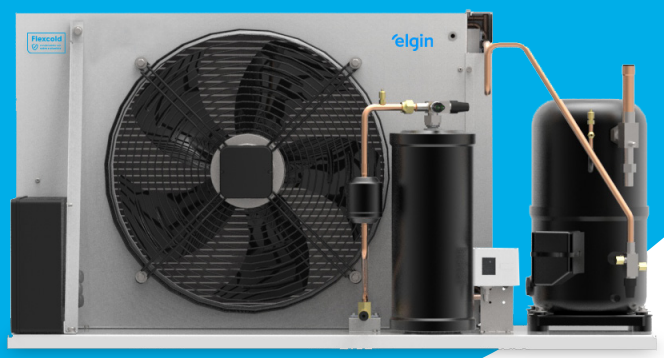
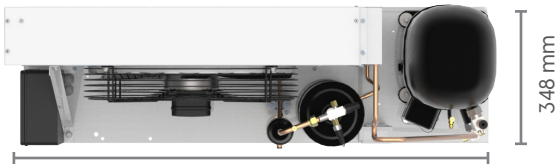
Index



Flexcold Slim
Condenser Unit
Unidad condensadora

With a compact design, it provides space-saving during installation and an easy access to the components for maintenance. It has an area at its base, which is available to install the oil separator or suction accumulator. The condenser is manufactured with aluminum fin and copper pipe with internal grooves, providing a better thermal exchange, higher efficiency and durability. Models with Elgin ECB compressors are prepared to with multi-fluid coolants.

El diseño compacto proporciona ahorro de espacio en el momento de la instalación y fácil acceso a los componentes para el mantenimiento. Tiene area disponible para la instalación de separador de aceite o acumulador de succión.El condensador está fabricado con aletas de aluminio y tubos de cobre con ranura interna, lo que proporciona un mejor intercambio de calor, mayor eficiencia y durabilidad.



969mm → 1189mm

Access the website

Capacity Capacidad	460 → 16.010 kcal/h
Application Aplicación	10°C → -30°C
Commercial reference Referencia comercial	1.1/2 → 5 HP
Compressor brand Marca de compresor	Elgin (ECM/ECB) Copeland (CR/CS)
Compressor type Tipo de compresor	Alternative Reciproco
Coolant Fluido refrigerante	R22 / R-404A / R-507 / R134a R-448A / R-449A
Structure Estructura	Without fairing and white painting Sin carenado y pintura blanca
Electrical feature Característica eléctrica	220V-1F-60Hz 220V-1F-50Hz 220V-3F-60/50Hz 220V-3F-60Hz 380V-3F-60/50Hz
Condenser	Aluminum fin and copper pipe with internal groove Aleta de aluminio y tubo de cobre con ranura interna

Version / Versión: 12/2023

Nomenclature

SL	M0	2	500	J	T	0	5	1	A	B
Product Producto	**Application** Aplicación	**Coolant** Refrigerante	**Model** Modelo	**Voltage** Voltaje	**Tank** Tanque	**Compressor** Compresor	**Liquid line** Línea de Líquido	**Suction and discharge line** Línea de Succión y de descarga	**Electric and optionals** Eléctrica y opciones	**Version** versión
Flexcold Slim	**M0: Medium temperature Temperatura** **MB: Medium/Low Temperature/** **Media/Baja Temperatur**	**2: R22** **4 : R-404A R-507 R-134a R-448A R-449A**	**150 200 250 255 275 300 350 355 375 400 500 505**	**E: 220V-1F 60Hz** **H: 220V-1F 50Hz** **T: 220V-3F (1)** **J: 380V-3F 60/50Hz**	**S: Without/ sin Liquid storage tank** **T: With/ con Liquid storage tank**	**0: Copeland Hermetic Alternative/ Recíproco** **C: Elgin Hermetic Alternative/ Recíproco**	**0: Pipe + Filter** **5: Tank + Filter + Sight**	**1: Basic**	**0: Basic electric + Pressure switch Cartridge** **A: Basic electric + Pressure switch Coupled** **D: Complete electric (Circuit breaker and Contactor)**	**B**

Notes

(1) For Condenser units with voltage 220V-3F, check the frequency in the electrical data.

*Unidades Condensadoras com compressor Elgin somente com fluído R22 e R-404A

*Condenser units fitted with Elgin ECM/ECB compressor are supplied with a Rotalock valve in the suction and discharge

Notes

(1) Para unidades condensadoras con voltaje 220V-3F, verifique la frecuencia en los datos eléctricos.

* Unidades de condensación con compresor Elgin solo con fluido R22 y R-404A

*Unidad de condensación equipada con compresor Elgin ECM/ECB acompaña válvula Rotalock para succión y descarga.

Environment temperature correction value due to the altitude

Valor de corrección de la Temperatura Ambiente en función de la altitud

Refer to the capacity table and add the values at the ambient temperature, according to the corresponding altitude found in the table below:
Consultar la tabla de capacidades y sumar los valores a temperatura ambiente, según la altitud que se encuentra en la siguiente tabla:

Installation altitude (Sea level) Altitud de instalación (nivel del mar)	**Add to the ambient temperature °C** Añadir a Temperatura Ambiente °C
1000 m	**0**
2000 m	**3**
3000 m	**5**
4000 m	**7**
5000 m	**10**

Capacity data / Datos de capacidad

Model	HP	Temperature Ambiente		Cold storage capacity / Capacidad Frigorífica [Kcal/h] Evaporation temperature / Temperatura de Evaporación [°C]					
				5°C	0°C	-5°C	-10°C	-15°C	-18°C
Copeland Alternative - Medium temperature - R22									
Copeland Recíproco - Media temperatura - R-22									
SLM02150**0	1 1/2	32°C	Q	4,160	3,520	2,880	2,270	1,720	1,450
			P	1.47	1.33	1.22	1.13	1.02	0.96
		35°C	Q	3,960	3,350	2,740	2,160	1,640	1,380
			P	1.47	1.35	1.24	1.14	1.03	0.98
		38°C	Q	3,760	3,180	2,600	2,050	1,560	1,310
			P	1.51	1.38	1.26	1.16	1.05	0.99
		43°C	Q	3,300	2,790	2,280	1,800	1,370	1,150
			P	1.60	1.45	1.32	1.20	1.08	1.02
		46°C	Q	-	2,400	1,960	1,550	1,180	990
			P	-	1.52	1.38	1.24	1.11	1.05
SLM02200**0	2	32°C	Q	6,220	5,220	4,240	3,320	2,530	2,190
			P	2.18	1.96	1.78	1.64	1.50	1.44
		35°C	Q	5,920	4,970	4,040	3,160	2,410	2,090
			P	2.18	2.00	1.82	1.66	1.51	1.45
		38°C	Q	5,620	4,720	3,840	3,000	2,290	1,990
			P	2.25	2.04	1.85	1.69	1.54	1.47
		43°C	Q	4,930	4,140	3,370	2,630	2,010	1,740
			P	2.38	2.14	1.93	1.74	1.58	1.51
		46°C	Q	-	3,560	2,900	2,260	1,730	1,490
			P	-	2.24	2.01	1.79	1.62	1.55
SLM02250**0	2 1/2	32°C	Q	8,180	6,800	5,460	4,220	3,140	2,630
			P	2.90	2.66	2.47	2.28	2.07	1.97
		35°C	Q	7,790	6,470	5,200	4,020	2,990	2,500
			P	2.99	2.74	2.51	2.29	2.08	1.98
		38°C	Q	7,400	6,150	4,940	3,820	2,840	2,370
			P	3.05	2.79	2.54	2.31	2.10	1.99
		43°C	Q	6,480	5,390	4,330	3,350	2,490	2,080
			P	3.15	2.88	2.61	2.35	2.12	2.01
		46°C	Q	-	-	3,720	2,880	2,140	1,790
			P	-	-	2.68	2.39	2.14	2.03
SLM02275**0	2 3/4	32°C	Q	9,100	7,560	6,070	4,700	3,490	2,930
			P	2.97	2.74	2.53	2.34	2.13	2.02
		35°C	Q	8,670	7,200	5,780	4,480	3,320	2,790
			P	3.07	2.81	2.58	2.36	2.14	2.03
		38°C	Q	8,240	6,840	5,490	4,260	3,150	2,650
			P	3.13	2.86	2.61	2.37	2.15	2.05
		43°C	Q	7,220	6,000	4,810	3,730	2,760	2,320
			P	3.23	2.95	2.68	2.41	2.18	2.07
		46°C	Q	-	5,160	4,130	3,200	2,370	1,990
			P	-	3.04	2.75	2.45	2.21	2.09
SLM02300**0	3	32°C	Q	9,950	8,270	6,640	5,140	3,820	3,200
			P	3.27	3.01	2.79	2.57	2.34	2.22
		35°C	Q	9,480	7,880	6,320	4,890	3,640	3,050
			P	3.38	3.09	2.83	2.59	2.35	2.24
		38°C	Q	9,000	7,480	6,000	4,640	3,460	2,900
			P	3.44	3.15	2.87	2.61	2.37	2.25
		43°C	Q	7,890	6,560	5,260	4,070	3,030	2,540
			P	3.55	3.25	2.95	2.65	2.39	2.27
		46°C	Q	-	5,640	4,520	3,500	2,600	2,180
			P	-	3.35	3.03	2.69	2.41	2.29

Q = Capacity (Kcal/h)
P = Consumed power (kW)
Capacities are based on the following conditions:
- Capacity at 60Hz, if 50Hz multiply it by 0.83
- Suction temperature: 18.3ºC / Subcooling: 3,2ºC
- To obtain the capacity in BTU/h multiply it by 3.9
- To obtain the capacity in BTU/h divide it by 860
- To obtain the temperature in °F: (Value °C × 1.8)+32 = Value °F

Q = Capacidad (Kcal / h)
P = Energía consumida (kW)
Las capacidades se basan en las siguientes condiciones:
- Capacidad a 60Hz,para 50Hz multiplicar por 0,83
- Temperatura de aspiración: 18,3°C / Subenfriamiento: 3,2°C
- Para obtener la capacidad en BTU / h multiplicar por 3.9
- Para obtener la capacidad en kW dividir por 860
- Para obtener la temperatura en °F: (Value °C × 1.8)+32 = Value °F

Capacity data / Datos de capacidad

Model	HP	Temperature Ambiente		Cold storage capacity / Capacidad Frigorífica [Kcal/h] Evaporation temperature / Temperatura de Evaporación [°C]					
				5°C	0°C	-5°C	-10°C	-15°C	-18°C
Copeland Alternative - Medium temperature - R22									
Copeland Recíproco - Media temperatura - R-22									
SLM02350**0	3 1/2	32°C	Q	10,267	8,764	7,023	5,804	4,173	3,358
			P	3.44	3.25	2.97	2.90	2.50	2.24
		35°C	Q	9,686	8,268	6,625	5,475	3,937	3,168
			P	3.52	3.31	3.00	2.92	2.51	2.27
		38°C	Q	9,105	7,772	6,228	5,147	3,701	2,978
			P	3.56	3.34	3.06	2.94	2.54	2.30
		43°C	Q	8,136	6,945	5,565	4,599	3,307	2,661
			P	3.77	3.51	3.14	2.99	2.57	2.32
		46°C	Q	-	-	4,900	4,050	2,910	2,340
			P	-	-	3.22	3.04	2.60	2.34
SLM02400**0	4	32°C	Q	13,830	11,430	9,150	7,040	5,230	4,370
			P	4.40	4.07	3.70	3.31	2.88	2.67
		35°C	Q	13,170	10,880	8,710	6,700	4,980	4,160
			P	4.57	4.19	3.76	3.33	2.90	2.69
		38°C	Q	12,510	10,330	8,270	6,360	4,730	3,950
			P	4.71	4.28	3.81	3.34	2.92	2.70
		46°C	Q	10,960	9,050	7,250	5,570	4,150	3,460
			P	4.87	4.37	3.85	3.36	2.93	2.72
		32°C	Q	-	7,770	6,230	4,780	3,570	2,970
			P	-	4.46	3.89	3.38	2.94	2.74
SLM02500**0	5	35°C	Q	16,010	13,280	10,660	8,240	6,140	5,140
			P	5.35	4.96	4.57	4.18	3.71	3.47
		35°C	Q	15,250	12,650	10,150	7,850	5,850	4,890
			P	5.57	5.12	4.67	4.22	3.73	3.49
		38°C	Q	14,490	12,020	9,640	7,460	5,560	4,640
			P	5.73	5.25	4.75	4.27	3.76	3.52
		43°C	Q	12,700	10,540	8,450	6,540	4,870	4,070
			P	5.96	5.40	4.84	4.32	3.81	3.57
		46°C	Q	-	-	7,260	5,620	4,180	3,500
			P	-	-	4.93	4.37	3.86	3.62

Q = Capacity (Kcal/h)
P = Consumed power (kW)
Capacities are based on the following conditions:
- Capacity at 60Hz, if 50Hz multiply it by 0.83
- Suction temperature: 18.3ºC / Subcooling: 3,2ºC
- To obtain the capacity in BTU/h multiply it by 3.9
- To obtain the capacity in BTU/h divide it by 860
- To obtain the temperature in °F: (Value °C × 1.8)+32 = Value °F

Q = Capacidad (Kcal / h)
P = Energía consumida (kW)
Las capacidades se basan en las siguientes condiciones:
- Capacidad a 60Hz,para 50Hz multiplicar por 0,83
- Temperatura de aspiración: 18,3°C / Subenfriamiento: 3,2°C
- Para obtener la capacidad en BTU / h multiplicar por 3.9
- Para obtener la capacidad en kW dividir por 860
- Para obtener la temperatura en °F: (Value °C × 1.8)+32 = Value °F

Capacity data / Datos de capacidad

Model	HP	Temperature Ambiente		Cold storage capacity / Capacidad Frigorífica [Kcal/h] Evaporation temperature / Temperatura de Evaporación [°C]				
				5°C	0°C	-5°C	-10°C	-15°C
Elgin Alternative - Medium temperature - R22								
Elgin Recíproco - Media temperatura - R22								
SLM02200**C	2	32°C	Q	5,544	4,569	3,874	3,059	2,251
			P	2.15	1.93	1.81	1.61	1.44
		35°C	Q	5,230	4,310	3,655	2,886	2,124
			P	2.22	1.98	1.85	1.62	1.45
		38°C	Q	4,916	4,051	3,436	2,713	1,997
			P	2.27	2.02	1.87	1.63	1.47
		43°C	Q	4,393	3,620	3,070	2,424	1,784
			P	2.36	2.08	1.92	1.66	1.48
		46°C	Q	-	3,190	2,700	2,140	1,570
			P	-	2.14	1.97	1.69	1.49
SLM02250**C	2 1/2	32°C	Q	7,140	5,954	4,868	4,119	3,056
			P	2.76	2.48	2.25	2.08	1.89
		35°C	Q	6,736	5,617	4,592	3,886	2,883
			P	2.80	2.52	2.30	2.11	1.91
		38°C	Q	6,332	5,280	4,316	3,653	2,710
			P	2.85	2.58	2.33	2.14	1.95
		43°C	Q	5,658	4,718	3,857	3,264	2,422
			P	3.02	2.72	2.44	2.20	2.00
		46°C	Q	-	4,160	3,400	2,880	2,130
			P	-	2.86	2.55	2.26	2.05
SLM02300**C	3	32°C	Q	8,617	7,374	5,941	4,909	3,556
			P	3.22	2.97	2.75	2.54	2.31
		35°C	Q	8,129	6,957	5,605	4,631	3,355
			P	3.33	3.05	2.80	2.56	2.32
		38°C	Q	7,641	6,540	5,269	4,353	3,154
			P	3.40	3.10	2.83	2.57	2.33
		43°C	Q	6,828	5,844	4,708	3,890	2,818
			P	3.51	3.20	2.91	2.62	2.37
		46°C	Q	-	5,150	4,150	3,430	2,480
			P	-	3.30	2.99	2.67	2.41
SLM02350**C	3 1/2	32°C	Q	10,089	8,487	6,992	5,769	4,241
			P	4.04	3.72	3.45	3.18	2.89
		35°C	Q	9,518	8,007	6,596	5,442	4,001
			P	4.18	3.82	3.50	3.20	2.91
		38°C	Q	8,947	7,527	6,200	5,115	3,761
			P	4.25	3.90	3.55	3.23	2.93
		43°C	Q	7,995	6,726	5,541	4,571	3,361
			P	4.39	4.02	3.65	3.28	2.96
		46°C	Q	-	-	4,880	4,030	2,960
			P	-	-	3.75	3.33	2.99
SLM02400**C	4	32°C	Q	13,414	11,046	9,149	7,232	5,284
			P	5.03	4.65	4.23	3.79	3.29
		35°C	Q	12,655	10,421	8,631	6,823	4,985
			P	5.23	4.79	4.30	3.81	3.32
		38°C	Q	11,896	9,796	8,113	6,414	4,686
			P	5.39	4.89	4.36	3.82	3.34
		43°C	Q	10,630	8,754	7,250	5,731	4,187
			P	5.57	5.00	4.40	3.84	3.35
		46°C	Q	-	7,710	6,390	5,050	3,690
			P	-	5.11	4.44	3.86	3.36
SLM02500**C	5	32°C	Q	14,119	12,828	10,755	8,585	6,256
			P	5.96	5.52	5.09	4.65	4.13
		35°C	Q	13,320	12,102	10,146	8,099	5,902
			P	6.2	5.7	5.2	4.7	4.15
		38°C	Q	12,521	11,376	9,537	7,613	5,548
			P	6.38	5.85	5.29	4.75	4.19
		43°C	Q	11,189	10,166	8,523	6,803	4,958
			P	6.64	6.01	5.39	4.81	4.24
		46°C		-	-	7,510	5,990	4,370
				-	-	5.49	4.87	4.29

Capacity data / Datos de capacidad

Model	HP	Temperature Ambiente		Cold storage capacity / Capacidad Frigorífica [Kcal/h] Evaporation temperature / Temperatura de Evaporación [°C]							
				5°C	0°C	-5°C	-10°C	-15°C	-20°C	-25°C	-30°C
Copeland Alternative - Medium and low temperature - R-404A / R-507											
Copeland Recíproco - Media y baja temperatura - R-404A / R-507											
SLMB4150**0	1 1/2	32°C	Q	5,083	4282	3,590	2,970	2,330	1,670	1,150	790
			P	1.7	1.56	1.43	1.31	1.17	1.03	0.87	0.71
		35°C	Q	4,814	4,049	3,390	2,800	2,200	1,580	1080	740
			P	1.74	1.59	1.45	1.33	1.17	1.02	0.86	0.7
		38°C	Q	4,544	3,815	3,190	2,630	2,060	1,480	1,020	700
			P	1.79	1.62	1.47	1.33	1.17	1.01	0.84	0.69
		43°C	Q	4048	3,409	2,860	2,320	1,760	1,200	770	580
			P	1.85	1.67	1.49	1.34	1.17	0.97	0.81	0.66
		46°C	Q	3,552	3,003	2,530	2,010	1,460	920	520	460
			P	1.91	1.72	1.51	1.35	1.17	0.93	0.78	0.63
SLMB4200**0	2	32°C	Q	5,638	4,793	4,090	3,370	2660	1,990	1,440	940
			P	2.03	1.87	1.72	1.54	1.38	1.19	1.02	0.81
		35°C	Q	5324	4,524	3,860	3,180	2,510	1,880	1,350	890
			P	2.08	1.9	1.74	1.56	1.39	1.19	1.01	0.8
		38°C	Q	5,008	4,253	3,630	2,990	2,360	1,770	1,270	840
			P	2.14	1.95	1.75	1.57	1.39	1.18	0.99	0.79
		43°C	Q	4,513	3,855	3,310	2,680	2,070	1,490	1,050	790
			P	2.23	2.01	1.78	1.58	1.38	1.17	0.96	0.76
		46°C	Q	-	3,457	2,990	2,370	1,780	1,210	830	740
			P	-	2.07	1.81	1.59	1.37	1.16	0.93	0.73
SLMB4255**0	2 1/2	32°C	Q	6,807	5,810	4,880	4,110	3,350	2,580	1,970	1,490
			P	2.34	2.16	1.97	1.81	1.61	1.42	1.23	1.03
		35°C	Q	6,449	5,500	4,610	3,890	3,160	2,440	1,860	1,410
			P	2.44	2.24	2.02	1.82	1.62	1.43	1.22	1.03
		38°C	Q	6,145	5,260	4,390	3,700	3,000	2,310	1,760	1,330
			P	2.49	2.26	2.03	1.84	1.63	1.42	1.22	1.03
		43°C	Q	5,638	4,860	4,160	3,440	2,750	2,090	1570	1,180
			P	2.49	2.25	2.04	1.85	1.64	1.42	1.2	1.02
		46°C	Q	5,130	4,459	3,930	3,180	2,500	1,870	1,380	1,030
			P	2.5	2.23	2.05	1.86	1.65	1.42	1.18	1.01
SLMB4355**0	3 1/2	32°C	Q	11,530	9,760	8,140	6,120	4,860	3,950	2,950	2,220
			P	3.26	2.97	2.62	2.41	2.18	1.96	1.71	1.43
		35°C	Q	10920	9,230	7,690	5,790	4,590	3,730	2,790	2,110
			P	3.41	3.09	2.7	2.41	2.19	1.96	1.7	1.4
		38°C	Q	10,470	8,860	7,370	5,530	4,380	3,550	2,650	2,000
			P	3.5	3.13	2.71	2.45	2.19	1.96	1.69	1.36
		43°C	Q	9,050	7,700	6,520	4,840	3,730	2,880	2,050	1,540
			P	3.7	3.28	2.76	2.46	2.18	1.92	1.6	1.24
		46°C	Q	7,630	6,540	5,670	4150	3,080	2,210	1,450	1,080
			P	3.9	3.43	2.81	2.47	2.17	1.88	1.51	1.12
SLMB4400**0	4	32°C	Q	12,969	11,366	9,600	7,760	6,070	4,640	3,550	2,680
			P	4.38	3.94	3.56	3.17	2.81	2.45	2.09	1.81
		35°C	Q	12,249	10,728	9,050	7,320	5,730	4,380	3,350	2,530
			P	4.5	4.03	3.61	3.23	2.85	2.46	2.09	1.78
		38°C	Q	11,538	10,101	8,510	6,880	5,390	4,120	3,150	2,380
			P	4.74	4.23	3.77	3.3	2.87	2.47	2.07	1.76
		43°C	Q	10,153	8,936	7,560	5,940	4,540	3,460	2,680	2,020
			P	4.94	4.37	3.85	3.35	2.88	2.43	1.99	1.64
		46°C	Q	-	-	6,610	5,000	3,690	2,800	2,210	1,660
			P	-	-	3.93	3.4	2.89	2.39	1.91	1.52
SLMB4505**0	5	32°C	Q	15,760	13,610	11,570	9,470	7,520	5,780	4,410	3,310
			P	10	4.72	4.3	4.02	3.62	3.14	2.67	2.2
		35°C	Q	14,880	12,830	10,930	8,950	7,100	5,470	4,160	3,130
			P	10	4.84	4.39	4.07	3.62	3.14	2.65	2.19
		38°C	Q	14,090	12,170	10,370	8,480	6,730	5,170	3,930	2,960
			P	10	5.11	4.61	4.11	3.63	3.12	2.62	2.15
		43°C	Q	11,540	9970	8,610	7,470	5,720	4,260	3,170	2,380
			P	6.02	5.2	4.65	4.15	3.63	3.03	2.53	2.06
		46°C	Q	8,990	7,770	6,850	5,814	4,710	3,350	2,410	1,800
			P	2.04	5.29	4.69	4.2	3.63	2.94	2.44	1.97

Q = Capacity (Kcal/h)
P = Consumed power (kW)
Capacities are based on the following conditions:
- Capacity at 60Hz, if 50Hz multiply it by 0.83
- Suction temperature: 18.3ºC / Subcooling: 3,2ºC
- To obtain the capacity in BTU/h multiply it by 3.9
- To obtain the capacity in BTU/h divide it by 860
- To obtain the temperature in °F: (Value °C × 1.8)+32 = Value °F

Q = Capacidad (Kcal / h)
P = Energía consumida (kW)
Las capacidades se basan en las siguientes condiciones:
- Capacidad a 60Hz,para 50Hz multiplicar por 0,83
- Temperatura de aspiración: 18,3°C / Subenfriamiento: 3,2°C
- Para obtener la capacidad en BTU / h multiplicar por 3.9
- Para obtener la capacidad en kW dividir por 860
- Para obtener la temperatura en °F: (Value °C × 1.8)+32 = Value °F

Capacity data / Datos de capacidad

Model	HP	Temperature Ambiente		Cold storage capacity / Capacidad Frigorífica [Kcal/h] Evaporation temperature / Temperatura de Evaporación [°C]						
				0°C	-5°C	-10°C	-15°C	-20°C	-25°C	-30°C
Elgin Alternative - Medium and low temperature - R-404A										
Elgin Recíproco - Media y baja temperatura - R-404A										
SLMB4150**C	1 1/2	32°C	Q	5,613	4,834	3,912	3,057	2,306	1,739	1,075
			P	2.56	2.30	2.09	1.85	1.62	1.40	1.17
		35°C	Q	5,276	4,544	3,677	2,884	2,175	1,640	1,014
			P	2.64	2.35	2.10	1.86	1.63	1.39	1.17
		38°C	Q	4,999	4,306	3,484	2,735	2,063	1,555	962
			P	2.67	2.36	2.12	1.87	1.62	1.39	1.17
		43°C	Q	4,538	3,908	3,162	2,486	1,875	1,414	874
			P	2.73	2.38	2.13	1.88	1.62	1.37	1.16
		46°C	Q	4,077	3,510	2,840	2,237	1,687	1,273	786
			P	2.79	2.40	2.14	1.89	1.62	1.35	1.15
SLMB4200**C	2	32°C	Q	6,060	5,102	4,324	3,552	2,825	1,947	1,405
			P	2.75	2.58	2.41	2.14	1.87	1.60	1.34
		35°C	Q	5,696	4,796	4,065	3,351	2,665	1,837	1,326
			P	2.81	2.61	2.43	2.17	1.88	1.59	1.33
		38°C	Q	5,397	4,544	3,852	3,178	2,527	1,742	1,257
			P	2.90	2.67	2.45	2.17	1.87	1.59	1.32
		43°C	Q	4,899	4,124	3,496	2,889	2,297	1,584	1,143
			P	2.98	2.71	2.48	2.17	1.86	1.53	1.26
		46°C	Q	-	3,704	3,140	2,600	2,067	1,426	1,029
			P	-	2.75	2.51	2.17	1.85	1.47	1.20
SLMB4300**C	3	32°C	Q	7,385	6,696	5,792	4,680	3,591	2,877	2,197
			P	4.34	3.91	3.49	3.09	2.69	2.30	1.99
		35°C	Q	6,942	6,294	5,444	4,415	3,388	2,715	2,073
			P	4.43	3.97	3.55	3.14	2.70	2.30	1.96
		38°C	Q	6,578	5,964	5,158	4,187	3,213	2,574	1,966
			P	4.65	4.14	3.64	3.16	2.71	2.28	1.94
		43°C	Q	5,970	5,413	4,682	3,806	2,921	2,340	1,787
			P	4.81	4.24	3.69	3.17	2.67	2.19	1.80
		46°C	Q	-	4,862	4,206	3,425	2,629	2,106	1,608
			P	-	4.34	3.74	3.18	2.63	2.10	1.66
SLMB4400**C	4	32°C	Q	10,488	9,562	8,446	7,284	6,060	4,802	3,580
			P	6.34	5.74	5.33	4.78	4.13	3.50	2.88
		35°C	Q	9,859	8,988	7,939	6,872	5,717	4,530	3,377
			P	6.50	5.86	5.39	4.78	4.13	3.47	2.87
		38°C	Q	9,341	8,516	7,522	6,517	5,421	4,296	3,202
			P	6.86	6.14	5.45	4.79	4.11	3.43	2.82
		43°C	Q	8,478	7,730	6,828	5,924	4,928	3,905	2,911
			P	6.99	6.21	5.51	4.79	3.99	3.32	2.70
		46°C	Q	-	6,944	6,134	5,331	4,435	3,514	2,620
			P	-	6.28	5.57	4.79	3.87	3.21	2.58

Capacity data / Datos de capacidad

Model	HP	Temperature Ambiente		Cold storage capacity / Capacidad Frigorífica [Kcal/h] Evaporation temperature / Temperatura de Evaporación [°C]					
				10°C	5°C	0°C	-5°C	-10°C	-15°C
Copeland Alternative - Medium and low temperature - R-134a									
Copeland Recíproco - Media y baja temperatura - R-134a									
SLMB4150**0	1 1/2	32°C	Q	3,578	3,014	2,473	1,974	1,534	1,170
			P	1.16	1.06	0.95	0.84	0.73	0.63
		35°C	Q	3,418	2,870	2,350	1,866	1,441	1,096
			P	1.19	1.08	0.96	0.84	0.73	0.63
		38°C	Q	3,265	2,732	2,229	1,761	1,349	1,023
			P	1.22	1.10	0.97	0.85	0.73	0.62
		43°C	Q	2,977	2,487	2,030	1,599	1,216	923
			P	1.28	1.14	0.99	0.85	0.73	0.62
		46°C	Q	2,690	2,240	1,830	1,440	1,080	820
			P	1.34	1.18	1.01	0.85	0.73	0.62
SLMB4200**0	2	32°C	Q	4,635	3,888	3,179	2,521	1,958	1,484
			P	1.39	1.27	1.16	1.04	0.91	0.79
		35°C	Q	4,441	3,714	3,025	2,387	1,840	1,389
			P	1.42	1.30	1.17	1.04	0.91	0.78
		38°C	Q	4,246	3,540	2,871	2,253	1,721	1,295
			P	1.46	1.32	1.19	1.05	0.91	0.78
		43°C	Q	3,935	3,275	2,648	2,070	1,566	1,176
			P	1.52	1.36	1.21	1.05	0.91	0.77
		46°C	Q	3,620	3,010	2,430	1,890	1,410	1,060
			P	1.58	1.40	1.23	1.05	0.91	0.76
SLMB4400**0	4	32°C	Q	10,275	8,245	6,628	5,355	4,246	3,239
			P	3.00	2.74	2.38	1.98	1.93	1.67
		35°C	Q	9,774	7,820	6,275	5,059	4,017	3,057
			P	2.99	2.79	2.50	2.15	1.94	1.66
		38°C	Q	9,274	7,395	5,924	4,765	3,790	2,876
			P	2.97	2.85	2.60	2.30	1.94	1.65
		43°C	Q	8,368	6,672	5,358	4,316	3,465	2,632
			P	2.94	2.96	2.78	2.54	1.95	1.64
		46°C	Q	7,460	5,950	4,790	3,870	3,140	2,390
				2.91	3.07	2.96	2.78	1.96	1.63

Q = Capacity (Kcal/h)
P = Consumed power (kW)
Capacities are based on the following conditions:
- Capacity at 60Hz, if 50Hz multiply it by 0.83
- Suction temperature: 18.3ºC / Subcooling: 3,2ºC
- To obtain the capacity in BTU/h multiply it by 3.9
- To obtain the capacity in BTU/h divide it by 860
- To obtain the temperature in °F: (Value °C × 1.8)+32 = Value °F

Q = Capacidad (Kcal / h)
P = Energía consumida (kW)
Las capacidades se basan en las siguientes condiciones:
- Capacidad a 60Hz,para 50Hz multiplicar por 0,83
- Temperatura de aspiración: 18,3°C / Subenfriamiento: 3,2°C
- Para obtener la capacidad en BTU / h multiplicar por 3.9
- Para obtener la capacidad en kW dividir por 860
- Para obtener la temperatura en °F: (Value °C × 1.8)+32 = Value °F

Capacity data / Datos de capacidad

Model	HP	Temperature Ambiente		Cold storage capacity / Capacidad Frigorífica [Kcal/h] Evaporation temperature / Temperatura de Evaporación [°C]				
				0°C	-5°C	-10°C	-15°C	-20°C
Copeland Alternative - Medium and low temperature - R-448A / R-449A								
Copeland Recíproco - Media y baja temperatura - R-448A / R-449A								
SLMB4150**0	1 1/2	32°C	Q	4,352	3,540	2,813	2,087	1,367
			P	1.46	1.32	1.19	1.03	0.86
		35°C	Q	4,150	3,352	2,647	1,964	1,293
			P	1.49	1.33	1.2	1.02	0.85
		38°C	Q	3,947	3,164	2,482	1,831	1,212
			P	1.53	1.35	1.19	1.01	0.85
		43°C	Q	3,590	2,856	2,188	1,560	995
			P	1.58	1.36	1.18	1	0.81
		46°C	Q	3,218	2,543	1,894	1,289	772
			P	1.64	1.37	1.17	0.99	0.77
SLMB4200**0	2	32°C	Q	4,872	4,033	3,192	2,383	1,629
			P	1.75	1.59	1.4	1.21	0.99
		35°C	Q	4,637	3,816	3,007	2,240	1,539
			P	1.78	1.6	1.41	1.21	0.99
		38°C	Q	4,400	3,600	2,822	2,098	1,450
			P	1.84	1.6	1.4	1.2	0.99
		43°C	Q	4,060	3,305	2,528	1,834	1,235
			P	1.9	1.62	1.39	1.18	0.97
		46°C	Q	3,705	3,006	2,233	1,572	1,015
			P	1.97	1.64	1.38	1.16	0.96
SLMB4255**0	2 1/2	32°C	Q	5,905	4,812	3,892	3,001	2,111
			P	2.02	1.82	1.64	1.42	1.18
		35°C	Q	5,637	4,558	3,678	2,820	1,997
			P	2.1	1.86	1.64	1.41	1.19
		38°C	Q	5,442	4,354	3,492	2,667	1,892
			P	2.13	1.86	1.64	1.41	1.19
		43°C	Q	5,118	4,154	3,244	2,437	1,733
			P	2.13	1.86	1.63	1.4	1.18
		46°C	Q	4,779	3,950	2,997	2,208	1,569
			P	2.13	1.86	1.62	1.4	1.17
SLMB4355**0	3 1/2	32°C	Q	9,920	8,026	5,796	4,353	3,233
			P	2.78	2.42	2.19	1.92	1.63
		35°C	Q	9,460	7,603	5,475	4,097	3,053
			P	2.9	2.48	2.17	1.91	1.64
		38°C	Q	9,166	7,309	5,220	3,894	2,907
			P	2.95	2.49	2.19	1.9	1.64
		43°C	Q	8,109	6,510	4,565	3,305	2,388
			P	3.11	2.52	2.17	1.87	1.59
		46°C	Q	7,009	5,700	3,911	2,720	1,855
			P	3.27	2.55	2.15	1.84	1.55
SLMB4400**0	4	32°C	Q	11,553	9,465	7,349	5,437	3,797
			P	3.69	3.29	2.88	2.47	2.04
		35°C	Q	10,996	8,947	6,921	5,114	3,586
			P	3.78	3.32	2.91	2.49	2.06
		38°C	Q	10,450	8,439	6,494	4,792	3,374
			P	3.98	3.46	2.95	2.48	2.07
		43°C	Q	9,411	7,548	5,602	4,023	2,869
			P	4.14	3.51	2.95	2.46	2.02
		46°C	Q	-	6,644	4,712	3,259	2,350
			P	-	3.57	2.95	2.44	1.97
SLMB4505**0	5	32°C	Q	13,833	11,408	8,969	6,736	4,730
			P	4.41	3.97	3.65	3.18	2.62
		35°C	Q	13,150	10,806	8,462	6,337	4,478
			P	4.55	4.04	3.66	3.16	2.62
		38°C	Q	12,591	10,284	8,004	5,983	4,234
			P	4.81	4.23	3.67	3.14	2.61
		43°C	Q	10,500	8,597	7,045	5,069	3,532
			P	4.93	4.24	3.66	3.1	2.52
		46°C	Q	8,328	6,886	5,479	4,160	2,811
				5.04	4.26	3.65	3.07	2.42

Q = Capacity (Kcal/h)
P = Consumed power (kW)
Capacities are based on the following conditions:
- Capacity at 60Hz, if 50Hz multiply it by 0.83
- Suction temperature: 18.3ºC / Subcooling: 3,2ºC
- To obtain the capacity in BTU/h multiply it by 3.9
- To obtain the capacity in BTU/h divide it by 860
- To obtain the temperature in °F: (Value °C × 1.8)+32 = Value °F

Q = Capacidad (Kcal / h)
P = Energía consumida (kW)
Las capacidades se basan en las siguientes condiciones:
- Capacidad a 60Hz,para 50Hz multiplicar por 0,83
- Temperatura de aspiración: 18,3°C / Subenfriamiento: 3,2°C
- Para obtener la capacidad en BTU / h multiplicar por 3.9
- Para obtener la capacidad en kW dividir por 860
- Para obtener la temperatura en °F: (Value °C × 1.8)+32 = Value °F

Electrical data / Datos eléctricos

Model	Compressor / Compresor											Fans			
	Model	Electrical feature Característica eléctrica			RLA	MCC	LRA	Load of oil/ aceite	Relay Relay	Capacitor Capacitor		Electrical feature elétrica Característica eléctrica			
										Starter Arranque	Run Marcha				
		V	F	Hz	A	A	A	l		µFD/VAC		V	F	Hz	A
Copeland Alternative - Medium temperature - R22															
Copeland Recíproco - Media temperatura - R22															
SLM02150E**0	CR20K6M-PFV	220	1	60	12.90	18	60	1.3	RVA3AH6D	145-174/250	35/440	220	1	60	0.8
SLM02150H**0	CR18K6-PFJ	220	1	50	9.10	12.8	44	1.3	RVA3AH6D	108-130/330	35/440	220	1	50	0.8
SLM02150J**0	CR18K6-TFD	380	3	60/50	3.00	4.2	23	1.3	-	-	-	220	1	60/50	0.8
SLM02150T**0	CR18K6-TF5	220	3	60/50	6.10	8.5	49	1.3	-	-	-	220	1	60/50	0.8
SLM02200E**0	CR24K6M-PFV	220	1	60	12.90	18	60	1.3	RVA3AH6D	108-130/330	35/440	220	1	60	1.5
SLM02200H**0	CR24K6M-PFZ	220	1	50	9.60	13.5	61	1.3	RVA3AH6D	145-174/250	35/440	220	1	50	1.5
SLM02200J**0	CR24K6M-TFD	380	3	60/50	3.90	5.5	28	1.3	-	-	-	220	1	60/50	1.5
SLM02200T**0	CR24K6M-TF5	220	3	60	9.30	13	55	1.3	-	-	-	220	1	60	1.5
SLM02250E**0	CR32K6M-PFV	220	1	60	22.00	30.8	88	1.3	RVA3AH6D	147-175/250	45/440	220	1	60	1.5
SLM02275E**0	CR34K6M-PFV	220	1	60	20.00	28	88	1.3	RVA2AE6D	147-175/330	45/440	220	1	60	1.5
SLM02275T**0	CR34K6M-TF5	220	3	60	10.70	15	77	1.3	-	-	-	220	1	60	1.5
SLM02275J**0	CR34K6M-TFD	380	3	60/50	5.70	8	41	1.3	-	-	-	220	1	60/50	1.5
SLM02300E**0	CR37K6M-PFV	220	1	60	18.90	26.5	86	1.3	RVA3AH6D	189-227/330	40/440	220	1	60	1.5
SLM02300T**0	CR37K6M-TF5	220	3	60	11.60	16.2	100	1.3	-	-	-	220	1	60	1.5
SLM02300J**0	CR37K6M-TFD	380	3	60/50	6.50	9.1	45	1.3	-	-	-	220	1	60/50	1.5
SLM02350E**0	CR42K6M-PFV	220	1	60	20.40	28.5	102	1.3	RVA6AM6D	189-227/330	40/440	220	1	60	1.5
SLM02350T**0	CR42K6M-TF5	220	3	60	13.70	19.2	100	1.3	-	-	-	220	1	60	1.5
SLM02350J**0	CR42K6-TFD	380	3	60/50	6.40	8.9	42	1.3	-	-	-	220	1	60/50	1.5
SLM02400E**0	CR53KQ-PFV	220	1	60	28.90	40.5	140	1.3	RVA4AH6L	189-227/330	60/440	220	1	60	2.0
SLM02400T**0	CR53KQM-TF5	220	3	60	20.00	28	135	1.3	-	-	-	220	1	60	2.0
SLM02400J**0	CR53KQM-TFD	380	3	60/50	9.90	13.8	61	1.3	-	-	-	220	1	60/50	2.0
SLM02500E**0	CR62KQM-PFV	220	1	60	35.00	49	155	2.0	RVA3AH6D	189-227/330	60/440	220	1	60	2.0
SLM02500T**0	CR62KQM-TF5	220	3	60	23.40	32.8	125	2.0	-	-	-	220	1	60	2.0
SLM02500J**0	CR62KQM-TFD	380	3	60/50	11.40	16	55	2.0	-	-	-	220	1	60/50	2.0
Copeland Alternative - Medium and low temperature - R-404A / R-507 / R-134a / R-448A / R-449A															
Copeland Recíproco - Media y baja temperatura - R-404A / R-507 / R-134a / R-448A / R-449A															
SLMB4150E*0	CS10K6ME-PFV	220	1	60	13.60	19.0	56	1.3	RVA4AH6D	189-227/330	35/440	220	1	60	1.5
SLMB4150H*0	CS10K6ME-PFJ	220	1	60	10.60	14.9	56	1.3	RVA4AH6D	189-227/330	35/440	220	1	60	1.5
SLMB4150T*0	CS10K6ME-TF5	220	3	50/60	9.30	13.0	50	1.3	-	-	-	220	1	50/60	1.5
SLMB4200E*0	CS12K6ME-PFV	220	1	60	11.10	15.6	61	1.3	RVA4AH6D	189-227-330	35/440	220	1	60	1.5
SLMB4200T*0	CS12K6ME-TF5	220	3	60	7.50	10.5	51	1.3	-	-	-	220	1	60	1.5
SLMB4255E*0	CS14K6ME-PFV	220	1	60	15.40	21.5	77	1.3	RVA4AH6D	189-227-330	35/440	220	1	60	1.5
SLMB4255J*0	CS14K6ME-TFD	380	3	60	4.90	6.8	32	1.3	-	-	-	220	1	60	1.5
SLMB4255T*0	CS14K6ME-TF5	220	3	60	9.60	13.5	55	1.3	-	-	-	220	1	60	1.5
SLMB4355E*0	CS20K6ME-PFV	220	1	60	17.10	24.0	99	1.3	RVA6AM6D	189-227/330	45/440	220	1	60	1.5
SLMB4355J*0	CS20K6ME-TFD	380	3	50/60	7.10	10.0	47	1.3	-	-	-	220	1	50/60	2.0
SLMB4355T*0	CS20K6ME-TF5	220	3	50/60	15.70	22.0	73	1.3	-	-	-	220	1	50/60	2.0
SLMB4400E*0	CS27K6E-PFV	220	1	60	23.9	33.5	121	1.3	RVA6AM6D	189-227/330	40/440	220	1	60	2
SLMB4400J*0	CS27KQME-TFD	380	3	50/60	9.90	13.8	60	1.3	-	-	-	220	1	50/60	2.0
SLMB4400T*0	CS27KQME-TF5	220	3	60	18.60	26.0	135	1.3	-	-	-	220	1	60	2.0
SLMB4505E*0	CS33K6E-PFV	220	1	60	30.7	43	125	1.3	RVA6AM6D	270-324/330	55/440	220	1	60	2
SLMB4505J*0	CS33KQME-TFD	380	3	50/60	11.40	16.0	50	1.3	-	-	-	220	1	50/60	2.0
SLMB4505T*0	CS33KQME-TF5	220	3	60	20.00	28.0	125	1.3	-	-	-	220	1	60	2.0

For items whose frequency is 60/50Hz, the data refers to 60Hz
RLA = Compressor rated current
LRA = Compressor blocker rotor current
MCC = Compressor maximum operational current
Oil load to the compressor in the case of maintenance
Mineral Oil ISO 32 = R-22

Para elementos cuya frecuencia es 60/50Hz, los datos son relativos a 60Hz
RLA = Corriente nominal del compresor
LRA = Corriente del rotor bloqueada del compresor
MCC = Corriente máxima de funcionamiento del compresor
Carga de aceite para el compresor en caso de mantenimiento
Aceite Mineral ISO 32 = R-22

Electrical data / Datos eléctricos

Model	Compressor / Compresor											Fans			
	Model	Electrical feature Característica eléctrica			RLA	MCC	LRA	Load of oil/ aceite	Relay Relay	Capacitor Capacitor		Electrical feature elétrica Electrical feature eléctrica			
										Starter Arranque	Run Marcha				
		V	F	Hz	A	A	A	l		µFD/VAC		V	F	Hz	A
Elgin Alternative - Medium temperature - R22															
Elgin Recíproco - Media temperatura - R22															
SLM02200J*C	ECM24000JR	380	3	50/60	3.71	5.2	26	1.5	-	-	-	220	1	50/60	1.5
SLM02200T*C	ECM24000TR	220	3	50/60	7.21	10.1	46	1.5	-	-	-	220	1	50/60	1.5
SLM02250J*C	ECM30000JR	380	3	50/60	4.5	6.3	29	1.5	-	-	-	220	1	50/60	1.5
SLM02250T*C	ECM30000TR	220	3	50/60	10.1	14.1	65	1.5	-	-	-	220	1	50/60	1.5
SLM02300J*C	ECM37000JR	380	3	50/60	4.9	6.8	40	1.5	-	-	-	220	1	50/60	1.5
SLM02300T*C	ECM37000TR	220	3	50/60	10.6	14.8	86	1.5	-	-	-	220	1	50/60	1.5
SLM02350J*C	ECM42000JR	380	3	50/60	5.5	7.7	42	1.5	-	-	-	220	1	50/60	1.5
SLM02350T*C	ECM42000TR	220	3	50/60	12.1	17	88	1.5	-	-	-	220	1	50/60	1.5
SLM02400J*C	ECM53000JR	380	3	50/60	8.4	11.7	56	2	-	-	-	220	1	50/60	2
SLM02400T*C	ECM53000TR	220	3	50/60	17.5	24.5	108	2	-	-	-	220	1	50/60	2
SLM02500J*C	ECM61000JR	380	3	50/60	8.9	12.5	59	2	-	-	-	220	1	50/60	2
SLM02500T*C	ECM61000TR	220	3	50/60	20.7	29	128	2	-	-	-	220	1	50/60	2
Elgin Alternative - Medium and low temperature - R-4O4A															
Elgin Recíproco - Media y baja temperatura - R-4O4A															
SLMB4150E*C	ECB2464ER	220	1	60	12	16.8	58	1.5	RVA3AH6D	130-156/250	30/440	220	1	60	1.5
SLMB4150J*C	ECB2464JR	380	3	50/60	4.1	5.8	28	1.5	-	-	-	220	1	50/60	1.5
SLMB4150T*C	ECB2464TR	220	3	50/60	8.4	11.8	46	1.5	-	-	-	220	1	50/60	1.5
SLMB4200E*C	ECB2480ER	220	1	60	17.1	23.9	98	1.5	RVA3AH6D	161-193/250	30/440	220	1	60	1.5
SLMB4200J*C	ECB2480JR	380	3	50/60	4.4	6.2	32	1.5	-	-	-	220	1	50/60	1.5
SLMB4200T*C	ECB2480TR	220	3	50/60	9.4	13.1	66	1.5	-	-	-	220	1	50/60	1.5
SLMB4300J*C	ECB2511JR	380	3	50/60	6.1	8.6	38	1.5	-	-	-	220	1	50/60	2
SLMB4300T*C	ECB2511TR	220	3	50/60	11.3	15.8	78	1.5	-	-	-	220	1	50/60	2
SLMB4400J*C	ECB2516JR	380	3	50/60	9.1	12.8	52	2	-	-	-	220	1	50/60	2
SLMB4400T*C	ECB2516TR	220	3	50/60	16.9	23.6	98	2	-	-	-	220	1	50/60	2
SLM02500J*C	ECM61000JR	380	3	50/60	8.9	12.5	59	2	-	-	-	220	1	50/60	2
SLM02500T*C	ECM61000TR	220	3	50/60	20.7	29	128	2	-	-	-	220	1	50/60	2

For items whose frequency is 60/50Hz, the data refers to 60Hz
RLA = Compressor rated current
LRA = Compressor blocker rotor current
MCC = Compressor maximum operational current
Oil load to the compressor in the case of maintenance
Mineral Oil ISO 32 = R-22
Polyolester Oil ISO 32 = R-404A/R-134a/R-507

Para elementos cuya frecuencia es 60/50Hz, los datos son relativos a 60Hz
RLA = Corriente nominal del compresor
LRA = Corriente del rotor bloqueada del compresor
MCC = Corriente máxima de funcionamiento del compresor
Carga de aceite para el compresor en caso de mantenimiento
Aceite Mineral ISO 32 = R-22
Aceite Poliol Éster ISO 32 = R-404A/R-134a/R-507

Physical data / Datos físicos

Model	Connections Conexiones			Liquid Tank Tanque de Líquido	Noise Level** Nivel de Ruído**	Fans	
	Liquid Líquido	**Suction** Succión	**Discharge** Descarga			**Diameter** Diámetro	**Quantity** Cantidad
	″	″		l	dB	″	
Alternative - Medium temperature - R-22							
Recíproco - Media temperatura - R-22							
SLM02150*0	3/8"	3/4"	3/8"	2.5	67	350	1
SLM02200*0	3/8"	1/2"	3/8"	4	68	450	1
SLM02200*C	3/8"	3/4"	3/8"	4	68	450	1
SLM02250*0	3/8"	3/4"	1/2"	4	69	450	1
SLM02250*C	3/8"	3/4"	1/2"	4	69	450	1
SLM02275*0	3/8"	3/4"	1/2"	4	69	450	1
SLM02300*0	3/8"	3/4"	1/2"	4	69	450	1
SLM02300*C	3/8"	3/4"	1/2"	4	69	450	1
SLM02350*0	3/8"	3/4"	1/2"	4	69	450	1
SLM02350*C	3/8"	3/4"	1/2"	4	69	450	1
SLM02400*0	1/2"	7/8"	1/2"	6	69	500	1
SLM02400*C	1/2"	3/4"	1/2"	6	69	500	1
SLM02500*0	1/2"	7/8"	1/2"	6	69	500	1
SLM02500*C	1/2"	3/4"	1/2"	6	69	500	1
Alternative - Medium and low temperature - R4O4A/R5O7/R134A/ R448A /R449A							
Recíproco - Media y baja temperatura - R4O4A/R5O7/R134A/ R448A /R449A							
SLMB4150*0	3/8"	3/4"	3/8"	4	67	450	1
(*)SLMB4150*C	3/8"	3/4"	3/8"	4	68	450	1
SLMB4200*0	3/8"	3/4"	3/8"	4	68	450	1
(*)SLMB4200*C	3/8"	3/4"	1/2"	4	68	450	1
SLMB4255*0	3/8"	3/4"	1/2"	4	68	450	1
(*)SLMB4300*C	3/8"	3/4"	1/2"	4	68	450	1
SLMB4355*0	3/8"	3/4"	1/2"	4	69	450	1
SLMB4400*0	1/2"	3/4"	1/2"	6	69	500	1
(*)SLMB4400*C	1/2"	3/4"	1/2"	6	69	500	1
SLMB4505*0	1/2"	7/8"	1/2"	6	69	500	1

Noise Level [dB] measured at 3 meters of distance.
The noise data above are typical for open field. The Condensing Units are cooled with horizontal air flow, the noise level is considered for air discharge. For reflexive conditions in the installation, the noise level can be significantly increased. Pay attention to the indoor applications, close to walls and background noise in the environment.

Codes starting with (*) are not applicable for the coolant R-448A / R-449A

Nivel de Ruido [dB] medido a 3 metros de distancia.
Los datos de ruido anteriores son típicos para campo abierto.Las unidades de condensación están refrigeradas por aire con un flujo horizontal, el nivel de ruido se considera en la descarga de aire.Para condiciones reflectantes en la instalación, el nivel de ruido puede aumentar significativamente. Atención en aplicaciones en entornos cerrados, cerca de paredes y ruido de fondo en el entorno.

Códigos que comienzan con (*) no aplicables para refrigerante R-448A / R-449A

Noise level correction value due to the distance
Valor de corrección del nivel de ruido en función de la distancia

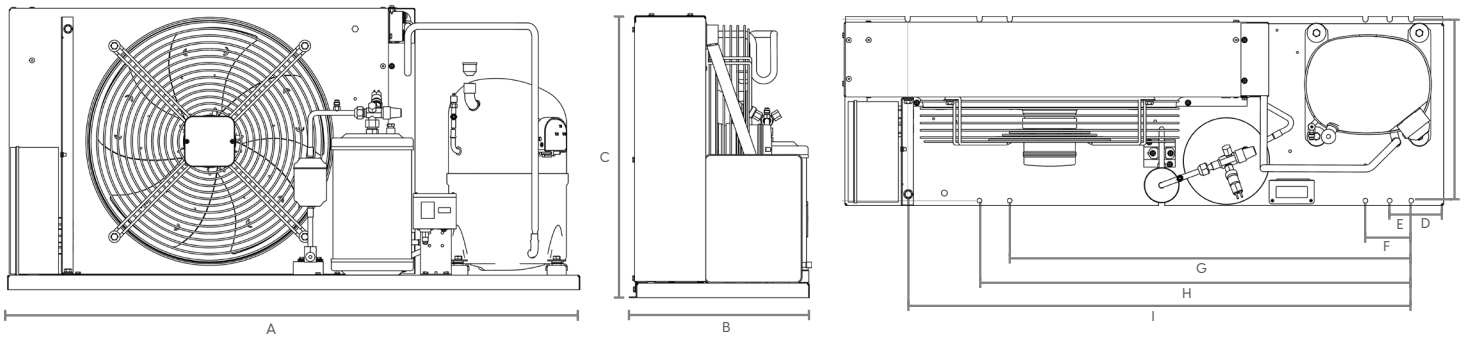
Distance / Distancia	**5 m**	**10 m**	**15 m**	**20 m**
Subtract / Sustraer	**3db (A)**	**6 db (A)**	**10 db (A)**	**12 db (A)**

Dimensional data and weight / Datos dimensionales y peso

Model	Dimension / Dimension														
	Without packaging Sin embalaje			With packaging Con embalaje			Mounting dimension Dimensión de fijación							Weight	
	Comp. Largo A	Width Ancho B	Height Altura C	Comp. Largo A	Width Ancho B	Height Altura C	D	E	F	G	H	I	J	Liquid Neto	Gross Bruto
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	kg
Alternative - Medium temperature - R-22															
Recíproco - Media temperatura - R-22															
SLM02150*0	969	348	495	1015	460	619	67	610	785	865	-	-	335	59	66
SLM02200*0	1039	348	546	1075	460	670	74	111	603	730	760	858	334	67	74
SLM02200*C	1039	348	546	1075	460	670	74	111	603	730	760	858	334	67	74
SLM02250*0	1109	348	546	1155	460	670	60	40	85	744	800	932	334	66	73
SLM02250*C	1109	348	546	1155	460	670	60	40	85	744	800	932	334	66	73
SLM02275*0	1109	348	546	1155	460	670	60	40	85	744	800	932	334	67	74
SLM02300*0	1109	348	546	1155	460	670	60	40	85	744	800	932	334	69	76
SLM02300*C	1109	348	546	1155	460	670	60	40	85	744	800	932	334	69	76
SLM02350*0	1109	348	546	1155	460	670	60	40	85	744	800	932	334	69	76
SLM02350*C	1109	348	546	1155	460	670	60	40	85	744	800	932	334	69	76
SLM02400*0	1189	348	622	1235	460	745	56	49	809	931	1016	-	331	89	97
SLM02400*C	1189	348	622	1235	460	745	56	49	809	931	1021	-	331	89	97
SLM02500*0	1189	348	622	1235	460	745	56	49	809	931	1016	-	331	92	100
SLM02500*C	1189	348	622	1235	460	745	56	49	809	931	1016	-	331	92	100
Alternative - Medium and low temperature - R4O4A/R5O7/R134A / R-448A / R-449A															
Recíproco - Media y baja temperatura - R4O4A/R5O7/R134A / R-448A / R-449A															
SLMB4150*0	1039	348	546	1075	460	670	74	111	603	730	760	851	334	67	74
(*)SLMB4150*C	1039	348	546	1075	460	670	74	111	603	730	760	851	334	67	74
SLMB4200*0	1039	348	546	1075	460	670	74	111	603	730	760	851	334	67	74
(*)SLMB4200*C	1109	348	546	1155	460	670	60	40	85	744	800	932	334	69	76
SLMB4255*0	1109	348	546	1155	460	670	60	40	85	744	800	932	334	67	75
(*)SLMB4300*C	1189	348	622	1235	460	745	56	49	809	931	1016	-	331	89	97
SLMB4355*0	1189	348	622	1235	460	745	56	49	809	931	1016	-	331	78	86
SLMB4400*0	1189	348	622	1235	460	745	56	49	809	931	1016	-	331	89	97
(*)SLMB4400*C	1189	348	622	1235	460	745	56	49	809	931	1016	-	331	89	97
SLMB4505*0	1189	348	622	1235	460	745	56	49	809	931	1016	-	331	80	88

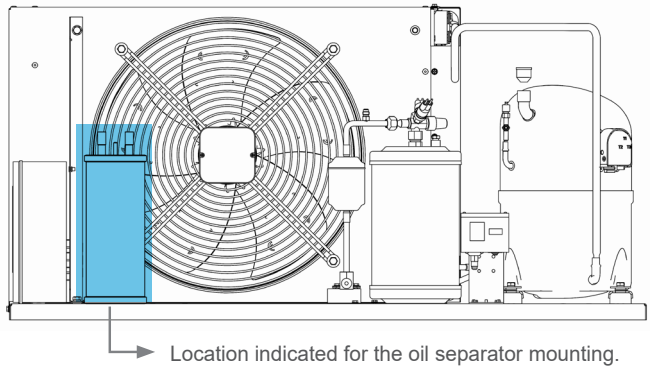
Codes starting with (*) are not applicable for the coolant R-448A / R-449A

Códigos que comienzan con (*) no aplicables para refrigerante R-448A / R-449A

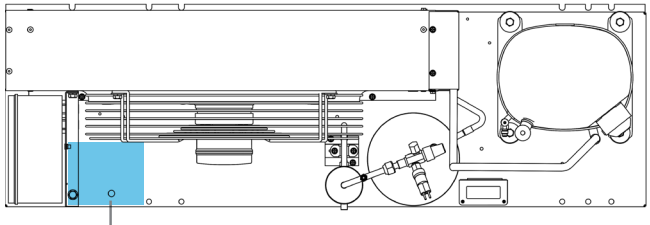


Oil separator mounting/ Fijación del separador de aceite

Oil separator is not supplied with the condenser unit. / Separador de aceite no incluido en la unidad condensadora.



Location indicated for the oil separator mounting.
Local indicado para la fijación del separador de aceite.



Location indicated for the oil separator mounting.
Local indicado para la fijación del separador de aceite.

UC
Condenser Unit
Unidad Condensadora

The Condenser Units of 1-1/2 to 6HP have been developed for cooling systems. In addition to the high cooling output, low energy consumption, easy installation and reduced maintenance need, they are resistant, compact, and robust. These models of units are supplied with dryer filter, liquid sight, high/low pressure switch and liquid storage tank.
Main applications: Displays and frozen counters, freezers, ice cream machines, chambers for frozen food, freezing tunnels.

Las Unidades Condensadoras Elgin de 1-1/2 a 6HP fueron desarrolladas para sistemas de refrigeración, y poseen elevado desempeño frigorífico, bajo consumo de energía, facilidad para instalar y baja necesidad de mantenimiento. Son resistentes, compactas y robustas. Estos modelos de unidades, acompañan filtro secador, visor de líquido, presostato de presión (alta/baja) y recibidor de líquido. Principales Aplicaciones: Expositores y balcones congelados, Congeladores, Máquinas de helados, Cámaras para conservación de congelados, Túneles de congelamientomejor intercambio de calor, mayor eficiencia y durabilidad.

Capacity Capacidad	874 → 23.084 kcal/h
Application Aplicación	10°C → -30°C
Commercial reference Referencia comercial	1.½ → 6 HP
Compressor brand Marca de compresor	Elgin (ECB/ECM) Copeland (CF/CR)
Compressor type Tipo de compresor	Alternative/Reciproco Scroll
Coolant Fluido refrigerante	R-22 / R-404A
Structure Estructura	Without fairing and black painting Sin carenado pintura negra
Electrical feature Característica eléctrica	220V-1F-60Hz 220V-1F-50Hz 220V-3F-60/50Hz 380V-3F-60/50Hz
Condenser	Aluminum fin and copper pipe Aleta de aluminio y tubo de cobre

Access the website

Version / Versión: 02/2024

Nomenclature

UC	M	2	300	E	T	I
Product Producto	**Application** Aplicación	**Coolant** Refrigerante	**Model** Modelo	**Voltage** Voltaje	**Tank** Tanque	**Compressor** Compresor
Condenser Unit	**M:** **High and medium Temperature/ Alta y Media Temperatura** **B:** **Low Temperature/ Baja Temperatura**	**2:** **R22** **4:** **R-404A**	**150** **200** **250** **275** **300** **350** **375** **400** **400** **500** **550** **600** **Example** **Ejemplo** **150 / 100 = 1.5HP**	**E:** **220V-1F 60Hz** **H:** **220V-1F 50Hz** **T:** **220V-3F 60/50Hz** **J:** **380V-3F 60/50Hz**	**T:** **With/con Liquid storage tank** **S:** **Without/sin Liquid storage tank**	**I:** **Copeland Scroll India** **0:** **Copeland Scroll USA** **C:** **Elgin Hermetic Alternative/ Recíproco**

Environment temperature correction value due to the altitude
Valor de corrección de la Temperatura Ambiente en función de la altitud

Refer to the capacity table and add the values at the ambient temperature, according to the corresponding altitude found in the table below:
Consultar la tabla de capacidades y sumar los valores a temperatura ambiente, según la altitud que se encuentra en la siguiente tabla:

Installation altitude (Sea level) Altitud de instalación (nivel del mar)	**Add to the ambient temperature °C** Añadir a Temperatura Ambiente °C
1000 m	**0**
2000 m	**3**
3000 m	**5**
4000 m	**7**
5000 m	**10**

Capacity data / Datos de capacidad

Model	HP	Temperature Ambiente		Cold storage capacity / Capacidad Frigorífica [Kcal/h] Evaporation temperature / Temperatura de Evaporación [°C]					
				10°C	5°C	0°C	-5°C	-10°C	-15°C
Elgin Alternative - High and medium temperature - R-22									
Elgin Recíproco - Alta y media temperatura - R-22									
UCM 2200**C	2	32°C	Q	6,337	5,544	4,569	3,874	3,059	2,251
			P	2.9	2.6	2.4	2.2	2.0	1.8
		35°C	Q	5,978	5,230	4,310	3,655	2,886	2,124
			P	3.1	2.8	2.5	2.3	2.1	1.9
		38°C	Q	5,619	4,916	4,051	3,435	2,712	1,996
			P	3.3	3.0	2.7	2.4	2.2	2.0
		43°C	Q	5,022	4,393	3,620	3,070	2,424	1,784
			P	3.6	3.3	3.0	2.6	2.4	2.2
UCM 2250**C	2-1/2	32°C	Q	8,796	7,140	5,954	4,868	4,119	3,056
			P	3.4	3.1	2.8	2.6	2.4	2.1
		35°C	Q	8,298	6,736	5,617	4,592	3,886	2,883
			P	3.7	3.3	3.0	2.8	2.5	2.3
		38°C	Q	7,800	6,331	5,279	4,316	3,652	2,710
			P	3.9	3.5	3.2	3.0	2.7	2.4
		43°C	Q	6,970	5,658	4,718	3,857	3,264	2,422
			P	4.3	3.9	3.5	3.3	3.0	2.6
UCM 2300**C	3	32°C	Q	9,940	8,617	7,374	5,941	4,909	3,556
			P	4.1	3.8	3.4	3.1	2.8	2.5
		35°C	Q	9,377	8,129	6,957	5,605	4,631	3,355
			P	4.4	4.0	3.6	3.3	3.0	2.7
		38°C	Q	8,814	7,641	6,539	5,268	4,353	3,153
			P	4.7	4.2	3.8	3.5	3.2	2.9
		43°C	Q	7,877	6,828	5,844	4,708	3,890	2,818
			P	5.2	4.6	4.2	3.9	3.5	3.2
UCM 2350**C	3-1/2	32°C	Q	12,531	10,089	8,487	6,992	5,769	4,241
			P	5.0	4.5	4.1	3.7	3.4	3.0
		35°C	Q	11,822	9,518	8,007	6,596	5,442	4,001
			P	5.3	4.8	4.4	4.0	3.6	3.2
		38°C	Q	11,112	8,946	7,526	6,200	5,115	3,760
			P	5.6	5.1	4.7	4.2	3.8	3.4
		43°C	Q	9,930	7,995	6,726	5,541	4,571	3,361
			P	6.2	5.6	5.2	4.6	4.2	3.7
UCM 2375**C	3-3/4	32°C	Q	14,014	11,865	9,669	8,166	6,460	4,769
			P	5.5	5.0	4.5	4.1	3.8	3.4
		35°C	Q	13,221	11,193	9,122	7,704	6,094	4,499
			P	5.9	5.3	4.8	4.4	4.0	3.6
		38°C	Q	12,427	10,521	8,574	7,241	5,728	4,229
			P	6.3	5.6	5.1	4.7	4.2	3.8
		43°C	Q	11,106	9,402	7,662	6,471	5,119	3,779
			P	6.9	6.2	5.6	5.2	4.6	4.2
UCM 2400**C	4	32°C	Q	15,331	13,414	11,046	9,149	7,232	5,284
			P	7.4	6.8	6.1	5.6	5.1	4.6
		35°C	Q	14,463	12,655	10,421	8,631	6,823	4,985
			P	7.9	7.2	6.5	5.9	5.4	4.9
		38°C	Q	13,595	11,895	9,795	8,113	6,413	4,685
			P	8.4	7.6	6.9	6.3	5.7	5.2
		43°C	Q	12,149	10,630	8,754	7,250	5,731	4,187
			P	9.2	8.4	7.6	6.9	6.3	5.7
UCM 2500**C	5	32°C	Q	17,501	14,119	12,828	10,755	8,585	6,256
			P	7.4	6.8	6.1	5.6	5.1	4.6
		35°C	Q	16,510	13,320	12,102	10,146	8,099	5,902
			P	7.9	7.2	6.5	5.9	5.4	4.9
		38°C	Q	15,519	12,520	11,375	9,537	7,613	5,547
			P	8.4	7.6	6.9	6.3	5.7	5.2
		43°C	Q	13,868	11,189	10,166	8,523	6,803	4,958
			P	9.2	8.4	7.6	6.9	6.3	5.7
UCM 2550**C	5-1/2	32°C	Q	18,821	15,264	12,973	11,509	8,916	6,509
			P	8.5	7.8	7.1	6.4	5.8	5.2
		35°C	Q	17,756	14,400	12,239	10,858	8,411	6,141
			P	9.1	8.3	7.5	6.8	6.2	5.6
		38°C	Q	16,690	13,536	11,504	10,206	7,906	5,772
			P	9.6	8.8	8.0	7.2	6.6	5.9
		43°C	Q	14,915	12,096	10,281	9,121	7,065	5,158
			P	10.6	9.7	8.8	7.9	7.3	6.5
UCM 2600**C	6	32°C	Q	21,985	19,431	15,643	12,217	10,470	7,509
			P	9.4	8.5	7.7	7.0	6.4	5.8
		35°C	Q	20,741	18,164	14,758	11,525	9,877	7,084
			P	10.0	9.1	8.2	7.5	6.8	6.1
		38°C	Q	19,496	17,074	13,872	10,833	9,284	6,658
			P	10.6	9.6	8.7	8.0	7.2	6.5
		43°C	Q	17,422	15,398	12,397	9,681	8,297	5,951
			P	11.7	10.6	9.6	8.8	7.9	7.2

Q = Capacity (Kcal/h)
P = Consumed power (kW)
Capacities are based on the following conditions:
- Capacity at 60Hz, if 50Hz multiply it by 0.83
- Suction temperature: 18.3ºC / Subcooling: 3,2ºC
- To obtain the capacity in BTU/h multiply it by 3.9
- To obtain the capacity in BTU/h divide it by 860
- To obtain the temperature in °F: (Value °C × 1.8)+32 = Value °F

Q = Capacidad (Kcal / h)
P = Energía consumida (kW)
Las capacidades se basan en las siguientes condiciones:
- Capacidad a 60Hz,para 50Hz multiplicar por 0.83
- Temperatura de aspiración: 18,3 ° C / Subenfriamiento: 3,2 ° C
- Para obtener la capacidad en BTU / h multiplicar por 3.9
- Para obtener la capacidad en kW dividir por 860
- Para obtener la temperatura en °F: (Value °C × 1.8)+32 = Value °F

Capacity data / Datos de capacidad

Model	HP	Temperature Ambiente		Cold storage capacity / Capacidad Frigorífica [Kcal/h] Evaporation temperature / Temperatura de Evaporación [°C]					
				10°C	5°C	0°C	-5°C	-10°C	-15°C
Copeland Alternative - High and medium temperature - R-22									
Copeland Recíproco - Alta y media temperatura - R-22									
UCM 2150**I/0	1 1/2	32°C	Q	5,104	4,394	3,712	2,968	2,403	1,702
			P	1.6	1.5	1.3	1.2	1.1	1.0
		35°C	Q	4,815	4,145	3,502	2,800	2,267	1,606
			P	1.7	1.6	1.4	1.3	1.2	1.1
		38°C	Q	4,526	3,896	3,291	2,632	2,130	1,509
			P	1.8	1.7	1.5	1.4	1.3	1.2
		43°C	Q	4,045	3,482	2,942	2,352	1,904	1,349
			P	2.0	1.9	1.7	1.5	1.4	1.3
UCM 2200**I	2	32°C	Q	6,493	5,565	4,717	3,896	3,127	2,218
			P	2.5	2.3	2.0	1.9	1.7	1.5
		35°C	Q	6,125	5,250	4,450	3,675	2,950	2,092
			P	2.6	2.4	2.2	2.0	1.8	1.6
		38°C	Q	5,757	4,935	4,183	3,454	2,773	1,966
			P	2.8	2.5	2.3	2.1	1.9	1.7
		43°C	Q	5,145	4,410	3,738	3,087	2,478	1,757
			P	3.1	2.8	2.5	2.3	2.1	1.9
UCM 2250**I	2-1/2	32°C	Q	8,798	6,917	5,857	4,876	3,975	2,862
			P	2.9	2.6	2.4	2.2	2.0	1.8
		35°C	Q	8,300	6,525	5,525	4,600	3,750	2,700
			P	3.1	2.8	2.5	2.3	2.1	1.9
		38°C	Q	7,802	6,133	5,193	4,324	3,525	2,538
			P	3.3	3.0	2.7	2.4	2.2	2.0
		43°C	Q	6,972	5,481	4,641	3,864	3,150	2,268
			P	3.6	3.3	3.0	2.6	2.4	2.2
UCM 2275**I	2-3/4	32°C	Q	9,629	8,105	6,858	5,561	4,643	3,400
			P	3.0	2.8	2.5	2.3	2.1	1.9
		35°C	Q	9,084	7,647	6,470	5,246	4,381	3,208
			P	3.2	2.9	2.7	2.4	2.2	2.0
		38°C	Q	8,538	7,188	6,081	4,931	4,118	3,015
			P	3.4	3.1	2.9	2.5	2.3	2.1
		43°C	Q	7,631	6,423	5,435	4,407	3,680	2,694
			P	3.7	3.4	3.2	2.8	2.5	2.3
UCM 2300**I	3	32°C	Q	10,462	9,070	7,762	6,254	5,168	3,744
			P	3.2	2.9	2.6	2.4	2.2	1.9
		35°C	Q	9,870	8,557	7,323	5,900	4,875	3,532
			P	3.4	3.1	2.8	2.5	2.3	2.1
		38°C	Q	9,277	8,043	6,883	5,546	4,582	3,320
			P	3.6	3.3	3.0	2.7	2.4	2.2
		43°C	Q	8,291	7,188	6,151	4,956	4,095	2,967
			P	4.0	3.6	3.3	3.0	2.6	2.4
UCM 2350**I/0	3-1/2	32°C	Q	13,105	10,267	8,764	7,023	5,804	4,173
			P	3.6	3.3	3.0	2.7	2.4	2.2
		35°C	Q	12,363	9,686	8,268	6,625	5,475	3,937
			P	3.8	3.5	3.1	2.9	2.6	2.3
		38°C	Q	11,621	9,104	7,771	6,227	5,146	3,700
			P	4.0	3.7	3.3	3.1	2.8	2.4
		43°C	Q	10,385	8,136	6,945	5,565	4,599	3,307
			P	4.4	4.1	3.6	3.4	3.1	2.6
UCM 2400**I/0	4	32°C	Q	15,164	13,189	11,241	8,957	7,314	5,270
			P	5.5	5.0	4.5	4.1	3.8	3.4
		35°C	Q	14,306	12,442	10,605	8,450	6,900	4,972
			P	5.9	5.3	4.8	4.4	4.0	3.6
		38°C	Q	13,447	11,695	9,968	7,943	6,486	4,673
			P	6.3	5.6	5.1	4.7	4.2	3.8
		43°C	Q	12,017	10,451	8,908	7,098	5,796	4,176
			P	6.9	6.2	5.6	5.2	4.6	4.2
UCM 2500**I	5	32°C	Q	18,073	14,522	12,535	10,627	8,772	6,320
			P	5.8	5.3	4.8	4.3	3.9	3.6
		35°C	Q	17,050	13,700	11,825	10,025	8,275	5,962
			P	6.1	5.6	5.1	4.6	4.2	3.8
		38°C	Q	16,027	12,878	11,115	9,423	7,778	5,604
			P	6.5	5.9	5.4	4.9	4.5	4.0
		43°C	Q	14,322	11,508	9,933	8,421	6,951	5,008
			P	7.2	6.5	5.9	5.4	5.0	4.4

Q = Capacity (Kcal/h)
P = Consumed power (kW)
Capacities are based on the following conditions:
- Capacity at 60Hz, if 50Hz multiply it by 0.83
- Suction temperature: 18.3ºC / Subcooling: 3,2ºC
- To obtain the capacity in BTU/h multiply it by 3.9
- To obtain the capacity in BTU/h divide it by 860
- To obtain the temperature in °F: (Value °C × 1.8)+32 = Value °F

Q = Capacidad (Kcal / h)
P = Energía consumida (kW)
Las capacidades se basan en las siguientes condiciones:
- Capacidad a 60Hz,para 50Hz multiplicar por 0.83
- Temperatura de aspiración: 18,3 ° C / Subenfriamiento: 3,2 ° C
- Para obtener la capacidad en BTU / h multiplicar por 3.9
- Para obtener la capacidad en kW dividir por 860
- Para obtener la temperatura en °F: (Value °C × 1.8)+32 = Value °F

Capacity data / Datos de capacidad

Model	HP	Temperature Ambiente		Cold storage capacity / Capacidad Frigorífica [Kcal/h] Evaporation temperature / Temperatura de Evaporación [°C]					
				10°C	5°C	0°C	-5°C	-10°C	-15°C
Elgin Alternative - High and medium temperature - R-404A									
Elgin Recíproco - Alta y media temperatura - R-404A									
UCM 4150 **C	1-1/2	32°C	Q	5,359	4,614	3,898	3,116	2,523	1,787
			P	1.8	1.6	1.5	1.3	1.2	1.1
		35°C	Q	5,056	4,352	3,677	2,940	2,380	1,686
			P	1.9	1.7	1.6	1.4	1.3	1.2
		38°C	Q	4,752	4,090	3,456	2,763	2,237	1,584
			P	2.0	1.8	1.7	1.5	1.4	1.3
		43°C	Q	4,247	3,656	3,089	2,470	1,999	1,416
			P	2.2	2.0	1.9	1.7	1.5	1.4
UCM 4200 **C	2	32°C	Q	6,654	5,821	4,797	4,068	3,212	2,364
			P	3.0	2.8	2.5	2.3	2.1	1.9
		35°C	Q	6,277	5,492	4,526	3,838	3,030	2,230
			P	3.2	2.9	2.7	2.4	2.2	2.0
		38°C	Q	5,900	5,162	4,254	3,607	2,848	2,096
			P	3.4	3.1	2.9	2.5	2.3	2.1
		43°C	Q	5,273	4,613	3,801	3,224	2,545	1,873
			P	3.7	3.4	3.2	2.8	2.5	2.3
UCM 4250 **C	2-1/2	32°C	Q	9,236	7,497	6,252	5,111	4,325	3,209
			P	3.4	3.1	2.8	2.6	2.4	2.1
		35°C	Q	8,713	7,073	5,898	4,822	4,080	3,027
			P	3.7	3.3	3.0	2.8	2.5	2.3
		38°C	Q	8,190	6,648	5,544	4,532	3,835	2,845
			P	3.9	3.5	3.2	3.0	2.7	2.4
		43°C	Q	7,319	5,941	4,954	4,050	3,427	2,543
			P	4.3	3.9	3.5	3.3	3.0	2.6
UCM 4300**C	3	32°C	Q	10,437	9,048	7,743	6,238	5,154	3,734
			P	4.2	3.9	3.6	3.2	2.9	2.6
		35°C	Q	9,846	8,535	7,305	5,885	4,863	3,523
			P	4.5	4.1	3.8	3.4	3.1	2.8
		38°C	Q	9,255	8,022	6,866	5,531	4,571	3,311
			P	4.8	4.3	4.0	3.6	3.3	3.0
		43°C	Q	8,271	7,169	6,136	4,943	4,085	2,959
			P	5.3	4.7	4.4	4.0	3.6	3.3
UCM 4350**C	3-1/2	32°C	Q	13,158	10,593	8,911	7,342	6,057	4,453
			P	5.0	4.5	4.1	3.7	3.4	3.0
		35°C	Q	12,413	9,994	8,407	6,926	5,714	4,201
			P	5.3	4.8	4.4	4.0	3.6	3.2
		38°C	Q	11,668	9,394	7,902	6,510	5,371	3,948
			P	5.6	5.1	4.7	4.2	3.8	3.4
		43°C	Q	10,427	8,395	7,062	5,818	4,800	3,529
			P	6.2	5.6	5.2	4.6	4.2	3.7
UCM 4375**C	3-3/4	32°C	Q	14715	12,458	10,152	8,574	6,783	5,007
			P	5.8	5.3	4.8	4.3	3.9	3.6
		35°C	Q	13,882	11,753	9,578	8,089	6,399	4,724
			P	6.1	5.6	5.1	4.6	4.2	3.8
		38°C	Q	13,049	11,047	9,003	7,603	6,015	4,440
			P	6.5	5.9	5.4	4.9	4.5	4.0
		43°C	Q	11,661	9,872	8,045	6,795	5,375	3,968
			P	7.2	6.5	5.9	5.4	5.0	4.4
UCM 4400**C	4	32°C	Q	16,098	14,085	11,598	9,606	7,594	5,548
			P	7.7	7.0	6.4	5.8	5.3	4.7
		35°C	Q	15,186	13,288	10,942	9,063	7,164	5,234
			P	8.2	7.5	6.8	6.2	5.6	5.0
		38°C	Q	14,274	12,490	10,285	8,519	6,734	4,919
			P	8.7	8.0	7.2	6.6	5.9	5.3
		43°C	Q	12,756	11,162	9,192	7,613	6,018	4,396
			P	9.6	8.8	7.9	7.3	6.5	5.8
UCM 4500**C	5	32°C	Q	18,376	14,825	13,469	11,293	9,014	6,569
			P	7.7	7.0	6.4	5.8	5.3	4.7
		35°C	Q	17,336	13,986	12,707	10,653	8,504	6,197
			P	8.2	7.5	6.8	6.2	5.6	5.0
		38°C	Q	16,295	13,146	11,944	10,013	7,993	5,825
			P	8.7	8.0	7.2	6.6	5.9	5.3
		43°C	Q	14,561	11,748	10,674	8,949	7,143	5,206
			P	9.6	8.8	7.9	7.3	6.5	5.8
UCM 4550**C	5-1/2	32°C	Q	19,762	16,027	13,622	12,084	9,362	6,834
			P	8.9	8.1	7.4	6.7	6.1	5.5
		35°C	Q	18,644	15,120	12,851	11,401	8,832	6,448
			P	9.5	8.7	7.9	7.2	6.5	5.9
		38°C	Q	17,525	14,212	12,079	10,716	8,302	6,061
			P	10.1	9.2	8.4	7.6	6.9	6.3
		43°C	Q	15,661	12,701	10,795	9,577	7,418	5,416
			P	11.1	10.1	9.2	8.4	7.6	6.9
UCM 4600**C	6	32°C	Q	23,084	20,403	16,425	12,828	10,994	7,884
			P	9.8	8.9	8.1	7.3	6.7	6.0
		35°C	Q	21778	19,072	15,496	12,101	10,371	7,438
			P	10.4	9.5	8.6	7.8	7.1	6.4
		38°C	Q	20,471	17,927	14,566	11,374	9,748	6,991
			P	11.0	10.1	9.1	8.3	7.5	6.8
		43°C	Q	18,293	16,168	13,017	10,165	8,712	6,249
			P	12.1	11.1	10.0	9.1	8.3	7.5

Capacity data / Datos de capacidad

Model	HP	Temperature Ambiente		Cold storage capacity / Capacidad Frigorífica [Kcal/h] Evaporation temperature / Temperatura de Evaporación [°C]						
				0°C	-5°C	-10°C	-15°C	-20°C	-25°C	-30°C
Elgin Alternative - Low and medium temperature - R-404A										
Elgin Recíproco - Baja y media Temperatura - R-404A										
UCB 4150**C	1-1/2	32°C	Q	5,613	4,834	3,912	3,057	2,306	1,739	1,075
			P	2.0	1.8	1.6	1.5	1.3	1.2	1.1
		35°C	Q	5,276	4,544	3,677	2,884	2,175	1,640	1,014
			P	2.1	1.9	1.7	1.6	1.4	1.3	1.2
		38°C	Q	4,959	4,271	3,456	2,710	2,044	1,541	953
			P	2.2	2.0	1.8	1.7	1.5	1.4	1.3
		43°C	Q	4,538	3,908	3,162	2,486	1,875	1,414	874
			P	2.4	2.2	2.0	1.9	1.7	1.5	1.4
UCB 4200**C	2	32°C	Q	6,060	5,102	4,324	3,552	2,825	1,947	1,405
			P	3.0	2.8	2.5	2.3	2.1	1.9	1.7
		35°C	Q	5,696	4,796	4,065	3,351	2,665	1,837	1,326
			P	3.2	2.9	2.7	2.4	2.2	2.0	1.8
		38°C	Q	5,354	4,508	3,821	3,149	2,505	1,726	1,246
			P	3.4	3.1	2.9	2.5	2.3	2.1	1.9
		43°C	Q	4,899	4,124	3,496	2,889	2,297	1,584	1,143
			P	3.7	3.4	3.2	2.8	2.5	2.3	2.1
UCB 4300**C	3	32°C	Q	7,385	6,696	5,792	4,680	3,591	2,877	2,197
			P	4.4	4.0	3.6	3.3	3.0	2.7	2.5
		35°C	Q	6,942	6,294	5,444	4,415	3,388	2,715	2,073
			P	4.7	4.2	3.9	3.5	3.2	2.9	2.6
		38°C	Q	6,525	5,916	5,117	4,150	3,184	2,552	1,948
			P	5.0	4.5	4.1	3.7	3.4	3.1	2.8
		43°C	Q	5,970	5,413	4,682	3,806	2,921	2,340	1,787
			P	5.5	5.0	4.5	4.1	3.7	3.4	3.1
UCB 4400**C	4	32°C	Q	10,488	9,562	8,446	7,284	6,060	4,802	3,580
			P	5.9	5.4	4.9	4.4	4.0	3.7	3.3
		35°C	Q	9,859	8,988	7,939	6,872	5,717	4,530	3,377
			P	6.3	5.7	5.2	4.7	4.3	3.9	3.5
		38°C	Q	9,267	8,448	7,462	6,459	5,373	4,258	3,174
			P	6.0	5.5	5.0	4.6	4.1	3.7	3.71
		43°C	Q	8,478	7,730	6,828	5,924	4,928	3,905	2,911
			P	6.6	6.1	5.5	5.1	4.5	4.1	4.1
UCB 4500**C	5	32°C	Q	13,016	11,861	10,576	9,039	7,412	6,354	4,738
			P	7.7	7.0	6.4	5.8	5.3	4.8	4.3
		35°C	Q	12,235	11,149	9,941	8,527	6,992	5,994	4,470
			P	8.2	7.5	6.8	6.2	5.6	5.1	4.6
		38°C	Q	11,500	10,480	9,344	8,015	6,572	5,634	4,201
			P	8.7	8.0	7.2	6.6	5.9	5.4	4.9
		43°C	Q	10,522	9,588	8,550	7,351	6,028	5,167	3,853
			P	9.6	8.8	7.9	7.3	6.5	5.9	5.4

Capacity data / Datos de capacidad

Model	HP	Temperature Ambiente		Cold storage capacity / Capacidad Frigorífica [Kcal/h] Evaporation temperature / Temperatura de Evaporación [°C]			
				-15°C	-20°C	-25°C	-30°C
Copeland Alternative - Low and medium temperature - R-404A							
Copeland Recíproco - Baja y media Temperatura - R-404A							
UCB 4200**0	2	32°C	Q	3,877	3,103	2,429	1,853
			P	2.0	1.9	1.7	1.5
		35°C	Q	3,658	2,927	2,291	1,748
			P	2.2	2.0	1.8	1.6
		38°C	Q	3,438	2,751	2,153	1,643
			P	2.3	2.1	1.9	1.7
		43°C	Q	3,153	2,523	1,975	1,507
			P	2.5	2.3	2.1	1.9
UCB 4300**0	3	32°C	Q	5,673	4,488	3,535	2,483
			P	3.0	2.7	2.4	2.2
		35°C	Q	5,352	4,234	3,335	2,342
			P	3.1	2.9	2.6	2.3
		38°C	Q	5,030	3,979	3,134	2,201
			P	3.3	3.1	2.8	2.4
		43°C	Q	4,614	3,650	2,875	2,019
			P	3.63	3.41	3.08	2.64
UCB 4400**0	4	32°C	Q	7,117	5,891	4,577	3,523
			P	3.9	3.5	3.2	2.9
		35°C	Q	6,714	5,558	4,318	3,324
			P	4.1	3.7	3.4	3.1
		38°C	Q	6,311	5,224	4,058	3,124
			P	4.3	3.9	3.6	3.3
		43°C	Q	5,788	4,791	3,722	2,865
			P	4.7	4.3	4.0	3.6

Electrical data / Datos eléctricos

Model	Compressor / Compresor											Fans			
	Model	Electrical feature Característica eléctrica			RLA	MCC	LRA	Load of oil/ aceite	Relay Relay	Capacitor Capacitor		Electrical feature elétrica Característica eléctrica			
										Starter Arranque	Run Marcha				
		V	F	Hz	A	A	A	l		µFD/VAC		V	F	Hz	A
Elgin Alternative - High and medium temperature - R-22															
Elgin Recíproco - Alta y media temperatura - R-22															
UCM 2200T*C	ECM 24000 T	220	3	60/50	6.2	10.1	46.0	1.5	-	-	-	220	1	60/50	0.4
UCM 2200J*C	ECM 24000 J	380	3	60/50	3.6	5.2	26.0	1.5	-	-	-	220	1	60/50	0.4
UCM 2250T*C	ECM 30000 T	220	3	60/50	9.3	14.1	65.0	1.5	-	-	-	220	1	60/50	1.5
UCM 2250J*C	ECM 30000 J	380	3	60/50	5.6	6.3	33.0	1.5	-	-	-	220	1	60/50	1.5
UCM 2300T*C	ECM 37000 T	220	3	60/50	10.3	14.8	86.0	1.5	-	-	-	220	1	60/50	1.5
UCM 2300J*C	ECM 37000 J	380	3	60/50	6.2	6.8	40.0	1.5	-	-	-	220	1	60/50	1.5
UCM 2350T*C	ECM 42000 T	220	3	60/50	11.3	17.0	88.0	1.5	-	-	-	220	1	60/50	1.5
UCM 2350J*C	ECM 42000 J	380	3	60/50	6.5	7.7	42.0	1.5	-	-	-	220	1	60/50	1.5
UCM 2375T*C	ECM 46000 T	220	3	60/50	14.5	18.6	96.0	2.0	-	-	-	220	1	60/50	1.5
UCM 2375J*C	ECM 46000 J	380	3	60/50	7.0	8.7	54.0	2.0	-	-	-	220	1	60/50	1.5
UCM 2400T*C	ECM 53000 T	220	3	60/50	15.7	24.5	108.0	2.0	-	-	-	220	1	60/50	3.0
UCM 2400J*C	ECM 53000 J	380	3	60/50	9.1	11.7	56.0	2.0	-	-	-	220	1	60/50	3.0
UCM 2500T*C	ECM 61000 T	220	3	60/50	19.3	29.0	128.0	2.0	-	-	-	220	1	60/50	3.0
UCM 2500J*C	ECM 61000 J	380	3	60/50	10.5	12.5	59.0	2.0	-	-	-	220	1	60/50	3.0
UCM 2550T*C	ECM 68000 T	220	3	60/50	22.0	31.0	146.0	2.0	-	-	-	220	1	60/50	3.0
UCM 2550J*C	ECM 68000 J	380	3	60/50	11.4	15.5	62.0	2.0	-	-	-	220	1	60/50	3.0
UCM 2600T*C	ECM 72000 T	220	3	60/50	24.5	36.0	162.0	2.0	-	-	-	220	1	60/50	3.0
UCM 2600J*C	ECM 72000 J	380	3	60/50	14.5	17.0	64.0	2.0	-	-	-	220	1	60/50	3.0
Copeland Alternative - High and medium temperature - R-22															
Copeland Recíproco - Alta y media temperatura - R-22															
UCM 2150H*I	CR22K6M-PF1	220	1	50	9.6	13.5	60.0	1.3	RVA3AH6D	88-108/330	35/440	220	1	50	0.4
UCM 2150E*I	CR20K6M-PFV	220	1	60	9.4	14.6	60.0	1.3	RVA4AH3R	161-193/250	35/440	220	1	60	0.4
UCM 2150T*I	CR18K6-TF5	220	3	60/50	6.1	8.5	49.0	1.3	-	-	-	220	1	60/50	0.4
UCM 2150J*I	CR18K6-TFD	380/440	3	60/50	6.1	8.5	49.0	1.3	-	-	-	220	1	60/50	0.4
UCM 2200H* I / 0	CR24K6M-PFZ	220	1	50	10.4	14.6	51.0	1.3	RVA2AE6D	161-193/330	35/440	220	1	50	0.4
UCM 2200E* I / 0	CR24K6M-PFV	220	1	60	12.4	17.4	61.0	1.3	RVA4AH3R	161-193/250	35/440	220	1	60	0.4
UCM 2200T* I / 0	CR24K6M-TF5	220	3	60/50	7.7	10.8	55.0	1.3	-	-	-	220	1	60/50	0.4
UCM 2200J* I / 0	CR24K6M-TFD	380/440	3	60/50	4.0	5.6	28.0	1.3	-	-	-	220	1	60/50	0.4
UCM 2250E* I / 0	CR32K6M-PFV	220	1	60	10.3	21.0	65.0	1.3	RVA4AH3R	161-193/250	45/440	220	1	60	1.5
UCM 2275H* I / 0	CR34K6M-PFZ	220	1	50	13.5	18.9	83.5	1.3	RVA2AE6D	161-193/330	45/440	220	1	50	1.5
UCM 2275E* I / 0	CR34K6M-PFV	220	1	60	16.6	23.3	96.0	1.3	RVA2AE6D	161-193/330	45/440	220	1	60	1.5
UCM 2275T* I / 0	CR34K6M-TF5	220	3	60/50	11.8	16.5	67.0	1.3	-	-	-	220	1	60/50	1.5
UCM 2275J* I / 0	CR34K6M-TFD	380/440	3	60/50	4.5	8.0	45.0	1.3	-	-	-	220	1	60/50	1.5
UCM 2300H* I / 0	CR37K6M-PFZ	220	1	50	10.4	23.6	85.8	1.3	RVA3AG6D	161-193/330	50/440	220	1	50	1.5
UCM 2300E* I / 0	CR37K6M-PFV	220	1	60	18.6	26.0	100.0	1.3	RVA3AG6D	189-227/330	50/440	220	1	60	1.5
UCM 2300T* I / 0	CR37K6M-TF5	220	3	60/50	11.1	15.5	85.0	1.3	-	-	-	220	1	60/50	1.5
UCM 2300J* I / 0	CR37K6M-TFD	380/440	3	60/50	5.6	7.8	39.0	1.3	-	-	-	220	1	60/50	1.5
UCM 2350H* I / 0	CR41KQ-PFT	220	1	50	20.0	28.0	97.4	1.3	RVA4AL3R	189-227/330	50/440	220	1	50	1.5
UCM 2350E* I / 0	CR42K6M-PFV	220	1	60	20.4	28.5	102.0	1.3	RVA4AL3R	189-227/330	45/440	220	1	60	1.5
UCM 2350T* I / 0	CR42K6M-TF5	220	3	60/50	14.0	19.7	91.0	1.3	-	-	-	220	1	60/50	1.5
UCM 2350J* I / 0	CR42K6-TFD	380/440	3	60/50	6.4	8.9	42.0	1.3	-	-	-	220	1	60/50	1.5
UCM 2400E* I / 0	CR53KQ-PFV	220	1	60	28.9	40.5	140.0	1.3	RVA4AH3R	189-227/330	60/450	220	1	60	3.0
UCM 2400T* I / 0	CR53KQM-TF5	220	3	60/50	20.0	28.0	135.0	1.3	-	-	-	220	1	60/50	3.0
UCM 2400J* I / 0	CR53KQM-TFD	380/440	3	60/50	9.9	13.8	60.0	1.3	-	-	-	220	1	60/50	3.0
UCM 2500* I / 0	CR62KQM-PFV	220	1	60/50	35.0	49.0	155.0	2.0	RVA3AG6D	189-227/330	60/480	220	1	60/50	3.0
UCM 2500T* I / 0	CR62KQM-TF5	220	3	60/50	23.4	32.8	125.0	2.0	-	-	-	220	1	60/50	3.0
UCM 2500J* I / 0	CR62KQM-TFD	380/440	3	60/50	11.4	16.0	50.0	2.0	-	-	-	220	1	60/50	3.0

For items whose frequency is 60/50Hz, the data refers to 60Hz
RLA = Compressor rated current
LRA = Compressor blocker rotor current
MCC = Compressor maximum operational current
Oil load to the compressor in the case of maintenance
Mineral Oil ISO 32 = R-22
Polyolester Oil ISO 32 = R-404A

Para elementos cuya frecuencia es 60/50Hz, los datos son relativos a 60Hz
RLA = Corriente nominal del compresor
LRA = Corriente del rotor bloqueada del compresor
MCC = Corriente máxima de funcionamiento del compresor
Carga de aceite para el compresor en caso de mantenimiento
Aceite Mineral ISO 32 = R-22
Aceite Poliol Éster ISO 32 = R-404A

Electrical data / Datos eléctricos

Model	Compressor / Compresor											Fans			
	Model	Electrical feature Característica eléctrica			RLA	MCC	LRA	Load of oil/ aceite	Relay Relay	Capacitor Capacitor		Electrical feature elétrica Característica eléctrica			
										Starter Arranque	Run Marcha				
		V	F	Hz	A	A	A	l		µFD/VAC		V	F	Hz	A
Elgin Alternative - High and medium temperature - R-404A															
Elgin Recíproco - Alta y media temperatura - R-404A															
UCM 4150T*C	ECM 418000 T	220	3	60/50	5.7	9.8	46.0	1.5	-	-	-	220	1	60/50	0.4
UCM 4150J*C	ECM 418000 J	380	3	60/50	3.2	4.8	25.0	1.5	-	-	-	220	1	60/50	0.4
UCM 4200T*C	ECM 424000 T	220	3	60/50	6.5	10.1	46.0	1.5	-	-	-	220	1	60/50	0.4
UCM 4200J*C	ECM 424000 J	380	3	60/50	3.8	5.2	26.0	1.5	-	-	-	220	1	60/50	0.4
UCM 4250T*C	ECM 430000 T	220	3	60/50	9.7	14.1	65.0	1.5	-	-	-	220	1	60/50	1.5
UCM 4250J*C	ECM 430000 J	380	3	60/50	5.9	6.3	33.0	1.5	-	-	-	220	1	60/50	1.5
UCM 4300T*C	ECM 437000 T	220	3	60/50	10.8	14.8	86.0	1.5	-	-	-	220	1	60/50	1.5
UCM 4300J*C	ECM 437000 J	380	3	60/50	6.5	6.8	40.0	1.5	-	-	-	220	1	60/50	1.5
UCM 4350T*C	ECM 442000 T	220	3	60/50	11.8	17.0	88.0	1.5	-	-	-	220	1	60/50	1.5
UCM 4350J*C	ECM 442000 J	380	3	60/50	6.8	7.9	42.0	1.5	-	-	-	220	1	60/50	1.5
UCM 4375T*C	ECM 446000 T	220	3	60/50	15.2	18.6	96.0	2.0	-	-	-	220	1	60/50	1.5
UCM 4375J*C	ECM 446000 J	380	3	60/50	7.3	8.7	54.0	2.0	-	-	-	220	1	60/50	1.5
UCM 4400T*C	ECM 453000 T	220	3	60/50	15.7	24.5	108.0	2.0	-	-	-	220	1	60/50	3.0
UCM 4400J*C	ECM 453000 J	380	3	60/50	9.5	11.7	56.0	2.0	-	-	-	220	1	60/50	3.0
UCM 4500T*C	ECM 461000 T	220	3	60/50	20.6	29.0	128.0	2.0	-	-	-	220	1	60/50	3.0
UCM 4500J*C	ECM 461000 J	380	3	60/50	11	12.5	59.0	2.0	-	-	-	220	1	60/50	3.0
UCM 4550T*C	ECM 468000 T	220	3	60/50	23.1	31.0	146.0	2.0	-	-	-	220	1	60/50	3.0
UCM 4550J*C	ECM 468000 J	380	3	60/50	12	15.5	62.0	2.0	-	-	-	220	1	60/50	3.0
UCM 4600T*C	ECM 472000 T	220	3	60/50	25.7	36.0	162.0	2.0	-	-	-	220	1	60/50	3.0
UCM 4600J*C	ECM 472000 J	380	3	60/50	15.2	17.0	64.0	2.0	-	-	-	220	1	60/50	3.0
Elgin Alternative - Low and medium temperature - R-404A															
Elgin Recíproco - Alta y media temperatura - R-404A															
UCB 4150E*C	ECB 2464E	220	1	60	7.8	14.8	58.0	1.5	RVA4AG3R	161-193/330	35/440	220	1	60	0.4
UCB 4150T*C	ECB 2464 T	220	3	60/50	5.1	10.2	46.0	1.5	-	-	-	220	1	60/50	0.4
UCB 4150J*C	ECB 2464 J	380	3	60/50	3.0	3.8	28.0	1.5	-	-	-	220	1	60/50	0.4
UCB 4200E*C	ECB 2480 E	220	1	60	13.8	22.0	98.0	1.5	RVA4AG3R	161-193/330	35/440	220	1	60	0.4
UCB 4200T*C	ECB 2480 T	220	3	60/50	6.9	11.0	66.0	1.5	-	-	-	220	1	60/50	0.4
UCB 4200J*C	ECB 2480 J	380	3	60/50	4.0	4.2	32.0	1.5	-	-	-	220	1	60/50	0.4
UCB 4300T*C	ECB 2511 T	220	3	60/50	9.0	15.0	78.0	1.5	-	-	-	220	1	60/50	1.5
UCB 4300J*C	ECB 2511 J	380	3	60/50	4.9	5.0	38.0	1.5	-	-	-	220	1	60/50	1.5
UCB 4400T*C	ECB 2516 T	220	3	60/50	11.7	20.6	98.0	2.0	-	-	-	220	1	60/50	1.5
UCB 4400J*C	ECB 2516 J	380	3	60/50	7.1	9.6	52.0	2.0	-	-	-	220	1	60/50	1.5
UCB 4500T*C	ECB 2522 T	220	3	60/50	15.1	25.2	120.0	2.0	-	-	-	220	1	60/50	3.0
UCB 4500J*C	ECB 2522 J	380	3	60/50	8.7	13.8	66.0	2.0	-	-	-	220	1	60/50	3.0
Copeland Alternative - Low and medium temperature - R-404A															
Copeland Recíproco - Baja y media temperatura - R-404A															
UCB 4200E*0	CF06K6E-PFV	220	1	60/50	11.4	16.0	59.2	1.0	RVA3AG6D	145-175/330	30/380	220	1	60/50	0.4
UCB 4200T*0	CF06K6E-TF5	220	3	60/50	7.0	9.8	52.0	1.0	-	-	-	220	1	60/50	0.4
UCB 4200J*0	CF06K6E-TFD	380/440	3	60/50	3.7	5.2	25.4	1.0	-	-	-	220	1	60/50	0.4
UCB 4300E*0	CF09K6E-PFV	220	1	60/50	16.7	23.4	87.0	1.0	RVA3AG6D	145-175/330	40/440	220	1	60/50	1.5
UCB 4300T*0	CF09K6E-TF5	220	3	60/50	10.2	14.3	72.2	1.0	-	-	-	220	1	60/50	1.5
UCB 4300J*0	CF09K6E-TFD	380/440	3	60/50	5.5	7.7	35.8	1.0	-	-	-	220	1	60/50	1.5
UCB 4400E*0	CF12K6E-PFV	220	1	60/50	20.5	28.7	105.0	1.0	RVA4AG3R	189-227/330	40/440	220	1	60/50	1.5
UCB 4400T*0	CF12K6E-TF5	220	3	60/50	12.3	17.2	85.0	1.0	-	-	-	220	1	60/50	1.5
UCB 4400J*0	CF12K6E-TFD	380/440	3	60/50	6.6	9.2	42.0	1.0	-	-	-	220	1	60/50	1.5

For items whose frequency is 60/50Hz, the data refers to 60Hz
RLA = Compressor rated current
LRA = Compressor blocker rotor current
MCC = Compressor maximum operational current
Oil load to the compressor in the case of maintenance
Mineral Oil ISO 32 = R-22
Polyolester Oil ISO 32 = R-404A

Para elementos cuya frecuencia es 60/50Hz, los datos son relativos a 60Hz
RLA = Corriente nominal del compresor
LRA = Corriente del rotor bloqueada del compresor
MCC = Corriente máxima de funcionamiento del compresor
Carga de aceite para el compresor en caso de mantenimiento
Aceite Mineral ISO 32 = R-22
Aceite Poliol Éster ISO 32 = R-404A

Physical data / Datos físicos

Model	Connections Conexiones			Liquid Tank Tanque de Líquido	Noise Level* Nivel de Ruído*	Fans		Condenser
	Liquid Líquido	**Suction** Succión	**Discharge** Descarga			**Diameter** Diámetro	**Quantity** Cantidad	
	″	″	″	l	dB	″		**Code**
Elgin Alternative - High and medium temperature - R22								
Elgin Recíproco - Alta y Media temperatura - R22								
UCM 2200C**	V - 3/8	S - 3/4	1/2	2.5	71.3	350	1	CDE2793
UCM 2250C**	V - 3/8	S - 3/4	1/2	4.0	78.0	450	1	CDE2830
UCM 2300C**	V - 3/8	S - 3/4	1/2	4.0	78.0	450	1	CDE2840
UCM 2350C**	V - 3/8	S - 3/4	1/2	4.0	78.0	450	1	CDE2840
UCM 2375C**	V - 3/8	S - 3/4	1/2	4.0	78.0	450	1	CDE2840
UCM 2400C**	V - 1/2	S - 3/4	1/2	6.0	78.0	450	2	CDE2860
UCM 2500C**	V - 1/2	S - 3/4	1/2	6.0	78.0	450	2	CDE2860
UCM 2550C**	V - 1/2	S - 3/4	1/2	6.0	78.0	450	2	CDE2900
UCM 2600C**	V - 1/2	S - 3/4	1/2	6.0	78.0	450	2	CDE2930
Copeland Alternative - High and medium temperature - R22								
Copeland Recíproco - Alta y media temperatura - R22								
UCM 2150I**	V - 3/8	S - 5/8	3/8	2.5	71.3	350	1	CDE2781
UCM 2200I/0**	V - 3/8	S - 5/8	3/8	2.5	71.3	350	1	CDE2793
UCM 2250I/0**	V - 3/8	S - 5/8	3/8	4.0	78.0	450	1	CDE2830
UCM 2275I/0**	V - 3/8	S - 3/4	3/8	4.0	78.0	450	1	CDE2380
UCM 2300I/0**	V - 3/8	S - 3/4	3/8	4.0	78.0	450	1	CDE2840
UCM 2350I/0**	V - 3/8	S - 3/4	3/8	4.0	78.0	450	1	CDE2840
UCM 2400I/0**	V - 1/2	S - 7/8	1/2	6.0	78.0	450	2	CDE2860
UCM 2500I/0**	V - 1/2	S - 7/8	1/2	6.0	78.0	450	2	CDE2860
Elgin Alternative - High and medium temperature - R-4O4A								
Elgin Recíproco - Alta y media temperatura - R-4O4A								
UCM 4150C**	V - 3/8	S - 5/8	3/8	2.5	71.3	350	1	CDE2781
UCM 4200C**	V - 3/8	S - 3/4	1/2	2.5	71.3	350	1	CDE2793
UCM 4250C**	V - 3/8	S - 3/4	1/2	4.0	78.0	450	1	CDE2830
UCM 4300C**	V - 3/8	S - 3/4	1/2	4.0	78.0	450	1	CDE2840
UCM 4350C**	V - 3/8	S - 3/4	1/2	4.0	78.0	450	1	CDE2840
UCM 4375C**	V - 3/8	S - 3/4	1/2	4.0	78.0	450	1	CDE2840
UCM 4400C**	V - 1/2	S - 3/4	1/2	6.0	78.0	450	2	CDE2860
UCM 4500C**	V - 1/2	S - 3/4	1/2	6.0	78.0	450	2	CDE2860
UCM 4550C**	V - 1/2	S - 3/4	1/2	6.0	78.0	450	2	CDE2900
UCM 4600C**	V - 1/2	S - 3/4	1/2	6.0	78.0	450	2	CDE2930
Elgin Alternative - Low and medium temperature - R-4O4A								
Elgin Recíproco - Baja y media temperatura - R-4O4A								
UCB 4150C**	V - 3/8	S - 3/4	1/2	2.5	71.3	350	1	CDE2781
UCB 4200C**	V - 3/8	S - 3/4	1/2	4.0	78.0	350	1	CDE2793
UCB 4300C**	V - 3/8	S - 3/4	1/2	4.0	78.0	450	1	CDE2830
UCB 4400C**	V - 1/2	S - 3/4	1/2	6.0	78.0	450	1	CDE2840
UCB 4500C**	V - 1/2	S - 3/4	1/2	6.0	78.0	450	2	CDE2900
Copeland Alternative - Low and medium temperature - R-4O4A								
Copeland Recíproco - Baja y media temperatura - R-4O4A								
UCB 42000**	V - 3/8	S - 5/8	3/8	4.0	71.3	350	1	CDE2793
UCB 43000**	V - 3/8	S - 5/8	1/2	4.0	78.0	450	1	CDE2830
UCB 44000**	V - 1/2	S - 7/8	1/2	6.0	78.0	450	1	CDE2840

V = Connection with rotalock valve for thread
S = Connection with pipe for welding
Noise Level [dB] measured at 3 meters of distance, according to the standard.
The noise data above are typical for open field. The Condensing Units are cooled with horizontal air flow, the noise level is considered for air discharge. For reflexive conditions in the installation, the noise level can be significantly increased. Pay attention to the indoor applications, close to walls and background noise in the environment.

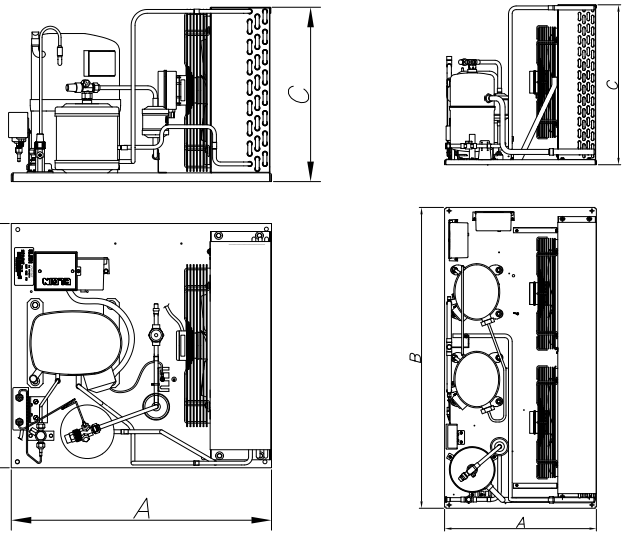
V = Conexión de rosca para válvula rotalock
S = Conexión con tubo para la soldadura
Nivel de Ruido [dB] medido a 3 metros de distancia, conforme norma.
Los datos de ruido anteriores son típicos para campo abierto.Las unidades de condensación están refrigeradas por aire con un flujo horizontal, el nivel de ruido se considera en la descarga de aire.Para condiciones reflectantes en la instalación, el nivel de ruido puede aumentar significativamente. Atención en aplicaciones en entornos cerrados, cerca de paredes y ruido de fondo en el entorno.

Noise level correction value due to the distance
Valor de corrección del nivel de ruido en función de la distancia

Distance / Distancia	**5 m**	**10 m**	**15 m**	**20 m**
Subtract / Sustraer	**3db (A)**	**6 db (A)**	**10 db (A)**	**12 db (A)**

Dimensional data and weight / Datos dimensionales y peso

Model				With packaging Con embalaje			Weight	
	Comp. Largo A	Width Ancho B	Height Altura C	Width Ancho B	Comp. Largo A	Height Altura C	Liquid Neto	Gross Bruto
	mm	mm	mm	mm	mm	mm	kg	kg
Elgin Alternative - High and medium temperature - R22								
Elgin Recíproco - Alta y Media temperatura - R22								
UCM 2200**C	480	700	492	605	770	600	65.1	71.6
UCM 2250**C	500	870	544	625	940	655	59.9	65.9
UCM 2300**C	500	870	696	625	940	810	78.1	85.9
UCM 2350**C	500	870	696	625	940	810	78.1	85.9
UCM 2375**C	500	870	696	625	940	810	107	117.7
UCM 2400**C	530	1,308	544	600	1,360	660	103.3	113.6
UCM 2500**C	530	1,308	544	655	1,380	650	105.0	115.5
UCM 2550**C	530	1,308	697	655	1,380	810	140.5	127.7
UCM 2600**C	530	1,308	697	655	1,380	810	124.5	113.2
Copeland Alternative - High and medium temperature - R-22								
Copeland Recíproco - Alta y media temperatura - R22								
UCM 2150**I	610	480	436	650	535	550	52.3	57.5
UCM 2200**I/0	480	700	492	605	770	600	65.1	71.6
UCM 2250**I/0	500	870	544	625	940	655	64.9	71.4
UCM 2275**I/0	500	870	544	625	940	655	68.2	75.0
UCM 2300**I/0	500	870	696	625	940	810	78.1	85.9
UCM 2350**I/0	500	870	696	625	940	810	78.1	85.9
UCM 2400**I/0	530	1,308	544	600	1,360	660	96.6	106.3
UCM 2500**I/0	530	1,308	544	655	1,380	650	104.4	114.8
Elgin Alternative - High and medium temperature - R-4O4A								
Elgin Recíproco - Alta y media temperatura - R-4O4A								
UCM 4150**C	610	480	436	650	535	550	52.3	57.5
UCM 4200**C	480	700	492	605	770	600	65.1	71.6
UCM 4250**C	500	870	544	625	940	655	59.9	65.9
UCM 4300**C	500	870	696	625	940	810	78.1	85.9
UCM 4350**C	500	870	696	625	940	810	78.1	85.9
UCM 4375**C	500	870	696	625	940	810	107.0	117.7
UCM 4400**C	530	1,308	544	600	1,360	660	103.3	113.6
UCM 4500**C	530	1,308	544	655	1,380	650	105.0	115.5
UCM 4550**C	530	1,308	697	655	1,380	810	140.5	127.7
UCM 4600**C	530	1,308	697	655	1,380	810	124.5	113.2
Elgin Alternative - Low and medium temperature - R-4O4A								
Elgin Recíproco - Baja y media temperatura - R-4O4A								
UCB 4150**C	480	610	436	577	642	533	67.7	74.5
UCB 4200**C	480	700	492	755	790	605	66.1	72.7
UCB 4300**C	500	870	544	625	940	655	68.5	75.4
UCB 4400**C	500	870	696	625	940	810	78.0	85.8
UCB 4500**C	530	1,308	544	655	1,380	650	84	89
Copeland Alternative - Low and medium temperature - R-4O4A								
Copeland Recíproco - Baja y media temperatura - R-4O4A								
UCB 4 200**0	750	700	492	755	790	605	66.1	72.7
UCB 4 300**0	660	870	544	625	940	655	68.5	75.4
UCB 4 400**0	660	870	696	625	940	810	78.0	85.8



USMB
Condensing Unit
Unidad Condensadora

Elgin USMB Condensing Units were developed for frozen and chilled applications. They use scroll compressors, offering high refrigeration performance, low energy consumption and reduced noise level. These unit models come with a filter drier, liquid sight glass, high/low pressure switch, liquid tank, liquid separator and oil separator. We recommend using the overload relay in the control module. Main Applications: conservation chambers, displays and counters, frozen islands, ice cream machines, tunnels for frozen and chilled processes.

Las Unidades Condensadoras Elgin USMB fueron desarrolladas para aplicaciones en congelados y enfriados. Son armadas con compresor scroll presentando alto rendimiento frigorífico, bajo consumo de energía y nivel de ruido reducido. Las unidades de la familia USMB acompañan filtro secador, visor de líquido, presostato de alta/baja presión, recibidor de liquido, separador de líquido y separador de aceite. Recomendamos uso de relay secuencial de fase, relay de falta de fase, contactor y relay de sobrecarga en el cuadro eléctrico. Principales Aplicaciones: Cámaras de conservación, Expositores y balcones frigoríficos, Islas de congelados, Máquinas de helado, Túneles para proceso de congelados y enfriados

Capacity Capacidad	915 → 37.400 kcal/h
Application Aplicación	0°C → -30°C
Commercial reference Referencia comercial	1.1/3 → 15 HP
Compressor brand Marca de compresor	Elgin (SMB) Copeland (ZS)
Compressor type Tipo de compresor	Scroll
Coolant Fluido refrigerante	R-404A/R-448/ R-448A R-134a/R-22
Structure Estructura	Without fairing and black paint Sin carenado y pintura negra
Electrical feature Característica eléctrica	220V-1F-60Hz 220V-3F-60Hz 380V-3F-60Hz
Condenser	Aluminum fin and copper tube Aleta de aluminio y tubo de cobre

Access the website

Version / Versión: 07/2022

Nomenclature

US	MB	4	300	T	0
Product Producto	**Application** Aplicación	**Coolant** Refrigerante	**Model** Modelo	**Voltage** Voltaje	**Compressor** Compresor
US: **Condenser Unit with Compressor Scroll/ Unidad Condensadora con Compresor Scroll**	**MB:** **Medium/Low Temperature/ Media/Baja Temperatura**	**4:** **R-404A**	**200** **300** **400** **500** **600** **800** **102** **122** **130** **150** **152** **200** **350** **400** **450** **500** **Example** **Ejemplo** **100 / 100 = 1HP**	**E:** **220V-1F 60Hz** **T:** **220V-3F 60Hz** **J:** **380V-3F 60Hz**	**0:** **Copeland Scroll** **V:** **Elgin Scroll**

Notes

Models for 50Hz available only for Copeland compressors
Components for the control circuit, such as: contactor, relays, phase failure, phase sequence, overload should be installed in the external control cabinet.

Notes

Modelos de 50 Hz solo disponibles para compresores Copeland
Componentes para circuito de comando, tales como: contacto, relays de falta de fase, secuencial y sobrecarga deberán ser instalados en el cuadro eléctrico externo.

Environment temperature correction value due to the altitude
Valor de corrección de la Temperatura Ambiente en función de la altitud

Refer to the capacity table and add the values at the ambient temperature, according to the corresponding altitude found in the table below:
Consultar la tabla de capacidades y sumar los valores a temperatura ambiente, según la altitud que se encuentra en la siguiente tabla:

Installation altitude (Sea level) Altitud de instalación (nivel del mar)	Add to the ambient temperature °C Añadir a Temperatura Ambiente °C
1000 m	0
2000 m	3
3000 m	5
4000 m	7
5000 m	10

Capacity data / Datos de capacidad

Model	HP	Temperature Ambiente		Cold storage capacity / Capacidad Frigorífica [Kcal/h] Evaporation temperature / Temperatura de Evaporación [°C]						
				0°C	-5°C	-10°C	-15°C	-20°C	-25°C	-30°C
Elgin Scroll - Baixa e média temperatura - R-404A										
Elgin Scroll - Baja y media temperatura - R-404A										
USMB4200*V	2	32°C	Q	6,370	5,594	4,805	4,128	3,476	2,783	2,272
			P	2.8	2.6	2.3	2.1	1.9	1.7	1.6
		35°C	Q	6,009	5,277	4,533	3,894	3,279	2,625	2,143
			P	3.0	2.7	2.5	2.2	2.0	1.9	1.7
		38°C	Q	5,648	4,960	4,261	3,660	3,082	2,467	2,014
			P	3.1	2.8	2.6	2.3	2.1	2.0	1.8
		43°C	Q	5,048	4,433	3,808	3,271	2,754	2,205	1,800
			P	3.4	3.0	2.8	2.5	2.3	2.2	1.9
USMB4300*V	3	32°C	Q	7,663	6,884	6,046	5,151	4,250	3,370	2,756
			P	3.6	3.3	3.0	2.7	2.4	2.2	2.0
		35°C	Q	7,229	6,494	5,704	4,859	4,009	3,179	2,600
			P	3.8	3.5	3.1	2.9	2.6	2.4	2.1
		38°C	Q	6,795	6,104	5,361	4,567	3,768	2,988	2,444
			P	4.0	3.7	3.2	3.0	2.7	2.5	2.2
		43°C	Q	6,072	5,455	4,791	4,082	3,368	2,670	2,184
			P	4.4	4.0	3.5	3.3	2.9	2.7	2.4
USMB4400*V	4	32°C	Q	7,973	7,306	6,416	5,454	4,596	3,568	2,917
			P	4.8	4.4	4.0	3.6	3.3	3.0	2.7
		35°C	Q	7,522	6,892	6,053	5,145	4,336	3,366	2,752
			P	5.1	4.6	4.2	3.8	3.5	3.2	2.8
		38°C	Q	7,070	6,478	5,689	4,836	4,075	3,164	2,586
			P	5.4	4.8	4.4	4.0	3.7	3.3	2.9
		43°C	Q	6,318	5,789	5,085	4,322	3,642	2,827	2,312
			P	5.9	5.2	4.8	4.4	4.0	3.6	3.1
USMB4500*V	5	32°C	Q	11,138	10,230	8,817	7,594	6,535	5,343	4,327
			P	6.3	5.7	5.2	4.7	4.3	3.9	3.5
		35°C	Q	10,508	9,651	8,318	7,164	6,165	5,041	4,082
			P	6.7	6.1	5.5	5.0	4.6	4.2	3.7
		38°C	Q	9,877	9,071	7,818	6,734	5,795	4,738	3,837
			P	7.1	6.4	5.8	5.3	4.8	4.4	3.9
		43°C	Q	8,827	8,107	6,987	6,018	5,179	4,234	3,429
			P	7.8	7.0	6.3	5.8	5.2	4.8	4.2
USMB4600*V	6	32°C	Q	15,022	13,865	12,384	10,157	8,269	7,030	5,813
			P	7.7	7.0	6.3	5.8	5.2	4.7	4.3
		35°C	Q	14,172	13,080	11,683	9,582	7,801	6,632	5,484
			P	8.2	7.4	6.7	6.1	5.6	5.1	4.5
		38°C	Q	13,321	12,295	10,982	9,007	7,332	6,234	5,154
			P	8.6	7.8	7.1	6.4	5.9	5.4	4.7
		43°C	Q	11,904	10,987	9,814	8,049	6,553	5,571	4,607
			P	9.4	8.5	7.8	7.0	6.4	5.9	5.1
USMB4800*V	8	32°C	Q	20,754	17,359	14,430	11,756	9,700	8,452	7,186
			P	9.8	8.9	8.1	7.3	6.7	6.1	5.4
		35°C	Q	19,509	16,317	13,564	11,051	9,118	7,954	6,754
			P	10.4	9.5	8.6	7.8	7.1	6.5	5.8
		38°C	Q	18,338	15,337	12,750	10,387	8,570	7,476	6,348
			P	11.0	10.0	9.1	8.3	7.5	6.8	6.2
		43°C	Q	16,188	13,540	11,255	9,170	7,566	6,593	5,605
			P	12.1	11.0	10	9.1	8.3	7.5	6.8
USMB4102*V	10	32°C	Q	27,040	22,619	18,488	15,316	12,692	10,845	9,381
			P	12.5	11.4	10.3	9.4	8.5	7.8	7.0
		35°C	Q	25,418	21,262	17,379	14,397	11,930	10,194	8,818
			P	13.3	12.1	11.0	10.0	9.3	8.3	7.4
		38°C	Q	23,892	19,986	16,336	13,533	11,214	9,582	8,288
			P	14.0	12.8	11.6	10.6	9.6	8.7	7.9
		43°C	Q	21,091	17,643	14,420	11,947	9,900	8,460	7,317
			P	15.4	14.0	12.7	11.6	10.6	9.6	8.7
USMB4122*V	12	32°C	Q	30,120	24,880	20,120	16,880	14,120	11,810	10,680
			P	16.3	14.8	13.5	12.2	11.1	10.1	9.1
		35°C	Q	28,313	23,387	18,913	15,867	13,273	11,101	10,039
			P	17.3	15.8	14.3	13.0	11.8	10.8	9.7
		38°C	Q	26,614	21,983	17,778	14,914	12,476	10,434	9,436
			P	18.3	16.7	15.1	13.7	12.5	11.4	10.2
		43°C	Q	23,494	19,406	15,694	13,166	11,014	9,212	8,330
			P	20.1	18.3	16.6	15.0	13.7	12.5	11.2
USMB4152*V	15	32°C	Q	37,400	30,950	24,017	19,908	16,610	13,420	12,580
			P	23.0	20.9	19.0	17.2	15.7	14.2	12.8
		35°C	Q	35,156	29,093	22,576	18,714	15,613	12,615	11,825
			P	24.4	22.2	20.2	18.3	16.7	15.2	13.6
		38°C	Q	33,046	27,347	21,221	17,591	14,676	11,858	11,115
			P	25.8	23.5	21.4	19.3	17.7	16.1	14.4
		43°C	Q	29,172	24,141	18,733	15,528	12,956	10,468	9,812
			P	28.3	25.8	23.5	21.2	19.4	17.7	15.8

Q = Capacity (Kcal/h)
P = Consumed power (kW)
Capacities are based on the following conditions:
- Capacity in 60Hz
- Suction temperature: 18.3ºC / Subcooling: 3,2ºC
- To obtain the capacity in BTU/h multiply it by 3.9
- To obtain the capacity in BTU/h divide it by 860
- To obtain the temperature in °F: (Value °C × 1.8)+32 = Value °F

Q = Capacidad (Kcal / h)
P = Energía consumida (kW)
Las capacidades se basan en las siguientes condiciones:
- Capacity in 60Hz
- Temperatura de aspiración: 18,3°C / Subenfriamiento: 3,2°C
- Para obtener la capacidad en BTU / h multiplicar por 3,9
- Para obtener la capacidad en kW dividir por 860
- Para obtener la temperatura en °F: (Value °C × 1.8)+32 = Value °F

Capacity data / Datos de capacidad

Model	HP	Temperature Ambiente		Cold storage capacity / Capacidad Frigorífica [Kcal/h] Evaporation temperature / Temperatura de Evaporación [°C]						
				0°C	-5°C	-10°C	-15°C	-20°C	-25°C	-30°C
Copeland Scroll - Low and medium temperature - R-404A										
Copeland Scroll - Baja y media temperatura - R-404A										
USMB4130*0	1 1/3	32°C	Q	3,561	3,096	2,681	2,247	1,932	1,457	1,159
			P	2.0	1.8	1.6	1.5	1.3	1.2	1.1
		35°C	Q	3,347	2,910	2,520	2,112	1,816	1,370	1,089
			P	2.1	1.9	1.7	1.6	1.4	1.3	1.2
		38°C	Q	3,146	2,735	2,369	1,985	1,707	1,288	1,024
			P	2.2	2.0	1.8	1.7	1.5	1.4	1.3
		43°C	Q	2,812	2,445	2,117	1,774	1,526	1,150	915
			P	2.4	2.2	2.0	1.9	1.6	1.5	1.4
USMB4150*0	1 1/2	32°C	Q	4,163	3,593	3,085	2,582	2,110	1,628	1,300
			P	2.4	2.2	2.0	1.8	1.6	1.5	1.3
		35°C	Q	3,913	3,377	2,900	2,427	1,983	1,530	1,222
			P	2.5	2.3	2.1	1.9	1.7	1.6	1.4
		38°C	Q	3,678	3,174	2,726	2,281	1,864	1,438	1,149
			P	2.6	2.4	2.2	2.0	1.8	1.7	1.5
		43°C	Q	3,287	2,837	2,436	2,039	1,666	1,285	1,026
			P	2.8	2.6	2.4	2.2	1.9	1.8	1.6
USMB4200*0	2	32°C	Q	6,234	5,396	4,689	4,060	3,398	2,730	2,139
			P	2.7	2.4	2.2	2.0	1.8	1.6	1.5
		35°C	Q	5,860	5,072	4,408	3,816	3,194	2,566	2,011
			P	2.8	2.6	2.3	2.1	1.9	1.8	1.6
		38°C	Q	5,508	4,767	4,143	3,587	3,002	2,412	1,890
			P	2.9	2.7	2.4	2.2	2.0	1.9	1.7
		43°C	Q	4,922	4,261	3,702	3,206	2,683	2,156	1,689
			P	3.1	2.9	2.6	2.4	2.2	2.0	1.8
USMB4300*0	3	32°C	Q	7,407	6,490	5,575	4,628	3,703	3,014	2,386
			P	3.6	3.3	3.0	2.7	2.4	2.2	2.0
		35°C	Q	6,963	6,101	5,241	4,350	3,481	2,833	2,243
			P	3.8	3.5	3.1	2.9	2.6	2.4	2.1
		38°C	Q	6,545	5,734	4,926	4,089	3,272	2,663	2,108
			P	4.0	3.7	3.2	3.0	2.7	2.5	2.2
		43°C	Q	5,849	5,125	4,402	3,654	2,924	2,380	1,884
			P	4.4	4.0	3.5	3.3	2.9	2.7	2.4
USMB4350*0	3 1/2	32°C	Q	8,049	7,544	6,237	5,388	4,517	3,648	2,992
			P	4.2	3.8	3.5	3.1	2.8	2.6	2.3
		35°C	Q	7,566	7,091	5,863	5,065	4,246	3,429	2,812
			P	4.5	4.0	3.7	3.3	3.0	2.8	2.5
		38°C	Q	7112	6665	5511	4761	3991	3223	2643
			P	4.7	4.2	3.9	3.4	3.1	2.9	2.6
		43°C	Q	6,355	5,957	4,925	4,254	3,567	2,880	2,362
			P	5.1	4.6	4.2	3.7	3.4	3.1	2.8
USMB4400*0	4	32°C	Q	8,520	7,500	7,006	6,028	5,036	3,980	3,287
			P	4.5	4.1	3.7	3.4	3.1	2.8	2.5
		35°C	Q	8,009	7,050	6,586	5,666	4,734	3,741	3,090
			P	4.8	4.3	3.9	3.6	3.3	3.0	2.7
		38°C	Q	7,528	6,627	6,190	5,326	4,449	3,516	2,904
			P	5.0	4.5	4.1	3.8	3.4	3.1	2.8
		43°C	Q	6,727	5,922	5,532	4,760	3,976	3,143	2,595
			P	5.5	4.9	4.5	4.1	3.7	3.4	3.0
USMB4450*0	4 1/2	32°C	Q	9,996	8,210	7,620	6,870	5,816	4,664	3,839
			P	5.4	4.9	4.5	4.0	3.7	3.3	3.0
		35°C	Q	9,396	7,717	7,163	6,458	5,467	4,384	3,609
			P	5.7	5.2	4.7	4.3	3.9	3.6	3.2
		38°C	Q	8,832	7,253	6,733	6,070	5,138	4,120	3,392
			P	6.0	5.5	4.9	4.5	4.1	3.8	3.3
		43°C	Q	7,893	6,483	6,017	5,425	4,592	3,683	3,031
			P	6.6	6.0	5.3	4.9	4.5	4.1	3.6
USMB4500*0	5	32°C	Q	10,174	9,137	8,064	7,639	6,513	5,070	4,334
			P	6.0	5.5	5.0	4.5	4.1	3.7	3.3
		35°C	Q	9,564	8,589	7,580	7,181	6,122	4,766	4,074
			P	6.4	5.8	5.3	4.8	4.4	4	3.6
		38°C	Q	8,990	8,073	7,125	6,750	5,754	4,480	3,829
			P	6.7	6.1	5.6	5.0	4.6	4.2	3.8
		43°C	Q	8,033	7,215	6,367	6,032	5,143	4,003	3,422
				7.3	6.7	6.1	5.5	5.0	4.6	4.1

Q = Capacity (Kcal/h)
P = Consumed power (kW)
Capacities are based on the following conditions:
- Capacity in 60Hz
- Suction temperature: 18.3ºC / Subcooling: 3,2ºC
- To obtain the capacity in BTU/h multiply it by 3.9
- To obtain the capacity in BTU/h divide it by 860
- To obtain the temperature in °F: (Value °C × 1.8)+32 = Value °F

Q = Capacidad (Kcal / h)
P = Energía consumida (kW)
Las capacidades se basan en las siguientes condiciones:
- Capacity in 60Hz
- Temperatura de aspiración: 18,3°C / Subenfriamiento: 3,2°C
- Para obtener la capacidad en BTU / h multiplicar por 3,9
- Para obtener la capacidad en kW dividir por 860
- Para obtener la temperatura en °F: (Value °C × 1.8)+32 = Value °F

Capacity data / Datos de capacidad

Model	HP	Temperature Ambiente		Cold storage capacity / Capacidad Frigorífica [Kcal/h] Evaporation temperature / Temperatura de Evaporación [°C]					
				O°C	-5°C	-10°C	-15°C	-20°C	-25°C
Copeland Scroll - Low and medium temperature - R-448/449A									
Copeland Scroll - Baja y media temperatura - R-448/449A									
USMB4130*0	1 1/3	32°C	Q	3,345	2,871	2,444	2,027	1,709	1,268
			P	1.79	1.63	1.48	1.44	1.32	1.24
		35°C	Q	3,170	2,721	2,317	1,920	1,623	1,206
			P	1.91	1.74	1.58	1.53	1.39	1.3
		38°C	Q	3,006	2,580	2,199	1,820	1,542	1,148
			P	2.02	1.85	1.69	1.62	1.46	1.36
		43°C	Q	2,719	2,332	1,988	1,645	1,397	1,041
			P	2.24	2.06	1.88	1.81	1.53	1.42
USMB4150*0	1 1/2	32°C	Q	3,910	3,332	2,812	2,329	1,867	1,416
			P	2.15	1.99	1.85	1.73	1.63	1.55
		35°C	Q	3,706	3,157	2,666	2,207	1,772	1,347
			P	2.27	2.1	1.95	1.82	1.69	1.6
		38°C	Q	3,515	2,994	2,530	2,092	1,684	1,282
			P	2.39	2.22	2.06	1.91	1.75	1.65
		43°C	Q	3,178	2,706	2,288	1,890	1,525	1,164
			P	2.61	2.43	2.26	2.09	1.82	1.71
USMB4200*0	2	32°C	Q	5,855	5,004	4,274	3,662	3,006	2,375
			P	2.41	2.17	2.03	1.92	1.83	1.65
		35°C	Q	5,550	4,742	4,053	3,469	2,854	2,259
			P	2.54	2.38	2.14	2.01	1.89	1.8
		38°C	Q	5,263	4,496	3,845	3,289	2,711	2,150
			P	2.67	2.5	2.25	2.1	1.95	1.85
		43°C	Q	4,758	4,065	3,477	2,972	2,456	1,952
			P	2.89	2.71	2.45	2.28	2.1	1.89
USMB4300*0	3	32°C	Q	6957	6,019	5,082	4,174	3,276	2,622
			P	3.22	2.98	2.77	2.59	2.44	2.27
		35°C	Q	6,594	5,704	4,819	3,955	3,111	2,494
			P	3.45	3.2	2.88	2.77	2.59	2.4
		38°C	Q	6,254	5,408	4,572	3,750	2,955	2,374
			P	3.68	3.42	3.00	2.86	2.63	2.43
		43°C	Q	5,655	4,889	4,134	3,387	2,677	2,155
			P	4.1	3.74	3.3	3.14	2.77	2.56
USMB4350*0	3 1/2	32°C	Q	7,560	6,996	5,686	4,860	3,996	3,174
			P	3.76	3.43	3.23	2.97	2.85	2.69
		35°C	Q	7,166	6,630	5,391	4,605	3,794	3,019
			P	4.09	3.66	3.44	3.15	2.98	2.8
		38°C	Q	6796	6287	5114	4366	3605	2873
			P	4.33	3.88	3.65	3.24	3.02	2.82
		43°C	Q	6144	5,683	4,625	3,944	3,265	2,608
			P	4.76	4.3	3.96	3.52	3.25	2.94
USMB4400*0	4	32°C	Q	8003	6,956	6,387	5,437	4,455	3,463
			P	4.02	3.7	3.41	3.26	3.15	2.89
		35°C	Q	7,585	6,592	6,056	5,151	4,230	3,293
			P	4.36	3.93	3.63	3.44	3.28	3
		38°C	Q	7,194	6,251	5,745	4,884	4,018	3,134
			P	4.6	4.16	3.84	3.62	3.31	3.02
		43°C	Q	6,503	5,649	5,195	4,413	3,640	2,846
			P	5.13	4.58	4.24	3.9	3.54	3.22
USMB4450*0	4 1/2	32°C	Q	9,389	7,614	6,946	6,197	5,145	4,058
			P	4.83	4.43	4.15	3.84	3.76	3.41
		35°C	Q	8,899	7,215	6,586	5,872	4,885	3,859
			P	5.18	4.76	4.37	4.11	3.88	3.6
		38°C	Q	8,440	6,841	6,249	5,566	4,641	3,673
			P	5.52	5.09	4.59	4.29	4	3.7
		43°C	Q	7,631	6,184	5,651	5,029	4,203	3,335
			P	6.16	5.61	4.99	4.66	4.3	3.88
USMB4500*0	5	32°C	Q	9,556	8,474	7,351	6,890	5,762	4,411
			P	5.37	4.97	4.61	4.31	4.17	3.82
		35°C	Q	9,058	8,031	6,970	6,529	5,470	4,196
			P	5.81	5.31	4.93	4.59	4.37	4.00
		38°C	Q	8,591	7,615	6,612	6,190	5,197	3,994
			P	6.17	5.64	5.24	4.77	4.48	4.09
		43°C	Q	7,766	6,883	5,979	5,592	4,708	3,625
				6.81	6.26	5.75	5.23	4.78	4.36

Q = Capacity (Kcal/h)
P = Consumed power (kW)
Capacities are based on the following conditions:
- Capacity in 60Hz
- Suction temperature: 18.3ºC / Subcooling: 3,2ºC
- To obtain the capacity in BTU/h multiply it by 3.9
- To obtain the capacity in BTU/h divide it by 860
- To obtain the temperature in °F: (Value °C × 1.8)+32 = Value °F

Q = Capacidad (Kcal / h)
P = Energía consumida (kW)
Las capacidades se basan en las siguientes condiciones:
- Capacity in 60Hz
- Temperatura de aspiración: 18,3°C / Subenfriamiento: 3,2°C
- Para obtener la capacidad en BTU / h multiplicar por 3,9
- Para obtener la capacidad en kW dividir por 860
- Para obtener la temperatura en °F: (Value °C × 1.8)+32 = Value °F

Capacity data / Datos de capacidad

Model	HP	Temperature Ambiente		Cold storage capacity / Capacidad Frigorífica [Kcal/h] Evaporation temperature / Temperatura de Evaporación [°C]				
				5°C	O°C	-5°C	-10°C	-15°C
Copeland Scroll - Low and medium temperature - R-22								
Copeland Scroll - Baja y media temperatura - R-22								
USMB4130*0	1 1/3	32°C	Q	3481	3158	2736	2337	1950
			P	1.76	1.66	1.57	1.48	1.46
		35°C	Q	3319	3,014	2,611	2,236	1,869
			P	1.9	1.78	1.68	1.57	1.54
		38°C	Q	3168	2,880	2,494	2,143	1,793
			P	2.03	1.9	1.79	1.66	1.62
		43°C	Q	2889	2,629	2,277	1,961	1,644
			P	2.26	2.11	1.99	1.85	1.78
USMB4150*0	1 1/2	32°C	Q	4070	3,691	3,175	2,689	2,241
			P	2.11	1.99	1.92	1.85	1.75
		35°C	Q	3880	3,523	3,030	2,573	2,148
			P	2.26	2.12	2.03	1.94	1.83
		38°C	Q	3704	3,367	2,895	2,465	2,061
			P	2.39	2.25	2.14	2.03	1.9
		43°C	Q	3377	3,073	2,642	2,256	1,890
			P	2.63	2.47	2.35	2.22	2.06
USMB4200*0	2	32°C	Q	6094	5,528	4,768	4,087	3,524
			P	2.37	2.24	2.09	2.04	1.95
		35°C	Q	5811	5,276	4,551	3,911	3,377
			P	2.52	2.38	2.29	2.13	2.02
		38°C	Q	5547	5,042	4,347	3,747	3,241
			P	2.67	2.51	2.41	2.22	2.09
		43°C	Q	5056	4,602	3,967	3,429	2,972
			P	2.92	2.73	2.62	2.4	2.25
USMB4300*0	3	32°C	Q	7241	6568	5,735	4,860	4,017
			P	3.16	2.99	2.87	2.78	2.63
		35°C	Q	6905	6,270	5,474	4,651	3,850
			P	3.43	3.22	3.09	2.87	2.79
		38°C	Q	6591	5,991	5,229	4,455	3,694
			P	3.69	3.46	3.3	2.96	2.85
		43°C	Q	6008	5,469	4,772	4,077	3,387
			P	4.14	3.88	3.61	3.23	3.1
USMB4350*0	3 1/2	32°C	Q	7868	7,137	6,666	5,437	4,677
			P	3.7	3.48	3.31	3.24	3.02
		35°C	Q	7503	6,813	6,362	5,203	4,483
			P	4.06	3.82	3.53	3.42	3.17
		38°C	Q	7162	6510	6078	4984	4302
			P	4.33	4.06	3.75	3.6	3.23
		43°C	Q	6529	5942	5,547	4,562	3,943
			P	4.8	4.49	4.15	3.88	3.47
USMB4400*0	4	32°C	Q	8329	7555	6,627	6,107	5,232
			P	3.96	3.73	3.57	3.43	3.31
		35°C	Q	7942	7,211	6,325	5,844	5,014
			P	4.33	4.07	3.79	3.61	3.46
		38°C	Q	7581	6,891	6,044	5,598	4,812
			P	4.61	4.32	4.02	3.79	3.61
		43°C	Q	6910	6,290	5,514	5,124	4,412
			P	5.18	4.84	4.43	4.15	3.85
USMB4450*0	4 1/2	32°C	Q	9772	8,863	7,255	6,642	5,963
			P	4.75	4.48	4.27	4.17	3.9
		35°C	Q	9318	8,460	6,924	6,356	5,715
			P	5.14	4.84	4.59	4.35	4.13
		38°C	Q	8894	8,085	6,614	6,089	5,484
			P	5.53	5.19	4.91	4.53	4.28
		43°C	Q	8108	7,380	6,036	5,573	5,028
			P	6.21	5.81	5.42	4.89	4.6
USMB4500*0	5	32°C	Q	9946	9,021	8,074	7,029	6,631
			P	5.28	4.98	4.79	4.63	4.39
		35°C	Q	9484	8,612	7,706	6,726	6,355
			P	5.78	5.43	5.12	4.9	4.62
		38°C	Q	9053	8,229	7,362	6,444	6,099
			P	6.17	5.79	5.45	5.18	4.75
		43°C	Q	8252	7,511	6,718	5,897	5,591
			P	6.87	6.43	6.05	5.63	5.16

Q = Capacity (Kcal/h)
P = Consumed power (kW)
Capacities are based on the following conditions:
- Capacity in 60Hz
- Suction temperature: 18.3ºC / Subcooling: 3,2ºC
- To obtain the capacity in BTU/h multiply it by 3.9
- To obtain the capacity in BTU/h divide it by 860
- To obtain the temperature in °F: (Value °C × 1.8)+32 = Value °F

Q = Capacidad (Kcal / h)
P = Energía consumida (kW)
Las capacidades se basan en las siguientes condiciones:
- Capacity in 60Hz
- Temperatura de aspiración: 18,3°C / Subenfriamiento: 3,2°C
- Para obtener la capacidad en BTU / h multiplicar por 3,9
- Para obtener la capacidad en kW dividir por 860
- Para obtener la temperatura en °F: (Value °C × 1.8)+32 = Value °F

Capacity data / Datos de capacidad

Model	HP	Temperature Ambiente		Cold storage capacity / Capacidad Frigorífica [Kcal/h] Evaporation temperature / Temperatura de Evaporación [°C]					
				10°C	5°C	0°C	-5°C	-10°C	-15°C
Copeland Scroll - Low and medium temperature - R-134a									
Copeland Scroll - Baja y media temperatura - R-134a									
USMB4130*0	1 1/3	32°C	Q	2560	2349	2084	1762	1488	1203
			P	1.35	1.24	1.15	1.05	0.95	0.93
		35°C	Q	2434	2233	1,982	1,676	1,415	1,147
			P	1.42	1.3	1.21	1.1	1.01	0.97
		38°C	Q	2315	2124	1,886	1,596	1,347	1,094
			P	1.49	1.37	1.26	1.16	1.06	1.02
		43°C	Q	2105	1931	1,715	1,451	1,224	997
			P	1.62	1.49	1.38	1.27	1.17	1.12
USMB4150*0	1 1/2	32°C	Q	2994	2747	2,436	2,045	1,712	1,383
			P	1.62	1.49	1.38	1.28	1.19	1.11
		35°C	Q	2846	2611	2,317	1,945	1,628	1,318
			P	1.69	1.55	1.44	1.34	1.24	1.15
		38°C	Q	2708	2484	2,205	1,852	1,550	1,257
			P	1.75	1.61	1.49	1.39	1.29	1.2
		43°C	Q	2460	2257	2,005	1,684	1,408	1,146
			P	1.9	1.74	1.6	1.5	1.4	1.29
USMB4200*0	2	32°C	Q	4483	4113	3,648	3,071	2,603	2,174
			P	1.82	1.67	1.55	1.4	1.31	1.24
		35°C	Q	4262	3910	3,470	2,921	2,475	2,072
			P	1.89	1.73	1.61	1.51	1.36	1.28
		38°C	Q	4055	3720	3,303	2,781	2,356	1,977
			P	1.96	1.8	1.67	1.57	1.41	1.32
		43°C	Q	3684	3380	3,002	2,529	2,140	1,801
			P	2.09	1.92	1.78	1.67	1.52	1.41
USMB4300*0	3	32°C	Q	5328	4888	4335	3,693	3,094	2,479
			P	2.42	2.22	2.07	1.92	1.79	1.67
		35°C	Q	5064	4646	4,123	3,514	2,943	2,362
			P	2.56	2.35	2.18	2.03	1.83	1.76
		38°C	Q	4818	4420	3,924	3,345	2,801	2,254
			P	2.7	2.48	2.3	2.15	1.88	1.79
		43°C	Q	4377	4016	3,568	3,042	2,545	2,053
			P	2.98	2.73	2.52	2.31	2.04	1.94
USMB4350*0	3 1/2	32°C	Q	5789	5311	4,711	4,293	3,462	2,886
			P	2.83	2.6	2.42	2.21	2.09	1.92
		35°C	Q	5502	5048	4,480	4,084	3,292	2,751
			P	3.04	2.79	2.59	2.32	2.19	2
		38°C	Q	5235	4803	4264	3888	3133	2624
			P	3.17	2.91	2.7	2.44	2.29	2.03
		43°C	Q	4757	4364	3877	3,536	2,847	2,390
			P	3.44	3.16	2.92	2.66	2.45	2.17
USMB4400*0	4	32°C	Q	6128	5622	4986	4,268	3,889	3,228
			P	3.04	2.79	2.59	2.39	2.21	2.1
		35°C	Q	5825	5344	4,742	4,060	3,698	3,077
			P	3.24	2.97	2.76	2.5	2.31	2.19
		38°C	Q	5542	5084	4,514	3,866	3,520	2,936
			P	3.38	3.1	2.87	2.61	2.41	2.27
		43°C	Q	5035	4619	4,103	3,515	3,198	2,674
			P	3.72	3.41	3.15	2.83	2.62	2.41
USMB4450*0	4 1/2	32°C	Q	7190	6596	5,850	4,672	4,229	3,679
			P	3.64	3.34	3.11	2.85	2.68	2.47
		35°C	Q	6834	6270	5,564	4,445	4,022	3,507
			P	3.85	3.53	3.28	3.02	2.78	2.61
		38°C	Q	6501	5964	5,296	4,231	3,828	3,346
			P	4.05	3.72	3.45	3.19	2.88	2.69
		43°C	Q	5908	5420	4,815	3,848	3,478	3,048
			P	4.46	4.09	3.78	3.46	3.09	2.88
USMB4500*0	5	32°C	Q	7317	6713	5,954	5,200	4,476	4,091
			P	4.04	3.71	3.45	3.2	2.98	2.78
		35°C	Q	6956	6382	5,663	4,947	4,256	3,900
			P	4.33	3.97	3.68	3.37	3.14	2.91
		38°C	Q	6617	6071	5,390	4,710	4,051	3,721
			P	4.53	4.16	3.85	3.54	3.29	2.99
		43°C	Q	6012	5516	4,900	4,282	3,680	3,389
				4.94	4.53	4.18	3.87	3.56	3.23

Q = Capacity (Kcal/h)
P = Consumed power (kW)
Capacities are based on the following conditions:
- Capacity in 60Hz
- Suction temperature: 18.3ºC / Subcooling: 3,2ºC
- To obtain the capacity in BTU/h multiply it by 3.9
- To obtain the capacity in BTU/h divide it by 860
- To obtain the temperature in °F: (Value °C × 1.8)+32 = Value °F

Q = Capacidad (Kcal / h)
P = Energía consumida (kW)
Las capacidades se basan en las siguientes condiciones:
- Capacity in 60Hz
- Temperatura de aspiración: 18,3°C / Subenfriamiento: 3,2°C
- Para obtener la capacidad en BTU / h multiplicar por 3,9
- Para obtener la capacidad en kW dividir por 860
- Para obtener la temperatura en °F: (Value °C × 1.8)+32 = Value °F

Electrical data / Datos eléctricos

Model	Compressor / Compresor											Fans			
	Model	Electrical feature Característica eléctrica			RLA	MCC	LRA	Load of oil/ aceite	Relay Relay	Capacitor Capacitor		Electrical feature elétrica Característica eléctrica			
										Starter Arranque	Run Marcha				
		V	F	Hz	A	A	A	l		µFD/VAC		V	F	Hz	A
Elgin Scroll - Low and medium temperature - R-404A															
Elgin Scroll - Baja y média temperatura - R-404A															
USMB 4200E	SMB 200 E	220	1	60	13.4	13.6	76.0	1.4	RVA3AL6D	161/193-330V	60/440	220	1	60	0.4
USMB 4200 T	SMB 200 T	220	3	60	9.5	11.4	99.0	1.4	-	-	-	220	1	60	0.4
USMB 4200 J	SMB 200 J	380	3	60	5.5	6.6	51.0	1.4	-	-	-	220	1	60	0.4
USMB 4300E	SMB 300 E	220	1	60	14.5	17.4	76.0	1.4	RVA3AL6D	161/193-330V	60/450	220	1	60	0.4
USMB 4300 T	SMB 300 T	220	3	60	10.5	13.8	99.0	1.4	-	-	-	220	1	60	0.4
USMB 4300 J	SMB 300 J	380	3	60	6.9	8.3	51.0	1.4	-	-	-	220	1	60	0.4
USMB 4400E	SMB 400 E	220	1	60	20.8	18.8	76.0	1.4	RVA3AL6D	161/193-330V	60/450	220	1	60	0.4
USMB 4400 T	SMB 400 T	220	3	60	11.9	14.2	99.0	1.4	-	-	-	220	1	60	0.4
USMB 4400 J	SMB 400 J	380	3	60	7.2	8.6	51.0	1.4	-	-	-	220	1	60	0.4
USMB 4500 T	SMB 500 T	220	3	60	17.4	20.8	136.0	1.4	-	-	-	220	1	60	0.8
USMB 4500 J	SMB 500 J	380	3	60	11.2	13.4	69.0	1.4	-	-	-	220	1	60	0.8
USMB 4600 T	SMB 600 T	220	3	60	22.3	26.7	167.0	1.4	-	-	-	220	1	60	0.8
USMB 4600 J	SMB 600 J	380	3	60	14.0	17.0	94.0	1.4	-	-	-	220	1	60	0.8
USMB 4800 T	SMB 800 T	220	3	60	31.9	38.0	241.0	2.7	-	-	-	220	1	60	1.6
USMB 4800 J	SMB 800 J	380	3	60	18.6	22.3	135.0	2.7	-	-	-	220	1	60	1.6
USMB 4102 T	SMB 1000 T	220	3	60	34.3	41.1	290.0	2.7	-	-	-	220	1	60	1.6
USMB 4102 J	SMB 1000 J	380	3	60	22.2	26.6	163.0	2.7	-	-	-	220	1	60	1.6
USMB 4122 T	SMB 1200 T	220	3	60	38.6	55.4	290.0	2.7	-	-	-	220	1	60	6.0
USMB 4122 J	SMB 1200 J	380	3	60	23.2	32.1	163.0	2.7	-	-	-	220	1	60	6.0
USMB 4152 J	SMB 1500 J	380	3	60	29.6	39.4	180.0	3	-	-	-	220	1	60	6.0
USMB 4152 T	SMB 1500 T	220	3	60	39.1	61.0	290.0	3				220	1	60	6.0
Copeland Scroll - Low and medium temperature - R-404A															
Copeland Scroll - Baja y média temperatura - R-404A															
USMB 4130E	ZS09KAEPFV	220	1	60	10.0	14.0	40.3	0.74	RVA2AE2D	88/108 -330V	30/370V	220	1	60	0.4
USMB 4130 T	ZS09KAETF5	220	3	60/50	8.0	11.2	55.4	0.74	-	-	-	220	1	60/50	0.4
USMB 4130 J	ZS09KAETFD	380	3	60/50	3.8	5.3	28.0	0.74	-	-	-	220	1	60/50	0.4
USMB 4150E	ZS11KAEPFV	220	1	60	12.6	17.7	55.0	0.74	RVA2AE2D	88/108 -330V	30/370V	220	1	60	0.4
USMB 4150 T	ZS11KAETF5	220	3	60/50	10.4	15.5	58.0	0.74	-	-	-	220	1	60/50	0.4
USMB 4150 J	ZS11KAETFD	380	3	60/50	3.8	6.0	28.0	0.74	-	-	-	220	1	60/50	0.4
USMB 4200E	ZS15KAEPFV	220	1	60	14.9	22.0	68.0	0.74	RVA2AE2D	88/108 -330V	40/440V	220	1	60	0.4
USMB 4200 T	ZS15KAETF5	220	3	60/50	10.6	14.9	58.0	0.74	-	-	-	220	1	60/50	0.4
USMB 4200 J	ZS15KAETFD	380	3	60/50	4.6	6.5	29.0	0.74	-	-	-	220	1	60/50	0.4
USMB 4300E	ZS19KAEPFV	220	1	60	18.0	25.2	75.0	0.74	RVA2AE2D	88/108 -330V	45/440V	220	1	60	0.4
USMB 4300 T	ZS19KAETF5	220	3	60/50	13.7	19.2	73.0	0.74	-	-	-	220	1	60/50	0.4
USMB 4300 J	ZS19KAETFD	380	3	60/50	6.5	9.1	38.0	0.74	-	-	-	220	1	60/50	0.4
USMB 4350E	ZS21KAEPFV	220	1	60	23.2	32.5	112.0	0.74	RVA2AE2D	88/108 -330V	60/440V	220	1	60	0.4
USMB 4350 T	ZS21KAETF5	220	3	60/50	15.3	21.3	93.0	0.74	-	-	-	220	1	60/50	0.4
USMB 4350 J	ZS21KAETFD	380	3	60/50	6.9	9.7	48.0	0.74	-	-	-	220	1	60/50	0.4
USMB 4400E	ZS26KAEPFV	220	1	60	23.6	33.0	104.0	1.24	RVA2AE2D	88/108 -330V	60/440V	220	1	60	0.4
USMB 4400 T	ZS26KAETF5	220	3	60/50	15.5	21.7	93.0	1.24	-	-	-	220	1	60/50	0.4
USMB 4400 J	ZS26KAETFD	380	3	60/50	6.9	9.6	48.0	1.24	-	-	-	220	1	60/50	0.4
USMB 4450E	ZS29KAEPFV	220	1	60	26.1	36.5	137.0	1.24	RVA2AE2D	88/108 -330V	60/440V	220	1	60	0.8
USMB 4450 T	ZS29KAETF5	220	3	60/50	20.5	28.7	114.0	1.24	-	-	-	220	1	60/50	0.8
USMB 4450 J	ZS29KAETFD	380	3	60/50	9.4	13.1	58.0	1.24	-	-	-	220	1	60/50	0.8
USMB 4500E	ZS33KAEPFV	220	1	60	28.2	39.5	146.0	1.24	RVA2AE2D	88/108 -330V	82/440V	220	1	60	0.8
USMB 4500 T	ZS33KAETF5	220	3	60/50	19.3	31.2	114.0	1.24	-	-	-	220	1	60/50	0.8
USMB 4500 J	ZS33KAETFD	380	3	60/50	10.0	14.0	52.0	1.24	-	-	-	220	1	60/50	0.8

For items whose frequency is 60/50Hz, the data refers to 60Hz
RLA = Compressor rated current
LRA = Compressor blocker rotor current
MCC = Compressor maximum operational current
Oil load to the compressor in the case of maintenance
Óleo Poliol Éster ISO 32 = R-404A

Para elementos cuya frecuencia es 60/50Hz, los datos son relativos a 60Hz
RLA = Corriente nominal del compresor
LRA = Corriente del rotor bloqueada del compresor
MCC = Corriente máxima de funcionamiento del compresor
Carga de aceite para el compresor en caso de mantenimiento
Aceite Poliol Éster ISO 32 = R-404A

Physical data / Datos físicos

Model	Connections Conexiones			Liquid Tank Tanque de Líquido	Noise Level* Nivel de Ruído*	Fans		Condenser
	Liquid Líquido	**Suction** Succión	**Discharge** Descarga			**Diameter** Diámetro	**Quantity** Cantidad	
	″	″	″	l	dB	″		Code
Elgin - Low and medium temperature - R-404A								
Elgin Scroll - Baja y media temperatura - R-404A								
USMB 4200	3/8	7/8	1/2	4.0	70	350	1	CDE2793
USMB 4300	3/8	7/8	1/2	4.0	71	350	1	CDE2830
USMB 4400	3/8	7/8	1/2	4.0	73	350	1	CDE2840
USMB 4500	1/2	7/8	1/2	6.0	73	350	2	CDE2860
USMB 4600	1/2	7/8	1/2	6.0	75	350	2	CDE2900
USMB 4800	5/8	11/8	7/8	13.0	79	350	4	CDE2812
USMB 4102	5/8	11/8	7/8	13.0	79	350	4	CDE2812
USMB 4122	5/8	11/8	7/8	14.0	81	450	4	CDE0746
USMB 4152	5/8	13/8	7/8	14.0	81	450	4	CDE0746
Copeland Scroll - Low and medium temperature - R-404A								
Copeland Scroll - Media y baja temperatura - R-404A								
USMB 4130	3/8	3/4	1/2	2.5	68	350	1	CDE2571
USMB 4150	3/8	3/4	1/2	2.5	68	350	1	CDE2781
USMB 4200	3/8	3/4	1/2	4.0	70	350	1	CDE2793
USMB 4300	3/8	3/4	1/2	4.0	71	350	1	CDE2830
USMB 4350	3/8	7/8	1/2	4.0	71	350	1	CDE2840
USMB 4400	3/8	7/8	1/2	4.0	73	350	1	CDE2840
USMB 4450	1/2	7/8	1/2	6.0	73	350	2	CDE2860
USMB 4500	1/2	7/8	1/2	6.0	73	350	2	CDE2860

Noise Level [dB] measured at 3 meters of distance, according to the standard.
The noise data above are typical for open field. The Condensing Units are cooled with horizontal air flow, the noise level is considered for air discharge. For reflexive conditions in the installation, the noise level can be significantly increased. Pay attention to the indoor applications, close to walls and background noise in the environment.

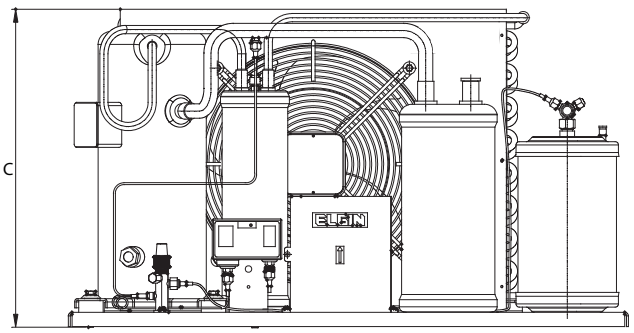
Nivel de Ruido [dB] medido a 3 metros de distancia, conforme norma. Los datos de ruido anteriores son típicos para campo abierto.Las unidades de condensación están refrigeradas por aire con un flujo horizontal, el nivel de ruido se considera en la descarga de aire.Para condiciones reflectantes en la instalación, el nivel de ruido puede aumentar significativamente. Atención en aplicaciones en entornos cerrados, cerca de paredes y ruido de fondo en el entorno.

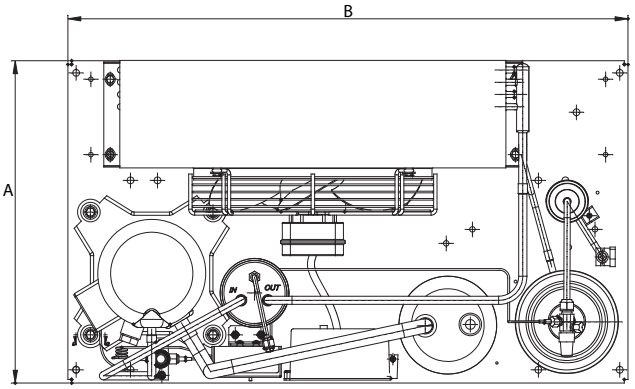
Noise level correction value due to the distance
Valor de corrección del nivel de ruido en función de la distancia

Distance / Distancia	5 m	10 m	15 m	20 m
Subtract / Sustraer	3db (A)	6 db (A)	10 db (A)	12 db (A)

Dimensional data and weight / Datos dimensionales y peso

Model	Dimension / Dimension							
	Without packaging Sin embalaje			With packaging Con embalaje			Weight	
	Width Ancho **A**	**Length** Largo **B**	**Height** Altura **C**	**Width** Ancho **A**	**Length** Largo **B**	**Height** Altura **C**	**Liquid** Neto	**Gross** Bruto
	mm	mm	mm	mm	mm	mm	kg	kg
Elgin Scroll - Low and medium temperature - R-404A								
Elgin Scroll - Baja y media temperatura - R-4O4A								
USMB 4200	870	500	479	940	625	655	90.0	99
USMB 4300	870	500	543	940	625	655	95.0	104.5
USMB 4400	870	500	696	940	625	810	98.0	107.8
USMB 4500	1,308	500	544	1,380	655	650	105.0	115.5
USMB 4600	1,308	530	544	1,380	655	650	105.0	115.5
USMB 4800	1,098	660	923	1,200	800	1,090	162.0	178.2
USMB 4102	1,098	660	923	1,200	800	1,090	164.0	180.4
USMB 4122	1,308	660	1,189	1,365	715	1,310	196.0	215.6
USMB 4152	1,308	660	1,189	1,370	720	1,240	232.0	255.2
Copeland Scroll - Low and medium temperature - R-4O4A								
Copeland Scroll - Media y baja temperatura - R-4O4A								
USMB 4130	700	480	436	770	605	600	55.0	60.5
USMB 4150	700	480	436	770	605	600	56.0	61.6
USMB 4200	870	500	479	940	625	655	90.0	99
USMB 4300	870	500	543	940	625	655	95.0	104.5
USMB 4350	870	500	696	940	625	810	98.0	107.8
USMB 4400	870	500	696	940	625	810	98.0	107.8
USMB 4450	1,308	530	544	1,380	655	650	105.0	115.5
USMB 4500	1,308	530	544	1,380	655	650	105.0	115.5





ES
Silent Condensing Unit
Unidad condensadora silenciosa

Elgin's ES Condensing Units were developed for applications where the noise level and energy consumption must be as low as possible.
Equipped with acoustic insulation fairing, they have high refrigeration performance, low energy consumption, ease of installation and reduced maintenance requirements. They are resistant, compact, robust, silent and ready to work with multiple refrigerant fluids.

Las Unidades Condensadoras Elgin modelo ES fueron desarrolladas para aplicaciones en las cuales el nivel de ruido y el consumo de energía deben de ser minimizados. Dotadas de carenado con aislamiento acústico, bajo consumo de energía, facilidad de instalación y reducida necesidad de mantenimiento. Los modelos con compresor Scroll Copeland están preparados para trabajar con multi refrigerantes.

Capacity Capacidad	631 → 29.901 kcal/h
Application Aplicación	10°C → -30°C
Commercial reference Referencia comercial	1. 1/4 → 10 HP
Compressor brand Marca de compresor	Elgin (TCM/TCB/ECM/ECB/SMB) Copeland (CR/CF/ZS)
Compressor type Tipo de compresor	Alternativo/Reciproco Scroll
Coolant Fluido refrigerante	R-22 / R-404A / R-134a R-448A / R-449A / R-507
Structure Estructura	With fairing and white paintCon carenado y pintura blanca
Electrical feature Característica eléctrica	220V-1F-60Hz 220V-1F-50Hz 220V-3F-50/60Hz 380V-3F-50/60Hz
Condenser	Aluminum fin and copper tube Aleta de aluminio y tubo de cobre

Access the website

Version / Versión: 11/2022

Nomenclature

ES	M	2	300	E	T	I
Product Producto	**Application** Aplicación	**Fluid** Refrigerant	**Model** Modelo	**Voltage** Voltaje	**Identification** Identificación	**Compressor** Compresor
ES	**M:** **High/Medium Temperature/ Alta/Media Temperatura** **B:** **Low Temperature/ Baja Temperatura** **E:** **Low/Medium Temperature/ Baja/Media Temperatura**	**2:** **R-22** **4:** **R-404A**	**100** **125** **130** **140** **150** **200** **212** **250** **300** **350** **375** **400** **450** **500** **550** **600** **800** **Example** **Ejemplo** **100 / 100 = 1HP**	**E:** **220V-1F 60 Hz** **H:** **220V-1F 50 Hz** **T:** **220V-3F 50/60Hz** **J:** **380V-3F 50/60Hz**	**T:** **Internal Code Elgin** **C:** **Internal Internal Code Elgin**	**E:** **Elgin Alternative National/ Elgin Recíproco Nacional** **C:** **Elgin Alternative Imported/ Elgin Recíproco Importado** **V:** **Elgin Scroll Importado** **I:** **Copeland Scroll India (Multi-fluid)** **0:** **Copeland Scroll USA (Multi-fluid)**

Environment Temperature correction value due to the altitude
Valor de corrección de la Temperatura Ambiente en función de la altitud

Refer to the capacity table and add the values at the ambient temperature, according to the corresponding altitude found in the table below:
Consultar la tabla de capacidades y sumar los valores a temperatura ambiente, según la altitud que se encuentra en la siguiente tabla:

Installation altitude (Sea level) Altitud de instalación (nivel del mar)	Add to the Ambient Temperature °C Añadir a Temperatura Ambiente °C
1000 m	0
2000 m	3
3000 m	5
4000 m	7
5000 m	10

Fairing Kit / Kit Carenado

Fairing Kit Kit Carenado	Fairing Carenado	Oil separator Separador de Aceite	Liquid separator Liquid separator	Application Aplicación (ESE / ESB)
KSC1500300	BASEKSC370	SOE012S	SLE034S	1 1/3 HP to 3 HP
KSC3500400	BASEKSC540	SOE058S	SLE078S	3 1/2 HP to 4 HP
KSC5000000	BASEKSC540	SOE058S	SLE118S	5 HP to 5 1/2 HP
KSC7001000	BASEKSC540	SOE078S	SLE118S	7 HP to 10 HP

Capacity data / Datos de capacidad

Model	HP	Ambient temperature		Refrigerator Capacity / Capacidad Frigorífica [Kcal/h] Evaporation Temperature / Temperatura de Evaporación [°C]					
				10°C	5°C	0°C	-5°C	-10°C	-15°C
Elgin Alternative - High and medium temperature - R-22									
Elgin Recíproco - Alta y media temperatura - R-22									
ESM2125**E	1 1/4	32°C	Q	-	-	2,439	2,205	1,685	1,251
			P	-	-	0.90	0.82	0.74	0.66
		35°C	Q	-	-	2,301	2,080	1,590	1,180
			P	-	-	0.96	0.87	0.78	0.70
		38°C	Q	-	-	2,162	1,955	1,494	1,109
			P	-	-	1.01	0.92	0.83	0.75
		43°C	Q	-	-	1,933	1,747	1,336	991
			P	-	-	1.12	1.01	0.91	0.82
ESM2200**C	2	32°C	Q	6,527	5,710	4,706	3,991	3,151	2,319
			P	2.6	2.4	2.2	2.0	1.8	1.6
		35°C	Q	6,157	5,387	4,439	3,465	2,973	2,188
			P	2.8	2.5	2.3	2.1	1.9	1.7
		38°C	Q	5,787	5,063	4,172	3,257	2,794	2,056
			P	3.0	2.7	2.4	2.2	2.0	1.8
		43°C	Q	5,172	4,525	3,729	3,162	2,497	1,838
			P	3.3	3.0	2.7	2.4	2.2	2.0
ESM2300**C	3	32°C	Q	10,437	9,048	7,743	6,238	5,155	3,735
			P	3.4	3.1	2.8	2.5	2.3	2.1
		35°C	Q	9,846	8,536	7,305	5,885	4,863	3,523
			P	3.6	3.3	3.0	2.7	2.4	2.2
		38°C	Q	9,255	8,024	6,867	5,532	4,571	3,312
			P	3.8	3.5	3.1	2.9	2.6	2.3
		43°C	Q	8,271	7,170	6,136	4,944	4,085	2,959
			P	4.2	3.8	3.5	3.1	2.8	2.6
ESM2350**C	3 1/2	32°C	Q	12,390	10,044	8,404	6,572	5,608	4,039
			P	3.9	3.5	3.2	2.9	2.6	2.4
		35°C	Q	11,689	9,475	7,927	6,201	5,291	3,810
			P	4.1	3.8	3.4	3.1	2.8	2.5
		38°C	Q	10,988	8,907	7,451	5,829	4,974	3,581
			P	4.4	4.0	3.6	3.3	3.0	2.7
		43°C	Q	9,819	7,958	6,659	5,208	4,443	3,200
			P	4.8	4.4	4.0	3.6	3.3	2.9
ESM2400**C	4	32°C	Q	13,298	10,402	9,571	8,181	6,328	4,647
			P	5.1	4.7	4.2	3.9	3.5	3.1
		35°C	Q	12,613	10,193	8,822	7,663	6,018	4,453
			P	5.5	5.0	4.5	4.1	3.7	3.3
		38°C	Q	11,856	9,581	8,293	7,203	5,657	4,186
			P	5.8	5.3	4.8	4.3	3.9	3.5
		43°C	Q	10,487	8,562	7,411	6,448	5,043	3,769
			P	6.4	5.8	5.3	4.8	4.3	3.9
ESM2500**C	5	32°C	Q	17,794	14,281	12,361	10,793	8,424	6,196
			P	5.9	5.3	4.9	4.4	4.0	3.6
		35°C	Q	16,786	13,473	11,611	10,182	7,947	5,846
			P	6.3	5.7	5.2	4.7	4.2	3.8
		38°C	Q	15,779	12,665	10,914	9,571	7,470	5,495
			P	6.6	6.0	5.5	5.0	4.5	4.0
		43°C	Q	14,101	11,317	9,796	8,553	6,676	4,910
			P	7.3	6.6	6.0	5.5	4.9	4.4
ESM2600**C	6	32°C	Q	21,836	19,292	15,921	12,561	10,816	7,823
			P	8.5	7.7	7.0	6.4	5.8	5.2
		35°C	Q	20,600	18,200	15,020	11,850	10,200	7,380
			P	9.1	8.2	7.5	6.8	6.1	5.5
		38°C	Q	19,364	17,108	14,119	11,139	9,588	6,937
			P	9.6	8.7	7.9	7.2	6.5	5.8
		43°C	Q	17,304	15,255	12,617	9,954	6,570	6,199
			P	10.6	9.6	8.7	7.9	7.1	6.4

Q = Capacity (Kcal/h)
P = Consumed Power (kW)
Capacities are based on the following conditions:
- Suction temperature: 18.3ºC / Subcooling: 3.2ºC
- Capacity at 60Hz, if 50Hz multiply it by 0.83
- To obtain the capacity in BTU/h, multiply it by 3.9
- To obtain the capacity in BTU/h, divide it by 860
- To obtain the temperature in °F: (Value °C × 1.8)+32 = Value °F

Q = Capacidad (Kcal/h)
P = Energía consumida (kW)
Las capacidades se basan en las siguientes condiciones:
- Temperatura de aspiración: 18,3°C / Subenfriamiento: 3.2°C
- Capacidad a 60Hz, para 50Hz multiplicar por 0.83
- Para obtener la capacidad en BTU / h multiplicar por 3.9
- Para obtener la capacidad en kW dividir por 860
- Para obtener la temperatura en °F: (Value °C × 1.8)+32 = Value °F

Capacity data / Datos de capacidad

Model	HP	Temperatura Ambiente		Refrigerator Capacity / Capacidad Frigorífica [Kcal/h] Evaporation Temperature / Temperatura de Evaporación [°C]					
				10°C	5°C	0°C	-5°C	-10°C	-15°C
Copeland Alternative - High and medium temperature - R-22									
Copeland Recíproco - Alta y media temperatura - R-22									
ESM2150**I/0	1 1/2	32°C	Q	5,107	4,311	3,774	3,041	2,450	1,836
			P	1.8	1.6	1.4	1.3	1.2	1.1
		35°C	Q	4,818	4,067	3,360	2,869	2,311	1,732
			P	1.9	1.7	1.5	1.4	1.3	1.1
		38°C	Q	4,528	3,822	3,158	2,696	2,172	1,628
			P	2.0	1.8	1.6	1.5	1.3	1.2
		43°C	Q	4,047	3,416	2,990	2,410	1,941	1,455
			P	2.2	2.0	1.8	1.6	1.5	1.3
ESM2200**I	2	32°C	Q	6,687	5,732	4,859	4,012	3,221	2,284
			P	2.6	2.4	2.2	2.0	1.8	1.6
		35°C	Q	6,309	5,408	4,584	3,785	3,039	2,155
			P	2.8	2.5	2.3	2.1	1.9	1.7
		38°C	Q	5,930	5,083	4,308	3,557	2,856	2,025
			P	3.0	2.7	2.4	2.2	2.0	1.8
		43°C	Q	5,299	4,542	3,850	3,180	2,552	1,810
			P	3.3	3.0	2.7	2.4	2.2	2.0
ESM2300**I	3	32°C	Q	10,988	9,524	8,150	6,567	5,426	3,932
			P	3.6	3.3	3.0	2.7	2.5	2.2
		35°C	Q	10,364	8,985	7,689	6,195	5,119	3,709
			P	3.9	3.5	3.2	2.9	2.6	2.3
		38°C	Q	9,742	8,445	7,227	5,823	4,811	3,486
			P	4.1	3.7	3.4	3.1	2.8	2.5
		43°C	Q	8,706	7,547	6,459	5,204	4,300	3,116
			P	4.5	4.1	3.7	3.4	3.0	2.7
ESM2350**I/0	3 1/2	32°C	Q	12,192	9,883	8,270	6,601	5,518	3,974
			P	3.9	3.5	3.2	2.9	2.6	2.4
		35°C	Q	11,502	9,323	7,800	6,228	5,206	3,749
			P	4.1	3.8	3.4	3.1	2.8	2.5
		38°C	Q	10,812	8,764	7,332	5,854	4,894	3,524
			P	4.4	4.0	3.6	3.3	3.0	2.7
		43°C	Q	9,622	7,831	6,552	5,231	4,372	3,149
			P	4.8	4.4	4.0	3.6	3.3	2.9
ESM2400**I	4	32°C	Q	13,174	10,375	9,546	8,009	6,311	4,635
			P	5.0	4.5	4.1	3.8	3.4	3.0
		35°C	Q	12,580	10,166	8,799	7,502	6,002	4,441
			P	5.3	4.8	4.4	4.0	3.6	3.2
		38°C	Q	11,825	9,556	8,271	7,052	5,642	4,175
			P	5.6	5.1	4.7	4.2	3.8	3.4
		43°C	Q	10,460	8,540	7,392	6,313	5,030	3,759
			P	6.2	5.6	5.1	4.7	4.2	3.8
ESM2500**I	5	32°C	Q	17,974	14,427	12,487	10,665	8,510	6,905
			P	6.5	5.9	5.4	4.9	4.4	4.0
		35°C	Q	16,957	13,610	11,780	10,061	8,028	6,259
			P	6.9	6.3	5.7	5.2	4.7	4.2
		38°C	Q	15,940	12,793	11,073	9,457	7,546	5,883
			P	7.3	6.7	6.1	5.5	5.0	4.5
		43°C	Q	14,244	11,432	9,895	8,451	6,744	4,960
			P	8.1	7.3	6.7	6.1	5.5	4.9

Q = Capacity (Kcal/h)
P = Consumed Power (kW)
Capacities are based on the following conditions:
- Suction temperature: 18.3ºC / Subcooling: 3.2ºC
- Capacity at 60Hz, if 50Hz multiply it by 0.83
- To obtain the capacity in BTU/h, multiply it by 3.9
- To obtain the capacity in BTU/h, divide it by 860
- To obtain the temperature in °F: (Value °C × 1.8)+32 = Value °F

Q = Capacidad (Kcal/h)
P = Energía consumida (kW)
Las capacidades se basan en las siguientes condiciones:
- Temperatura de aspiración: 18,3°C / Subenfriamiento: 3.2°C
- Capacidad a 60Hz, para 50Hz multiplicar por 0.83
- Para obtener la capacidad en BTU / h multiplicar por 3.9
- Para obtener la capacidad en kW dividir por 860
- Para obtener la temperatura en °F: (Value °C × 1.8)+32 = Value °F

Capacity data / Datos de capacidad

Model	HP	Temperatura		Refrigerator Capacity / Capacidad Frigorífica [Kcal/h] Evaporation Temperature / Temperatura de Evaporación [°C]					
				10°C	5°C	0°C	-5°C	-10°C	-15°C
Elgin Alternative - Medium temperature - R-404A									
Elgin Recíproco - Media temperatura - R-404A									
ESM4130**E	1 1/3	32°C	Q	-	-	2,560	2,233	1,866	1,495
			P	-	-	0.95	0.86	0.78	0.71
		35°C	Q	-	-	2,415	2,107	1,760	1,410
			P	-	-	1.01	0.92	0.83	0.75
		38°C	Q	-	-	2,270	1,980	1,654	1,325
			P	-	-	1.07	0.98	0.88	0.80
		43°C	Q	-	-	2,029	1,770	1,478	1,184
			P	-	-	1.18	1.08	0.97	0.88
ESM4140**E	1 1/3 +	32°C	Q	-	-	2,756	2,440	1,998	1,645
			P	-	-	1.4	1.3	1.2	1.1
		35°C	Q	-	-	2,600	2,302	1,884	1,551
			P	-	-	1.5	1.4	1.3	1.1
		38°C	Q	-	-	2,444	2,164	1,771	1,458
			P	-	-	1.6	1.5	1.4	1.2
		43°C	Q	-	-	2,392	2,117	1,734	1,427
			P	-	-	1.8	1.7	1.5	1.3
ESM4150**C	1 1/2	32°C	Q	5,362	4,527	3,963	3,193	2,573	1,928
			P	1.9	1.7	1.6	1.4	1.3	1.1
		35°C	Q	5,059	4,270	3,528	3,012	2,427	1,819
			P	2.0	1.8	1.7	1.5	1.4	1.2
		38°C	Q	4,755	4,014	3,316	2,831	2,281	1,710
			P	2.1	1.9	1.8	1.6	1.5	1.3
		43°C	Q	4,249	3,587	3,140	2,531	2,038	1,528
			P	2.3	2.1	2.0	1.8	1.7	1.4
ESM4200**C	2	32°C	Q	6,853	5,996	4,941	4,191	3,309	2,435
			P	2.8	2.5	2.3	2.1	1.9	1.7
		35°C	Q	6,465	5,656	4,661	3,638	3,122	2,297
			P	2.9	2.7	2.4	2.2	2.0	1.8
		38°C	Q	6,077	5,317	4,381	3,420	2,935	2,159
			P	3.2	3.0	2.6	2.4	2.2	2.0
		43°C	Q	5,431	4,751	3,915	3,320	2,622	1,930
			P	3.5	3.3	2.9	2.6	2.4	2.2
ESM4250**C	2 1/2	32°C	Q	8,906	7,748	6,536	5,370	4,361	3,178
			P	3.1	2.8	2.6	2.4	2.1	1.9
		35°C	Q	8,402	7,310	6,166	4,909	4,114	2,998
			P	3.3	3.0	2.8	2.5	2.3	2.0
		38°C	Q	7,898	6,871	5,796	4,614	3,867	2,818
			P	3.6	3.3	3.1	2.8	2.5	2.2
		43°C	Q	7,058	6,140	5,179	4,256	3,456	2,518
			P	4.0	3.6	3.4	3.1	2.8	2.4
ESM4300**C	3	32°C	Q	10,959	9,500	8,130	6,550	5,413	3,922
			P	3.4	3.1	2.8	2.5	2.3	2.1
		35°C	Q	10,338	8,963	7,670	6,179	5,106	3,699
			P	3.6	3.3	3.0	2.7	2.4	2.2
		38°C	Q	9,718	8,425	7,210	5,808	4,800	3,477
			P	4.0	3.6	3.3	3.0	2.6	2.4
		43°C	Q	8,685	7,529	6,443	5,191	4,289	3,107
			P	4.4	4.0	3.6	3.3	2.9	2.6

Q = Capacity (Kcal/h)
P = Consumed Power (kW)
Capacities are based on the following conditions:
- Suction temperature: 18.3ºC / Subcooling: 3.2ºC
- Capacity at 60Hz, if 50Hz multiply it by 0.83
- To obtain the capacity in BTU/h, multiply it by 3.9
- To obtain the capacity in BTU/h, divide it by 860
- To obtain the temperature in °F: (Value °C × 1.8)+32 = Value °F

Q = Capacidad (Kcal/h)
P = Energía consumida (kW)
Las capacidades se basan en las siguientes condiciones:
- Temperatura de aspiración: 18,3°C / Subenfriamiento: 3.2°C
- Capacidad a 60Hz, para 50Hz multiplicar por 0.83
- Para obtener la capacidad en BTU / h multiplicar por 3.9
- Para obtener la capacidad en kW dividir por 860
- Para obtener la temperatura en °F: (Value °C × 1.8)+32 = Value °F

Capacity data / Datos de capacidad

Model	HP	Temperatura		Refrigerator Capacity / Capacidad Frigorífica [Kcal/h] Evaporation Temperature / Temperatura de Evaporación [°C]					
				10°C	5°C	0°C	-5°C	-10°C	-15°C
Elgin Alternative - Medium temperature - R-404A									
Elgin Recíproco - Media temperatura - R-404A									
ESM4350**C	3 1/2	32°C	Q	13,010	10,546	8,824	6,901	5,888	4,241
			P	3.9	3.5	3.2	2.9	2.6	2.4
		35°C	Q	12,273	9,949	8,323	6,511	5,556	4,001
			P	4.1	3.8	3.4	3.1	2.8	2.5
		38°C	Q	11,537	9,352	7,824	6,120	5,223	3,761
			P	4.5	4.2	3.7	3.4	3.1	2.8
		43°C	Q	10,310	8,356	6,992	5,468	4,665	3,360
			P	5.0	4.6	4.1	3.7	3.4	3.1
ESM4375**C	3 3/4	32°C	Q	13,486	10,734	9,437	7,745	6,266	4,560
			P	4.5	4.1	3.7	3.4	3.0	2.7
		35°C	Q	12,759	10,326	8,793	7,279	5,937	4,339
			P	4.8	4.4	4.0	3.6	3.2	2.9
		38°C	Q	11,993	9,706	8,265	6,842	5,581	4,079
			P	5.3	4.8	4.4	4.0	3.5	3.2
		43°C	Q	10,661	8,673	7,387	6,119	4,980	3,659
			P	5.8	5.3	4.8	4.4	3.9	3.5
ESM4400**C	4	32°C	Q	13,963	10,922	10,050	8,590	6,644	4,879
			P	5.1	4.7	4.2	3.9	3.5	3.1
		35°C	Q	13,244	10,703	9,263	8,046	6,319	4,676
			P	5.5	5.0	4.5	4.1	3.7	3.3
		38°C	Q	12,449	10,061	8,707	7,563	5,940	4,395
			P	6.1	5.5	5.0	4.5	4.1	3.6
		43°C	Q	11,011	8,990	7,782	6,770	5,295	3,957
			P	6.7	6.1	5.5	5.0	4.5	4.0
ESM4500**C	5	32°C	Q	18,684	14,995	12,979	11,333	8,845	6,506
			P	6.1	5.6	5.1	4.6	4.1	3.7
		35°C	Q	17,625	14,147	12,192	10,691	8,344	6,138
			P	6.5	5.9	5.4	4.9	4.4	4.0
		38°C	Q	16,568	13,298	11,460	10,050	7,843	5,770
			P	7.2	6.5	5.9	5.4	4.8	4.4
		43°C	Q	14,806	11,883	10,286	8,981	7,010	5,156
			P	7.9	7.2	6.5	5.9	5.3	4.8
ESM4550**C	5 1/2	32°C	Q	20,806	17,626	14,848	12,261	10,101	7,360
			P	7.4	6.7	6.1	5.5	5.0	4.5
		35°C	Q	19,628	16,628	13,981	11,567	9,527	6,944
			P	7.9	7.1	6.5	5.9	5.3	4.8
		38°C	Q	18,450	15,630	13,142	10,873	8,955	6,527
			P	8.7	7.8	7.2	6.5	5.8	5.3
		43°C	Q	16,488	13,950	11,767	9,716	6,954	6,685
			P	9.6	8.6	7.9	7.2	6.4	5.8
ESM4600**C	5	32°C	Q	22,928	20,257	16,717	13,189	11,357	8,214
			P	8.5	7.7	7.0	6.4	5.8	5.2
		35°C	Q	21,630	19,110	15,771	12,442	10,710	7,749
			P	9.1	8.2	7.5	6.8	6.1	5.5
		38°C	Q	20,332	17,963	14,825	11,695	10,067	7,284
			P	10.0	9.0	8.3	7.5	6.7	6.1
		43°C	Q	18,169	16,018	13,248	10,451	6,899	6,509
			P	11.0	9.9	9.1	8.3	7.4	6.7

Q = Capacity (Kcal/h)
P = Consumed Power (kW)
Capacities are based on the following conditions:
- Suction temperature: 18.3ºC / Subcooling: 3.2ºC
- Capacity at 60Hz, if 50Hz multiply it by 0.83
- To obtain the capacity in BTU/h, multiply it by 3.9
- To obtain the capacity in BTU/h, divide it by 860
- To obtain the temperature in °F: (Value °C × 1.8)+32 = Value °F

Q = Capacidad (Kcal/h)
P = Energía consumida (kW)
Las capacidades se basan en las siguientes condiciones:
- Temperatura de aspiración: 18,3°C / Subenfriamiento: 3.2°C
- Capacidad a 60Hz, para 50Hz multiplicar por 0.83
- Para obtener la capacidad en BTU / h multiplicar por 3.9
- Para obtener la capacidad en kW dividir por 860
- Para obtener la temperatura en °F: (Value °C × 1.8)+32 = Value °F

Capacity data / Datos de capacidad

Model	HP	Temperatura		Refrigerator Capacity / Capacidad Frigorífica [Kcal/h] Evaporation Temperature / Temperatura de Evaporación [°C]					
				10°C	5°C	0°C	-5°C	-10°C	-15°C
Elgin Alternative - Medium temperature - R-22									
Elgin Recíproco - Media temperatura - R-22									
ESM4150**C	1 1/2	32°C	Q	4,425	4,060	3,514	2,821	2,243	1,673
			P	1.67	1.53	1.41	1.39	1.3	1.27
		35°C	Q	4,235	3,885	3,177	2,702	2,154	1,610
			P	1.81	1.66	1.53	1.5	1.39	1.35
		38°C	Q	4,042	3,708	3,035	2,582	2,063	1,545
			P	1.94	1.78	1.64	1.61	1.48	1.43
		43°C	Q	3,685	3,381	2,936	2,357	1,888	1,416
			P	2.17	1.99	1.85	1.81	1.66	1.6
ESM4200**C	2	32°C	Q	5,862	5,378	4,381	3,703	2,884	2,114
			P	2.46	2.26	2.07	2	1.95	1.85
		35°C	Q	5,609	5,146	4,197	3,264	2,770	2,033
			P	2.62	2.4	2.29	2.12	2.04	1.92
		38°C	Q	5,354	4,912	4,010	3,119	2,654	1,951
			P	2.95	2.71	2.59	2.32	2.22	2.09
		43°C	Q	4,881	4,478	3,660	3,091	2,429	1,789
			P	3.29	3.02	2.91	2.62	2.4	2.25
ESM4250**C	2 1/2	32°C	Q	7,574	6,949	5,795	4,745	3,801	2,758
			P	2.73	2.5	2.32	2.26	2.22	2.05
		35°C	Q	7,249	6,650	5,552	4,404	3,651	2,653
			P	2.98	2.73	2.55	2.47	2.31	2.21
		38°C	Q	6,919	6,348	5,306	4,208	3,497	2,546
			P	3.31	3.04	2.85	2.77	2.59	2.38
		43°C	Q	6,308	5,787	4,842	3,963	3,201	2,334
			P	3.76	3.45	3.17	3.07	2.86	2.63
ESM4300**C	3	32°C	Q	9,287	8,520	7,209	5,788	4,718	3,404
			P	2.99	2.74	2.57	2.44	2.32	2.24
		35°C	Q	8,888	8,154	6,906	5,544	4,531	3,274
			P	3.25	2.98	2.8	2.65	2.5	2.31
		38°C	Q	8,483	7,783	6,600	5,297	4,341	3,141
			P	3.68	3.38	3.11	2.95	2.77	2.47
		43°C	Q	7,735	7,096	6,024	4,833	3,972	2,880
				4.14	3.8	3.52	3.25	3.05	2.72

Q = Capacity (Kcal/h)
P = Consumed Power (kW)
Capacities are based on the following conditions:
- Suction temperature: 18.3ºC / Subcooling: 3.2ºC
- Capacity at 60Hz, if 50Hz multiply it by 0.83
- To obtain the capacity in BTU/h, multiply it by 3.9
- To obtain the capacity in BTU/h, divide it by 860
- To obtain the temperature in °F: (Value °C × 1.8)+32 = Value °F

Q = Capacidad (Kcal/h)
P = Energía consumida (kW)
Las capacidades se basan en las siguientes condiciones:
- Temperatura de aspiración: 18,3°C / Subenfriamiento: 3.2°C
- Capacidad a 60Hz, para 50Hz multiplicar por 0.83
- Para obtener la capacidad en BTU / h multiplicar por 3.9
- Para obtener la capacidad en kW dividir por 860
- Para obtener la temperatura en °F: (Value °C × 1.8)+32 = Value °F

Capacity data / Datos de capacidad

Model	HP	Temperatura		Refrigerator Capacity / Capacidad Frigorífica [Kcal/h] Evaporation Temperature / Temperatura de Evaporación [°C]					
				10°C	5°C	0°C	-5°C	-10°C	-15°C
Elgin Alternative - Medium temperature - R-22									
Elgin Recíproco - Media temperatura - R-22									
ESM4350**C	3 1/2	32°C	Q	10,309	9,458	7,824	6,098	5,133	3,681
			P	2.9	2.82	2.66	2.52	2.41	2.34
		35°C	Q	9,866	9,051	7,494	5,842	4,930	3,541
			P	3.14	3.14	2.88	2.74	2.59	2.4
		38°C	Q	9,418	8,640	7,162	5,581	4,724	3,398
			P	3.49	3.55	3.2	3.04	2.87	2.66
		43°C	Q	8,584	7,875	6,537	5,091	4,321	3,114
			P	3.93	3.97	3.61	3.34	3.14	2.91
ESM4375**C	3 3/4	32°C	Q	10,493	9,627	8,368	6,844	5,462	3,958
			P	3.35	3.31	3.07	2.96	2.78	2.63
		35°C	Q	10,239	9,394	7,917	6,531	5,268	3,840
			P	3.7	3.64	3.39	3.18	2.96	2.79
		38°C	Q	9,774	8,967	7,566	6,240	5,047	3,685
			P	4.14	4.06	3.8	3.57	3.24	3.04
		43°C	Q	8,910	8,174	6,907	5,697	4,613	3,392
			P	4.61	4.58	4.23	3.97	3.6	3.28
ESM4400**C	4	32°C	Q	10,678	9,796	8,911	7,591	5,792	4,235
			P	3.79	3.79	3.48	3.4	3.24	3.02
		35°C	Q	10,613	9,737	8,341	7,219	5,607	4,138
			P	4.16	4.14	3.82	3.62	3.42	3.17
		38°C	Q	10,132	9,295	7,970	6,897	5,372	3,971
			P	4.71	4.65	4.32	4.02	3.79	3.42
		43°C	Q	9,236	8,473	7,276	6,304	4,904	3,668
			P	5.28	5.27	4.84	4.52	4.15	3.75
ESM4500**C	5	32°C	Q	14,659	13,449	11,509	10,014	7,710	5,647
			P	4.61	4.52	4.23	4	3.8	3.61
		35°C	Q	14,029	12,871	10,978	9,592	7,404	5,432
			P	4.99	4.88	4.58	4.32	4.07	3.85
		38°C	Q	13,391	12,285	10,490	9,165	7,093	5,213
			P	5.56	5.49	5.1	4.82	4.44	4.18
		43°C	Q	12,208	11,200	9,617	8,362	6,493	4,779
			P	6.25	6.22	5.73	5.33	4.89	4.51
ESM4550**C	5 1/2	32°C	Q	17,231	15,808	13,166	10,834	8,805	6,388
			P	5.52	5.41	5.06	4.79	4.63	4.39
		35°C	Q	16,490	15,128	12,589	10,378	8,454	6,145
			P	6.01	5.88	5.51	5.21	4.9	4.62
		38°C	Q	15,740	14,440	12,030	9,916	8,099	5,897
			P	6.78	6.59	6.22	5.8	5.36	5.04
		43°C	Q	14,331	13,148	11,002	9,047	6,441	6,196
			P	7.59	7.42	6.96	6.5	5.91	5.44
ESM4600**C	5	32°C	Q	19,803	18,168	14,823	11,654	9,900	7,130
			P	6.33	6.21	5.81	5.57	5.37	5.07
		35°C	Q	18,951	17,386	14,201	11,163	9,503	6,858
			P	6.93	6.79	6.36	6	5.64	5.29
		38°C	Q	18,089	16,595	13,571	10,665	9,105	6,581
			P	7.83	7.61	7.18	6.7	6.19	5.8
		43°C	Q	16,456	15,097	12,387	9,731	6,390	6,033
				8.74	8.55	8.02	7.5	6.83	6.29

Q = Capacity (Kcal/h)
P = Consumed Power (kW)
Capacities are based on the following conditions:
- Suction temperature: 18.3ºC / Subcooling: 3.2ºC
- Capacity at 60Hz, if 50Hz multiply it by 0.83
- To obtain the capacity in BTU/h, multiply it by 3.9
- To obtain the capacity in BTU/h, divide it by 860
- To obtain the temperature in °F: (Value °C × 1.8)+32 = Value °F

Q = Capacidad (Kcal/h)
P = Energía consumida (kW)
Las capacidades se basan en las siguientes condiciones:
- Temperatura de aspiración: 18,3°C / Subenfriamiento: 3.2°C
- Capacidad a 60Hz, para 50Hz multiplicar por 0.83
- Para obtener la capacidad en BTU / h multiplicar por 3.9
- Para obtener la capacidad en kW dividir por 860
- Para obtener la temperatura en °F: (Value °C × 1.8)+32 = Value °F

Capacity data / Datos de capacidad

Model	HP	Temperatura		Refrigerator Capacity / Capacidad Frigorífica [Kcal/h] Evaporation Temperature / Temperatura de Evaporación [°C]			
				-15°C	-20°C	-25°C	-30°C
Elgin Alternative - Low and medium temperature - R-404A							
Elgin Recíproco - Baja y media temperatura - R-404A							
ESB4100**E	1	32°C	Q	1,654	1,325	1,060	837
			P	0.99	0.90	0.82	0.74
		35°C	Q	1,560	1,250	1,000	790
			P	1.05	0.96	0.87	0.78
		38°C	Q	1,466	1,175	940	743
			P	1.11	1.02	0.92	0.83
		43°C	Q	1,310	1,050	840	664
			P	1.22	1.12	1.01	0.91
ESB4150**C	1 1/2	32°C	Q	3,148	2,374	1,790	1,107
			P	1.8	1.5	1.2	1.0
		35°C	Q	2,970	2,240	1,689	1,044
			P	2.0	1.6	1.3	1.2
		38°C	Q	2,792	2,106	1,588	981
			P	2.1	1.7	1.4	1.3
		43°C	Q	2,495	1,881	1,419	877
			P	2.3	1.9	1.5	1.4
ESB4200**C	2	32°C	Q	3,659	2,910	2,006	1,447
			P	2.4	2.1	1.9	1.6
		35°C	Q	3,452	2,745	1,892	1,366
			P	2.6	2.3	2.0	1.7
		38°C	Q	3,245	2,580	1,778	1,284
			P	2.8	2.4	2.1	1.8
		43°C	Q	2,899	2,306	1,589	1,147
			P	3.1	2.6	2.3	2.0
ESB4300**C	3	32°C	Q	5,171	4,091	3,222	2,263
			P	3.4	3.0	2.7	2.4
		35°C	Q	4,879	3,859	3,040	2,135
			P	3.6	3.2	2.9	2.6
		38°C	Q	4,586	3,627	2,858	2,007
			P	3.8	3.4	3.1	2.8
		43°C	Q	4,098	3,242	2,553	1,793
			P	4.2	3.7	3.4	3.1
ESB4400**C	4	32°C	Q	7,448	6,165	4,790	3,687
			P	4.4	4.0	3.7	3.3
		35°C	Q	7,026	5,816	4,519	3,478
			P	4.6	4.3	3.9	3.5
		38°C	Q	6,604	5,467	4,248	3,269
			P	4.9	4.6	4.1	3.7
		43°C	Q	5,902	4,886	3,796	2,922
			P	5.4	5.1	4.5	4.1
ESB4500**C	5	32°C	Q	9,831	7,722	6,301	4,881
			P	5.3	5.1	4.8	4.3
		35°C	Q	8,850	7,285	5,944	4,604
			P	5.7	5.4	5.1	4.6
		38°C	Q	8,319	6,848	5,587	4,328
			P	6.0	5.7	5.4	4.9
		43°C	Q	7,434	6,119	4,993	3,868
			P	6.6	6.3	5.9	5.4
Copeland Alternative - Low and medium temperature - R-404A							
Copeland Recíproco - Baja y media temperatura - R-404A							
ESB4200**0	2	32°C	Q	3,994	3,196	2,502	1,909
			P	2.3	2.1	1.9	1.7
		35°C	Q	3,768	3,015	2,360	1,801
			P	2.4	2.2	2.0	1.8
		38°C	Q	3,542	2,834	2,218	1,693
			P	2.5	2.3	2.1	1.9
		43°C	Q	3,165	2,532	1,892	1,513
			P	2.8	2.5	2.3	2.1
ESB4300**0	3	32°C	Q	5,843	4,623	3,641	2,557
			P	3.1	2.8	2.5	2.3
		35°C	Q	5,513	4,361	3,435	2,412
			P	3.3	3.0	2.7	2.4
		38°C	Q	5,182	4,099	3,229	2,267
			P	3.5	3.2	2.9	2.5
		43°C	Q	4,631	3,663	2,885	2,026
			P	3.9	3.5	3.2	2.8
ESB4400**0	4	32°C	Q	7,330	6,068	4,714	3,629
			P	4.3	3.9	3.6	3.2
		35°C	Q	6,915	5,725	4,448	3,424
			P	4.6	4.2	3.8	3.4
		38°C	Q	6,500	5,382	4,181	3,219
			P	4.9	4.5	4.0	3.6
		43°C	Q	5,809	4,809	3,736	2,876
			P	5.4	5.0	4.4	4.0

Capacity data / Datos de capacidad

Model	HP	Temperatura		Refrigerator Capacity / Capacidad Frigorífica [Kcal/h] Evaporation Temperature / Temperatura de Evaporación [°C]							
				5°C	0°C	-5°C	-10°C	-15°C	-20°C	-25°C	-30°C
Copeland Scroll - Low and medium temperature - R-404A / R-507											
Copeland Scroll - Baja y media temperatura - R-404A / R-507											
ESE4130**0	1 1/3	32°C	Q	4,440	3,766	3,180	2,598	2,075	1,637	1,196	889
			P	1.6	1.5	1.4	1.3	1.2	1.1	1.0	0.9
		35°C	Q	4,174	3,540	2,989	2,442	1,951	1,539	1,124	836
			P	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.0
		38°C	Q	3,924	3,328	2,810	2,295	1,834	1,447	1,057	786
			P	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.1
		43°C	Q	3,463	2,937	2,480	2,026	1,619	1,277	933	693
			P	2.0	1.9	1.8	1.7	1.5	1.4	1.3	1.2
ESE4150**0	1 1/2	32°C	Q	5,007	4,312	3,770	3,004	2,434	1,980	1,599	1,264
			P	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.1
		35°C	Q	4,707	4,053	3,544	2,824	2,288	1,861	1,503	1,188
			P	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.2
		38°C	Q	4,425	3,810	3,331	2,655	2,151	1,749	1,413	1,117
			P	2.1	2.0	1.9	1.8	1.7	1.6	1.5	1.3
		43°C	Q	3,905	3,363	2,941	2,343	1,899	1,544	1,247	986
			P	2.3	2.2	2.1	2.0	1.9	1.8	1.7	1.4
ESE4200**0	2	32°C	Q	6,647	5,875	5,107	4,405	3,746	3,073	2,458	1,994
			P	2.7	2.5	2.3	2.1	2.0	1.8	1.7	1.5
		35°C	Q	6,248	5,523	4,801	4,141	3,521	2,889	2,311	1,874
			P	2.9	2.6	2.4	2.3	2.1	1.9	1.8	1.6
		38°C	Q	5,873	5,192	4,513	3,893	3,310	2,716	2,172	1,762
			P	3.1	2.8	2.5	2.4	2.2	2.0	1.9	1.7
		43°C	Q	5,185	4,583	3,983	3,436	2,922	2,397	1,917	1,555
			P	3.4	3.1	2.8	2.6	2.4	2.2	2.1	1.9
ESE4300**0	3	32°C	Q	7,391	6,593	5,754	4,745	3,999	3,253	2,677	2,136
			P	3.2	2.9	2.7	2.4	2.2	2.0	1.9	1.7
		35°C	Q	6,948	6,197	5,409	4,460	3,759	3,058	2,516	2,008
			P	3.4	3.1	2.8	2.6	2.4	2.2	2.0	1.8
		38°C	Q	6,531	5,825	5,084	4,192	3,533	2,875	2,365	1,888
			P	3.6	3.3	3.0	2.8	2.5	2.3	2.1	1.9
		43°C	Q	5,765	5,143	4,488	3,701	3,119	2,537	2,088	1,666
			P	4.0	3.6	3.3	3.1	2.8	2.5	2.3	2.1
ESE4350**0	3 1/2	32°C	Q	8,726	7,976	7,226	6,197	5,291	4,402	3,486	2,857
			P	4.2	3.9	3.6	3.3	3.1	2.8	2.6	2.4
		35°C	Q	8,202	7,497	6,792	5,825	4,974	4,138	3,277	2,686
			P	4.4	4.1	3.8	3.5	3.3	3.0	2.8	2.6
		38°C	Q	7,710	7,047	6,384	5,476	4,676	3,890	3,080	2,525
			P	4.7	4.3	4.0	3.7	3.5	3.2	3.0	2.8
		43°C	Q	6,806	6,221	5,636	4,834	4,127	3,434	2,719	2,228
			P	5.2	4.7	4.4	4.1	3.9	3.5	3.3	3.1
ESE4400**0	4	32°C	Q	9,150	8,397	7,497	6,571	5,602	4,642	3,723	3,084
			P	4.5	4.2	3.9	3.7	3.4	3.2	3.0	2.8
		35°C	Q	8,601	7,893	7,047	6,177	5,266	4,363	3,500	2,898
			P	4.8	4.5	4.1	3.9	3.7	3.4	3.2	2.9
		38°C	Q	8,085	7,419	6,624	5,806	4,950	4,101	3,290	2,724
			P	5.1	4.8	4.3	4.1	3.9	3.6	3.4	3.1
		43°C	Q	7,137	6,550	5,848	5,125	4,370	3,621	2,904	2,405
			P	5.6	5.3	4.7	4.5	4.3	4.0	3.7	3.4
ESE4450**0	4 1/2	32°C	Q	9,895	8,900	7,955	7,010	6,135	5,204	4,138	3,172
			P	4.9	4.6	4.2	3.9	3.6	3.4	3.1	2.9
		35°C	Q	9,301	8,366	7,478	6,589	5,767	4,892	3,890	2,982
			P	5.2	4.8	4.5	4.2	3.8	3.6	3.3	3.0
		38°C	Q	8,743	7,864	7,029	6,194	5,421	4,598	3,657	2,803
			P	5.5	5.1	4.8	4.5	4.0	3.8	3.5	3.2
		43°C	Q	7,718	6,942	6,205	5,468	4,785	4,059	3,224	2,474
			P	6.1	5.6	5.3	5.0	4.4	4.2	3.9	3.5
ESE4500**0	5	32°C	Q	10,376	9,424	8,477	7,532	6,557	5,426	4,363	3,532
			P	5.1	4.7	4.4	4.1	3.9	3.6	3.4	3.1
		35°C	Q	9,753	8,859	7,968	7,080	6,164	5,100	4,101	3,320
			P	5.4	5.0	4.7	4.4	4.1	3.9	3.6	3.3
		38°C	Q	9,168	8,327	7,490	6,655	5,794	4,794	3,855	3,121
			P	5.7	5.3	5.0	4.7	4.3	4.1	3.8	3.5
		43°C	Q	8,093	7,351	6,612	5,875	5,114	4,232	3,403	2,755
			P	6.3	5.8	5.5	5.2	4.7	4.5	4.2	3.9

Q = Capacity (Kcal/h)
P = Consumed Power (kW)
Capacities are based on the following conditions:
- Suction temperature: 18.3ºC / Subcooling: 3.2ºC
- Capacity at 60Hz, if 50Hz multiply it by 0.83
- To obtain the capacity in BTU/h, multiply it by 3.9
- To obtain the capacity in BTU/h, divide it by 860
- To obtain the temperature in °F: (Value °C × 1.8)+32 = Value °F

Q = Capacidad (Kcal/h)
P = Energía consumida (kW)
Las capacidades se basan en las siguientes condiciones:
- Temperatura de aspiración: 18,3°C / Subenfriamiento: 3.2°C
- Capacidad a 60Hz, para 50Hz multiplicar por 0.83
- Para obtener la capacidad en BTU / h multiplicar por 3.9
- Para obtener la capacidad en kW dividir por 860
- Para obtener la temperatura en °F: (Value °C × 1.8)+32 = Value °F

Capacity data / Datos de capacidad

Model	HP	Temperatura		Refrigerator Capacity / Capacidad Frigorífica [Kcal/h] Evaporation Temperature / Temperatura de Evaporación [°C]				
				5°C	0°C	-5°C	-10°C	-15°C
Copeland Scroll - Low and medium temperature - R-22								
Copeland Scroll - Baja y media temperatura - R-22								
ESE4130**0	1 1/3	32°C	Q	3,982	3339	2809	2264	1801
			P	1.29	1.24	1.21	1.20	1.16
		35°C	Q	3797	3187	2681	2166	1726
			P	1.40	1.35	1.32	1.29	1.25
		38°C	Q	3625	3046	2562	2075	1657
			P	1.52	1.46	1.42	1.38	1.33
		43°C	Q	3263	2746	2309	1876	1500
			P	1.72	1.67	1.62	1.56	1.40
ESE4150**0	1 1/2	32°C	Q	4490	3823	3331	2618	2112
			P	1.53	1.49	1.47	1.48	1.46
		35°C	Q	4282	3649	3179	2505	2024
			P	1.65	1.61	1.58	1.57	1.53
		38°C	Q	4087	3487	3037	2401	1943
			P	1.77	1.72	1.69	1.66	1.61
		43°C	Q	3680	3144	2738	2170	1760
			P	1.98	1.93	1.89	1.84	1.78
ESE4200**0	2	32°C	Q	5961	5209	4512	3839	3251
			P	2.17	2.07	2.00	1.94	1.94
		35°C	Q	5684	4973	4307	3674	3116
			P	2.39	2.20	2.11	2.12	2.01
		38°C	Q	5425	4752	4115	3520	2990
			P	2.62	2.42	2.23	2.21	2.09
		43°C	Q	4886	4285	3708	3182	2708
			P	2.93	2.73	2.52	2.39	2.25
ESE4300**0	3	32°C	Q	6628	5846	5084	4136	3471
			P	2.58	2.40	2.35	2.22	2.14
		35°C	Q	6321	5579	4852	3957	3326
			P	2.81	2.62	2.47	2.40	2.30
		38°C	Q	6033	5332	4636	3791	3192
			P	3.04	2.85	2.67	2.58	2.37
		43°C	Q	5433	4808	4178	3427	2890
			P	3.45	3.17	2.98	2.86	2.62
ESE4350**0	3 1/2	32°C	Q	7826	7072	6385	5401	4592
			P	3.38	3.23	3.13	3.05	3.02
		35°C	Q	7461	6750	6093	5168	4402
			P	3.64	3.47	3.35	3.23	3.17
		38°C	Q	7122	6450	5821	4952	4224
			P	3.97	3.71	3.57	3.42	3.32
		43°C	Q	6414	5816	5247	4477	3825
			P	4.48	4.13	3.97	3.78	3.66
ESE4400**0	4	32°C	Q	8206	7445	6624	5727	4862
			P	3.63	3.48	3.39	3.42	3.31
		35°C	Q	7824	7107	6322	5481	4660
			P	3.97	3.81	3.61	3.60	3.55
		38°C	Q	7469	6791	6040	5250	4472
			P	4.31	4.14	3.83	3.78	3.70
		43°C	Q	6726	6124	5445	4746	4050
			P	4.83	4.66	4.24	4.15	4.03
ESE4450**0	4 1/2	32°C	Q	8874	7891	7029	6110	5325
			P	3.95	3.81	3.65	3.61	3.50
		35°C	Q	8461	7532	6709	5846	5103
			P	4.30	4.07	3.97	3.88	3.65
		38°C	Q	8077	7198	6410	5601	4897
			P	4.64	4.40	4.28	4.15	3.80
		43°C	Q	7274	6490	5777	5064	4435
			P	5.26	4.93	4.78	4.61	4.12
ESE4500**0	4 1/2	32°C	Q	9305	8356	7490	6565	5691
			P	4.11	3.89	3.83	3.79	3.80
		35°C	Q	8873	7976	7148	6282	5455
			P	4.46	4.24	4.14	4.07	3.94
		38°C	Q	8469	7622	6830	6018	5234
			P	4.81	4.58	4.46	4.34	4.08
		43°C	Q	7627	6873	6156	5441	4740
			P	5.43	5.10	4.96	4.79	4.41

Q = Capacity (Kcal/h)
P = Consumed Power (kW)
Capacities are based on the following conditions:
- Suction temperature: 18.3ºC / Subcooling: 3.2ºC
- Capacity at 60Hz, if 50Hz multiply it by 0.83
- To obtain the capacity in BTU/h, multiply it by 3.9
- To obtain the capacity in BTU/h, divide it by 860
- To obtain the temperature in °F: (Value °C × 1.8)+32 = Value °F

Q = Capacidad (Kcal/h)
P = Energía consumida (kW)
Las capacidades se basan en las siguientes condiciones:
- Temperatura de aspiración: 18,3°C / Subenfriamiento: 3.2°C
- Capacidad a 60Hz, para 50Hz multiplicar por 0.83
- Para obtener la capacidad en BTU / h multiplicar por 3.9
- Para obtener la capacidad en kW dividir por 860
- Para obtener la temperatura en °F: (Value °C × 1.8)+32 = Value °F

Capacity data / Datos de capacidad

Model	HP	Temperatura		Refrigerator Capacity / Capacidad Frigorífica [Kcal/h] Evaporation Temperature / Temperatura de Evaporación [°C]					
				10°C	5°C	0°C	-5°C	-10°C	-15°C
Copeland Scroll - Low and medium temperature - R-134a									
Copeland Scroll - Baja y media temperatura - R-134a									
ESE4130**0	1 1/3	32°C	Q	2,929	2687	2204	1809	1441	1111
			P	0.98	0.90	0.86	0.81	0.77	0.74
		35°C	Q	2,785	2555	2096	1721	1371	1059
			P	1.05	0.96	0.91	0.87	0.82	0.78
		38°C	Q	2,650	2431	1995	1639	1304	1010
			P	1.11	1.02	0.97	0.92	0.88	0.83
		43°C	Q	2,377	2181	1791	1471	1171	909
			P	1.23	1.13	1.08	1.03	0.99	0.8
ESE4150**0	1 1/2	32°C	Q	3,304	3031	2523	2145	1667	1303
			P	1.17	1.07	1.03	0.99	0.95	0.92
		35°C	Q	3,140	2881	2399	2041	1585	1242
			P	1.23	1.13	1.09	1.04	1.00	0.97
		38°C	Q	2,988	2741	2284	1943	1509	1185
			P	1.3	1.19	1.14	1.10	1.05	1.01
		43°C	Q	2,680	2459	2051	1745	1354	1066
			P	1.42	1.30	1.26	1.21	1.16	1.11
ESE4200**0	2	32°C	Q	4,385	4023	3438	2906	2444	2006
			P	1.67	1.53	1.43	1.33	1.25	1.23
		35°C	Q	4,168	3824	3270	2765	2325	1912
			P	1.79	1.64	1.49	1.39	1.36	1.27
		38°C	Q	3,965	3638	3113	2632	2213	1824
			P	1.92	1.76	1.60	1.44	1.41	1.31
		43°C	Q	3,560	3266	2795	2363	1986	1641
			P	2.1	1.93	1.77	1.61	1.51	1.41
ESE4300**0	3	32°C	Q	4,877	4474	3858	3274	2633	2141
			P	1.97	1.81	1.66	1.57	1.43	1.35
		35°C	Q	4,636	4253	3669	3115	2504	2041
			P	2.1	1.93	1.78	1.62	1.53	1.45
		38°C	Q	4,410	4046	3492	2965	2383	1947
			P	2.22	2.04	1.89	1.73	1.64	1.49
		43°C	Q	3,958	3631	3137	2663	2139	1752
			P	2.47	2.27	2.06	1.90	1.80	1.64
ESE4350**0	3 1/2	32°C	Q	5,757	5282	4667	4112	3439	2833
			P	2.59	2.38	2.24	2.09	1.96	1.91
		35°C	Q	5,472	5020	4439	3911	3270	2701
			P	2.73	2.50	2.35	2.20	2.07	2.00
		38°C	Q	5,206	4776	4225	3724	3113	2577
			P	2.91	2.67	2.47	2.31	2.17	2.09
		43°C	Q	4,673	4287	3794	3345	2794	2318
			P	3.22	2.95	2.69	2.54	2.39	2.29
ESE4400**0	4	32°C	Q	6,038	5539	4914	4266	3647	3000
			P	2.78	2.55	2.41	2.27	2.20	2.10
		35°C	Q	5,739	5265	4673	4058	3468	2859
			P	2.96	2.72	2.58	2.38	2.30	2.24
		38°C	Q	5,459	5008	4448	3864	3301	2728
			P	3.16	2.90	2.75	2.49	2.41	2.33
		43°C	Q	4,901	4496	3995	3470	2962	2455
			P	3.47	3.18	3.03	2.71	2.62	2.52
ESE4450**0	4 1/2	32°C	Q	6,529	5990	5208	4527	3890	3285
			P	3.02	2.77	2.64	2.44	2.32	2.22
		35°C	Q	6,205	5693	4953	4306	3699	3131
			P	3.22	2.95	2.75	2.61	2.48	2.30
		38°C	Q	5,903	5416	4715	4100	3521	2988
			P	3.41	3.13	2.93	2.78	2.64	2.39
		43°C	Q	5,300	4862	4234	3682	3160	2688
			P	3.78	3.47	3.20	3.06	2.91	2.58
ESE4500**0	4 1/2	32°C	Q	6,846	6281	5515	4824	4180	3511
			P	3.15	2.89	2.70	2.56	2.44	2.41
		35°C	Q	6,507	5970	5245	4589	3975	3347
			P	3.34	3.06	2.87	2.73	2.60	2.48
		38°C	Q	6,190	5679	4992	4369	3783	3193
			P	3.53	3.24	3.04	2.89	2.76	2.57
		43°C	Q	5,557	5098	4484	3924	3396	2873
			P	3.9	3.58	3.32	3.17	3.03	2.76

Q = Capacity (Kcal/h)
P = Consumed Power (kW)
Capacities are based on the following conditions:
- Suction temperature: 18.3ºC / Subcooling: 3.2ºC
- Capacity at 60Hz, if 50Hz multiply it by 0.83
- To obtain the capacity in BTU/h, multiply it by 3.9
- To obtain the capacity in BTU/h, divide it by 860
- To obtain the temperature in °F: (Value °C × 1.8)+32 = Value °F

Q = Capacidad (Kcal/h)
P = Energía consumida (kW)
Las capacidades se basan en las siguientes condiciones:
- Temperatura de aspiración: 18,3°C / Subenfriamiento: 3.2°C
- Capacidad a 60Hz, para 50Hz multiplicar por 0.83
- Para obtener la capacidad en BTU / h multiplicar por 3.9
- Para obtener la capacidad en kW dividir por 860
- Para obtener la temperatura en °F: (Value °C × 1.8)+32 = Value °F

Capacity data / Datos de capacidad

Model	HP	Temperatura		Refrigerator Capacity / Capacidad Frigorífica [Kcal/h] Evaporation Temperature / Temperatura de Evaporación [°C]						
				5°C	0°C	-5°C	-10°C	-15°C	-20°C	-25°C
Copeland Scroll - Low and medium temperature - R-448A / R-449A										
Copeland Scroll - Baja y media temperatura - R-448A / R-449A										
ESE4100**0	1 1/3	32°C	Q	3846	3218	2683	2155	1702	1318	946
			P	1.33	1.25	1.17	1.10	1.15	1.11	1.03
		35°C	Q	3646	3050	2543	2043	1613	1251	889
			P	1.45	1.36	1.28	1.20	1.14	1.19	1.10
		38°C	Q	3458	2893	2411	1937	1530	1189	836
			P	1.56	1.38	1.38	1.31	1.23	1.26	1.16
		43°C	Q	3087	2584	2153	1731	1365	1063	738
			P	1.67	1.58	1.49	1.41	1.33	1.33	1.23
ESE4150**0	1 1/2	32°C	Q	4337	3685	3181	2492	1997	1594	1265
			P	1.51	1.43	1.35	1.38	1.34	1.32	1.23
		35°C	Q	4111	3492	3015	2363	1892	1513	1190
			P	1.63	1.54	1.46	1.39	1.43	1.39	1.30
		38°C	Q	3900	3313	2858	2242	1794	1437	1118
			P	1.74	1.65	1.57	1.49	1.42	1.46	1.36
		43°C	Q	3482	2958	2552	2002	1601	1286	987
			P	1.95	1.86	1.77	1.69	1.61	1.52	1.42
ESE4200**0	2	32°C	Q	5759	5021	4309	3654	3074	2473	1946
			P	2.23	2.05	1.89	1.75	1.72	1.62	1.54
		35°C	Q	5458	4759	4084	3464	2913	2349	1829
			P	2.35	2.17	2.01	1.95	1.81	1.69	1.60
		38°C	Q	5176	4515	3873	3288	2762	2232	1719
			P	2.57	2.30	2.12	2.05	1.90	1.75	1.65
		43°C	Q	4623	4032	3458	2936	2464	1996	1517
			P	2.89	2.61	2.33	2.26	2.09	1.91	1.80
ESE4300**0	3	32°C	Q	6404	5635	4855	3936	3282	2618	2119
			P	2.58	2.32	2.25	2.03	1.91	1.83	1.75
		35°C	Q	6070	5340	4601	3732	3110	2486	1992
			P	2.81	2.54	2.28	2.23	2.10	1.98	1.80
		38°C	Q	5756	5065	4363	3540	2948	2362	1872
			P	3.03	2.76	2.49	2.34	2.19	2.04	1.84
		43°C	Q	5140	4524	3895	3162	2630	2113	1652
			P	3.35	3.07	2.80	2.63	2.37	2.19	1.98
ESE4350**0	3 1/2	32°C	Q	7560	6817	6098	5140	4343	3543	2759
			P	3.39	3.13	2.98	2.76	2.68	2.54	2.47
		35°C	Q	7165	6460	5779	4874	4114	3365	2594
			P	3.62	3.36	3.20	2.97	2.86	2.68	2.50
		38°C	Q	6795	6128	5479	4624	3901	3197	2438
			P	3.95	3.58	3.32	3.18	3.04	2.82	2.62
		43°C	Q	6068	5472	4892	4131	3481	2860	2152
			P	4.38	4.01	3.73	3.48	3.32	3.05	2.84
ESE4400**0	4	32°C	Q	7928	7176	6326	5451	4598	3736	2947
			P	3.66	3.39	3.16	3.13	2.97	2.95	2.78
		35°C	Q	7514	6802	5996	5168	4356	3547	2770
			P	3.99	3.72	3.38	3.25	3.24	3.08	2.90
		38°C	Q	7125	6451	5685	4902	4131	3370	2604
			P	4.23	4.04	3.60	3.46	3.33	3.21	3.01
		43°C	Q	6364	5762	5076	4379	3686	3016	2299
			P	4.75	4.47	4.02	3.86	3.70	3.44	3.22
ESE4450**0	4 1/2	32°C	Q	8573	7607	6713	5815	5035	4189	3276
			P	4.01	3.75	3.43	3.23	3.16	3.15	2.89
		35°C	Q	8125	7210	6362	5513	4771	3978	3079
			P	4.26	3.99	3.75	3.53	3.34	3.28	3.00
		38°C	Q	7706	6838	6032	5231	4523	3779	2895
			P	4.59	4.23	4.06	3.83	3.43	3.41	3.11
		43°C	Q	6882	6107	5386	4672	4036	3381	2552
			P	5.22	4.75	4.48	4.33	3.80	3.63	3.31
ESE4500**0	5	32°C	Q	8990	8055	7154	6248	5382	4368	3453
			P	4.10	3.84	3.61	3.41	3.35	3.35	3.20
		35°C	Q	8520	7635	6779	5924	5099	4147	3246
			P	4.44	4.17	3.93	3.72	3.53	3.48	3.30
		38°C	Q	8080	7241	6428	5620	4835	3940	3051
			P	4.78	4.41	4.25	4.02	3.71	3.60	3.40
		43°C	Q	7217	6466	5739	5020	4314	3525	2694
			P	5.31	4.94	4.67	4.42	4.08	3.91	3.60

Q = Capacity (Kcal/h)
P = Consumed Power (kW)
Capacities are based on the following conditions:
- Suction temperature: 18.3ºC / Subcooling: 3.2ºC
- Capacity at 60Hz, if 50Hz multiply it by 0.83
- To obtain the capacity in BTU/h, multiply it by 3.9
- To obtain the capacity in BTU/h, divide it by 860
- To obtain the temperature in °F: (Value °C × 1.8)+32 = Value °F

Q = Capacidad (Kcal/h)
P = Energía consumida (kW)
Las capacidades se basan en las siguientes condiciones:
- Temperatura de aspiración: 18,3°C / Subenfriamiento: 3.2°C
- Capacidad a 60Hz, para 50Hz multiplicar por 0.83
- Para obtener la capacidad en BTU / h multiplicar por 3.9
- Para obtener la capacidad en kW dividir por 860
- Para obtener la temperatura en °F: (Value °C × 1.8)+32 = Value °F

Capacity data / Datos de capacidad

Model	HP	Temperatura		Refrigerator Capacity / Capacidad Frigorífica [Kcal/h] Evaporation Temperature / Temperatura de Evaporación [°C]							
				5°C	0°C	-5°C	-10°C	-15°C	-20°C	-25°C	-30°C
Elgin Scroll - Low and medium temperature - R-404A											
Elgin Scroll - Baja y media temperatura - R-404A											
ESE4500**V	5	32°C	Q	10,092	9,424	8,409	7,402	6,462	5,126	4,283	3,432
			P	5.1	4.7	4.4	4.1	3.9	3.6	3.4	3.1
		35°C	Q	9,486	8,859	7,904	6,958	6,074	4,818	4,026	3,226
			P	5.4	5.0	4.7	4.4	4.1	3.9	3.6	3.3
		38°C	Q	8,917	8,327	7,430	6,541	5,710	4,529	3,784	3,032
			P	5.7	5.3	5.0	4.7	4.3	4.1	3.8	3.5
		43°C	Q	7,872	7,351	6,559	5,774	5,040	3,998	3,341	2,677
			P	6.3	5.8	5.5	5.2	4.7	4.5	4.2	3.9
ESE4600**V	6	32°C	Q	18,422	16,425	14,442	11,038	9,055	7,352	6,741	5,526
			P	5.1	5.1	5.0	4.9	4.8	4.8	4.7	4.4
		35°C	Q	17,317	15,440	13,575	10,376	8,512	6,911	6,337	5,194
			P	5.5	5.4	5.3	5.2	5.2	5.1	5.0	4.7
		38°C	Q	16,278	14,514	12,761	9,753	8,001	6,496	5,957	4,882
			P	5.8	5.7	5.6	5.5	5.5	5.4	5.3	4.9
		43°C	Q	14,369	12,812	11,265	8,610	7,063	5,735	5,258	4,310
			P	6.4	6.3	6.2	6.1	6.1	5.9	5.8	5.4
ESE4800**V	8	32°C	Q	22,796	19,766	16,533	13,743	11,196	9,239	8,050	6,844
			P	8.9	8.4	7.8	7.3	6.9	6.4	6.0	5.5
		35°C	Q	21,428	18,580	15,541	12,918	10,524	8,685	7,567	6,433
			P	9.5	8.9	8.3	7.8	7.3	6.8	6.4	5.8
		38°C	Q	20,142	17,465	14,609	12,143	9,893	8,164	7,113	6,047
			P	10.1	9.4	8.8	8.3	7.7	7.2	6.8	6.1
		43°C	Q	17,781	15,417	12,896	10,720	8,733	7,206	6,279	5,338
			P	11.1	10.3	9.7	9.1	8.5	7.9	7.5	6.7
ESE4102**V	10	32°C	Q	29,901	25,753	21,542	17,808	14,587	12,088	10,399	8,918
			P	10.6	10.1	9.5	9.1	8.6	8.1	7.7	7.2
		35°C	Q	28,107	24,208	20,249	16,740	13,712	11,363	9,775	8,383
			P	11.3	10.7	10.2	9.6	9.1	8.7	8.2	7.7
		38°C	Q	26,421	22,756	19,034	15,736	12,889	10,681	9,189	7,880
			P	12.0	11.3	10.8	10.2	9.6	9.2	8.7	8.2
		43°C	Q	23,323	20,087	16,803	13,890	11,378	9,429	8,111	6,956
			P	13.2	12.4	11.9	11.2	10.6	10.1	9.6	9.0

Q = Capacity (Kcal/h)
P = Consumed Power (kW)
Capacities are based on the following conditions:
- Suction temperature: 18.3ºC / Subcooling: 3.2ºC
- Capacity at 60Hz, if 50Hz multiply it by 0.83
- To obtain the capacity in BTU/h, multiply it by 3.9
- To obtain the capacity in BTU/h, divide it by 860
- To obtain the temperature in °F: (Value °C × 1.8)+32 = Value °F

Q = Capacidad (Kcal/h)
P = Energía consumida (kW)
Las capacidades se basan en las siguientes condiciones:
- Temperatura de aspiración: 18,3°C / Subenfriamiento: 3.2°C
- Capacidad a 60Hz, para 50Hz multiplicar por 0.83
- Para obtener la capacidad en BTU / h multiplicar por 3.9
- Para obtener la capacidad en kW dividir por 860
- Para obtener la temperatura en °F: (Value °C × 1.8)+32 = Value °F

Electrical data / Datos eléctricos

Model	Compressor / Compresor											Fans			
	Model	Electrical feature Característica eléctrica			RLA	MCC	LRA	Load of oil/ aceite	Relay Relay	Capacitor Capacitor		Electrical feature Característica eléctrica			
										Starter Arranque	Gear Marcha				
		V	F	Hz	A	A	A	l		µFD/VAC		V	F	Hz	A
Alternative - High and medium temperature - R-22															
Recíproco - Alta y media temperatura - R-22															
ESM2125E*E	TCM2062EME	220	1	60	4.0	7.5	28.5	0.9	RVA3AH6D	64-77/330	20/380	220	1	60	0.28
ESM2150H*I/0	CR22K6M-PF1	220	1	50	9.6	13.5	60.0	1.3	RVA3AH6D	88-108/330	35/440	220	1	50	1.2
ESM2150E*I/0	CR20K6M-PFV	220	1	60	9.4	14.6	60.0	1.3	RVA4AH3R	161-193/250	35/440	220	1	60	1.2
ESM2150T*I/0	CR18K6-TF5	220	3	60/50	6.1	8.5	49.0	1.3	-	-	-	220	1	60/50	1.2
ESM2150J*I/0	CR18K6-TFD	380	3	60/50	6.1	8.5	49.0	1.3	-	-	-	220	1	60/50	1.2
ESM2200H*I	CR24K6M-PFZ	220	1	50	10.4	14.6	51.0	1.3	RVA2AE6D	161-193/330	35/440	220	1	50	1.2
ESM2200E*I	CR24K6M-PFV	220	1	60	12.4	17.4	61.0	1.3	RVA4AH3R	161-193/250	35/440	220	1	60	1.2
ESM2200T*I	CR24K6M-TF5	220	3	60/50	7.7	10.8	55.0	1.3	-	-	-	220	1	60/50	1.2
ESM2200J*I	CR24K6M-TFD	380	3	60/50	4.0	5.6	28.0	1.3	-	-	-	220	1	60/50	1.2
ESM2200T*C	ECM24000T	220	3	60/50	6.1	10.1	46.0	1.5	-	-	-	220	1	60/50	1.2
ESM2200J*C	ECM24000J	380	3	60/50	3.5	5.2	26.0	1.5	-	-	-	220	1	60/50	1.2
ESM2300H*I	CR37K6M-PFZ	220	1	50	12.3	23.6	85.8	1.3	RVA3AG3R	161-193/330	50/440	220	1	50	1.2
ESM2300E*I	CR37K6M-PFV	220	1	60	15.4	26.0	100.0	1.3	RVA3AG3R	189-227/330	50/440	220	1	60	1.2
ESM2300T*I	CR37K6M-TF5	220	3	60	9.7	16.2	80.0	1.3	-	-	-	220	1	60	1.2
ESM2300J*I	CR37K6M-TFD	380	3	60/50	5.7	9.7	39.0	1.3	-	-	-	220	1	60/50	1.2
ESM2300T*C	ECM37000T	220	3	60/50	8.9	14.8	86.0	1.5	-	-	-	220	1	60/50	1.2
ESM2300J*C	ECM37000J	380	3	60/50	4.7	6.8	40.0	1.5	-	-	-	220	1	60/50	1.2
ESM2350T*I/0	CR42K6M-TF5	220	3	60	14.0	19.7	91.0	1.3	-	-	-	220	1	60	1.2
ESM2350J*I/0	CR42K6M-TFD	380	3	60/50	6.4	8.9	42.0	1.3	-	-	-	220	1	60/50	1.2
ESM2350T*C	ECM42000T	220	3	60/50	10.9	17.0	88.0	1.5	-	-	-	220	1	60/50	1.2
ESM2350J*C	ECM42000J	380	3	60/50	5.9	7.7	42.0	1.5	-	-	-	220	1	60/50	1.2
ESM2400T*I	CR53KQM-TF5	220	3	60	20.0	38.0	135.0	1.3	-	-	-	220	1	60	2.4
ESM2400J*I	CR53KQM-TFD	380	3	60/50	9.9	13.8	60.0	1.3	-	-	-	220	1	60/50	2.4
ESM2400T*C	ECM53000T	220	3	60/50	12.8	24.5	108.0	2.0	-	-	-	220	1	60/50	2.4
ESM2400J*C	ECM53000J	380	3	60/50	7.1	11.7	56.0	2.0	-	-	-	220	1	60/50	2.4
ESM2500T*I	CR62KQM-TF5	220	3	60	23.4	32.8	125.0	2.0	-	-	-	220	1	60	2.4
ESM2500J*I	CR62KQM-TFD	380	3	60/50	11.4	16.0	50.0	2.0	-	-	-	220	1	60/50	2.4
ESM2500T*C	ECM61000T	220	3	60/50	14.5	29.0	128.0	2.0	-	-	-	220	1	60/50	2.4
ESM2500J*C	ECM61000J	380	3	60/50	8.0	12.5	59.0	2.0	-	-	-	220	1	60/50	2.4
ESM2600T*C	ECM72000T	220	3	60/50	21.6	36.0	162.0	2.0	-	-	-	220	1	60/50	2.4
ESM2600J*C	ECM72000J	380	3	60/50	10.7	17.0	64.0	2.0	-	-	-	220	1	60/50	2.4
Alternative - Medium temperature - R-404A															
Recíproco - Media temperatura - R-404A															
ESM4130E*E	TCM4072EME	220	1	60	5.5	8.4	28.5	0.9	RVA3AH6D	64-77/330	20/400	220	1	60	0.28
ESM4140E*E	TCM4080EME	220	1	60	6.8	9.8	40.5	0.9	RVA3AH6D	124-149/330	30/380	220	1	60	0.28
ESM4150T*C	ECM418000T	220	3	60/50	5.9	9.8	46.0	1.5	-	-	-	220	1	60/50	1.2
ESM4150J*C	ECM418000J	380	3	60/50	3.4	4.8	25.0	1.5	-	-	-	220	1	60/50	1.2
ESM4200T*C	ECM424000T	220	3	60/50	6.1	10.1	46.0	1.5	-	-	-	220	1	60/50	1.2
ESM4200J*C	ECM424000J	380	3	60/50	3.5	5.2	26.0	1.5	-	-	-	220	1	60/50	1.2
ESM4250T*C	ECM430000T	220	3	60/50	7.0	14.1	65.0	1.5	-	-	-	220	1	60/50	1.2
ESM4250J*C	ECM430000J	380	3	60/50	4.1	6.3	33.0	1.5	-	-	-	220	1	60/50	1.2
ESM4300T*C	ECM437000T	220	3	60/50	8.9	14.8	86.0	1.5	-	-	-	220	1	60/50	1.2
ESM4300J*C	ECM437000J	380	3	60/50	4.7	6.8	40.0	1.5	-	-	-	220	1	60/50	1.2
ESM4350T*C	ECM442000T	220	3	60/50	10.9	17.0	88.0	1.5	-	-	-	220	1	60/50	1.2
ESM4350J*C	ECM442000J	380	3	60/50	5.9	7.7	42.0	1.5	-	-	-	220	1	60/50	1.2
ESM4375T*C	ECM446000T	220	3	60/50	11.6	18.6	96.0	2.0	-	-	-	220	1	60/50	2.4
ESM4375J*C	ECM446000J	380	3	60/50	6.5	8.7	54.0	2.0	-	-	-	220	1	60/50	2.4
ESM4400T*C	ECM453000T	220	3	60/50	12.8	24.5	108.0	2.0	-	-	-	220	1	60/50	2.4
ESM4400J*C	ECM453000J	380	3	60/50	7.1	11.7	56.0	2.0	-	-	-	220	1	60/50	2.4
ESM4500T*C	ECM461000T	220	3	60/50	14.5	29.0	128.0	2.0	-	-	-	220	1	60/50	2.4
ESM4500J*C	ECM461000J	380	3	60/50	8.0	12.5	59.0	2.0	-	-	-	220	1	60/50	2.4
ESM4550T*C	ECM468000T	220	3	60/50	19.1	31.0	146.0	2.0	-	-	-	220	1	60/50	2.4
ESM4550J*C	ECM468000J	380	3	60/50	9.2	15.5	62.0	2.0	-	-	-	220	1	60/50	2.4
ESM4600T*C	ECM472000T	220	3	60/50	21.6	36.0	162.0	2.0	-	-	-	220	1	60/50	2.4
ESM4600J*C	ECM472000J	380	3	60/50	10.7	17.0	64.0	2.0	-	-	-	220	1	60/50	2.4

For items whose frequency is 60/50Hz, the data refers to 60Hz
RLA = Compressor rated current
LRA = Compressor blocked rotor current
MCC = Compressor maximum operational current
Oil load to the compressor in the case of maintenance
Mineral Oil ISO 32 = R-22
Polyolester Oil ISO 32 = R-404A/R-448A/R-449A/R-134a/R-507

Para elementos cuya frecuencia es 60/50Hz, los datos son relativos a 60Hz
RLA = Corriente nominal del compresor
LRA = Corriente del rotor bloqueada del compresor
MCC = Corriente máxima de funcionamiento del compresor
Carga de aceite para el compresor en caso de mantenimiento
Aceite Mineral ISO 32 = R-22
Aceite Poliol Éster ISO 32 = R-404A/R-448A/R-449A/R134a/R-507

Electrical data / Datos eléctricos

Model	Compressor / Compresor											Fans			
	Model	Electrical feature Característica eléctrica			RLA	MCC	LRA	Load of oil/ aceite	Relay Relay	Capacitor Capacitor		Electrical feature Característica eléctrica			
										Starter Arranque	Gear Marcha				
		V	F	Hz	A	A	A	l		µFD/VAC		V	F	Hz	A
Alternative - Low and medium temperature - R-404A															
Recíproco - Baja y media temperatura - R-404A															
ESB4100E*E	TCB4040EME	220	1	60	5.0	7.8	40.5	0.9	RVA2AE2D	88-108/330	30/370	220	1	60	0.28
ESB4150E*C	ECB2464E	220	1	60	7.8	13.8	58	1.5	RVA2AE2D	88-108/330	30/370	220	1	60	1.2
ESB4150T*C	ECB2464T	220	3	60/50	5.1	10.2	46.0	1.5	-	-	-	220	1	60/50	1.2
ESB4150J*C	ECB2464J	380	3	60/50	3.0	3.8	28.0	1.5	-	-	-	220	1	60/50	1.2
ESB4200**0	CF06K6E-PFV	220	1	60/50	11.4	16.0	59.2	1.0	RVA3AG6D	145-175/330	30/440	220	1	60/50	1.2
ESB4200T*0	CF06K6E-TF5	220	3	60/50	6.3	9.8	52.0	1.0	-	-	-	220	1	60/50	1.2
ESB4200J*0	CF06K6E-TFD	380	3	60/50	3.3	5.2	25.4	1.0	-	-	-	220	1	60/50	1.2
ESB4200E*C	ECB2480E	220	1	60	13.8	22.0	98.0	1.5	RVA4AG3R	161-193/330	35/440	220	1	60	1.2
ESB4200T*C	ECB2480T	220	3	60/50	6.9	11.0	66.0	1.5	-	-	-	220	1	60/50	1.2
ESB4200J*C	ECB2480J	380	3	60/50	4.0	4.2	32.0	1.5	-	-	-	220	1	60/50	1.2
ESB4300**0	CF09K6E-PFV	220	1	60/50	15.0	23.4	87.0	1.0	RVA3AG6D	145-175/330	40/440	220	1	60/50	1.2
ESB4300T*0	CF09K6E-TF5	220	3	60/50	10.2	14.3	72.2	1.0	-	-	-	220	1	60/50	1.2
ESB4300J*0	CF09K6E-TFD	380	3	60/50	4.9	7.7	35.8	1.0	-	-	-	220	1	60/50	1.2
ESB4300T*C	ECB2511T	220	3	60/50	9.0	15.0	78.0	1.5	-	-	-	220	1	60/50	1.2
ESB4300J*C	ECB2511J	380	3	60/50	5.4	5.0	38.0	1.5	-	-	-	220	1	60/50	1.2
ESB4400**0	CF12K6E-PFV	220	1	60/50	20.5	28.7	105.0	1.0	RVA4AG3R	189-227/330	40/440	220	1	60/50	2.4
ESB4400T*0	CF12K6E-TF5	220	3	60/50	12.9	17.2	85.0	1.0	-	-	-	220	1	60/50	2.4
ESB4400J*0	CF12K6E-TFD	380	3	60/50	6.6	9.2	42.0	1.0	-	-	-	220	1	60/50	2.4
ESB4400T*C	ECB2516T	220	3	60/50	11.7	20.6	98.0	2.0	-	-	-	220	1	60/50	2.4
ESB4400J*C	ECB2516J	380	3	60/50	7.1	9.6	52.0	2.0	-	-	-	220	1	60/50	2.4
ESB4500T*C	ECB2522T	220	3	60/50	15.1	25.2	120.0	2.0	-	-	-	220	1	60/50	2.4
ESB4500J*C	ECB2522J	380	3	60/50	8.7	13.8	66.0	2.0	-	-	-	220	1	60/50	2.4
Scroll - Low and medium temperature - R-404A															
Scroll - Baja y media temperatura - R-404A															
ESE4130E*0	ZS 09KAE-PFV	220	1	60	10.0	14.0	40.3	0.74	RVA4AG3R	189-227/330	40/440	220	1	60	1.2
ESE4130T*0	ZS 09KAE-TF5	220	3	60/50	8.0	11.2	55.4	0.74	-	-	-	220	1	60/50	1.2
ESE4130J*0	ZS 09KAE-TFD	380	3	60/50	3.8	5.3	28.0	0.74	-	-	-	220	1	60/50	1.2
ESE4150E*0	ZS 11KAE-PFV	220	1	60	12.6	17.7	55.0	0.74	RVA2AE2D	88-108/330	30/370	220	1	60	1.2
ESE4150T*0	ZS 11KAE-TF5	220	3	60/50	10.4	15.5	58.0	0.74	-	-	-	220	1	60/50	1.2
ESE4150J*0	ZS 11KAE-TFD	380	3	60/50	3.8	6.0	28.0	0.74	-	-	-	220	1	60/50	1.2
ESE4200E*0	ZS 15KAE-PFV	220	1	60	14.9	22.0	68.0	0.74	RVA2AE2D	88-108/330	40/440	220	1	60	1.2
ESE4200T*0	ZS 15KAE-TF5	220	3	60/50	10.6	14.9	58.0	0.74	-	-	-	220	1	60/50	1.2
ESE4200J*0	ZS 15KAE-TFD	380	3	60/50	4.6	6.5	29.0	0.74	-	-	-	220	1	60/50	1.2
ESE4300E*0	ZS 19KAE-PFV	220	1	60	18.0	25.2	75.0	0.74	RVA2AE2D	88-108/330	45/440	220	1	60	1.2
ESE4300T*0	ZS 19KAE-TF5	220	3	60/50	13.7	19.2	73.0	0.74	-	-	-	220	1	60/50	1.2
ESE4300J*0	ZS 19KAE-TFD	380	3	60/50	6.5	9.1	38.0	0.74	-	-	-	220	1	60/50	1.2
ESE4350E*0	ZS 21KAE-PFV	220	1	60	23.2	32.5	112.0	0.74	RVA2AE2D	88-108/330	60/440	220	1	60	1.2
ESE4350T*0	ZS 21KAE-TF5	220	3	60/50	15.3	21.3	93.0	0.74	-	-	-	220	1	60/50	1.2
ESE4350J*0	ZS 21KAE-TFD	380	3	60/50	6.9	9.7	48.0	0.74	-	-	-	220	1	60/50	1.2
ESE4400E*0	ZS 26KAE-PFV	220	1	60	23.6	33.0	104.0	1.24	RVA2AE2D	88-108/330	60/440	220	1	60	1.2
ESE4400T*0	ZS 26KAE-TF5	220	3	60/50	15.5	21.7	93.0	1.24	-	-	-	220	1	60/50	1.2
ESE4400J*0	ZS 26KAE-TFD	380	3	60/50	6.9	9.6	48.0	1.24	-	-	-	220	1	60/50	1.2
ESE4450E*0	ZS 29KAE-PFV	220	1	60	26.1	36.5	137.0	1.24	RVA2AE2D	88-108/330	60/440	220	1	60	1.2
ESE4450T*0	ZS 29KAE-TF5	220	3	60/50	20.5	28.7	114.0	1.24	-	-	-	220	1	60/50	1.2
ESE4450J*0	ZS 29KAE-TFD	380	3	60/50	9.4	13.1	58.0	1.24	-	-	-	220	1	60/50	1.2
ESE4500E*0	ZS 33KAE-PFV	220	1	60	28.2	39.5	146.0	1.24	RVA2AE2D	88-108/330	82/440	220	1	60	1.2
ESE4500T*0	ZS 33KAE-TF5	220	3	60/50	19.3	31.2	114.0	1.24	-	-	-	220	1	60/50	1.2
ESE4500J*0	ZS 33KAE-TFD	380	3	60/50	10.0	14.0	52.0	1.24	-	-	-	220	1	60/50	1.2
ESE4500T*V	SMB500T	220	3	60	10.7	23.0	136.0	1.24	-	-	-	220	1	60	2.4
ESE4500J*V	SMB500J	380	3	60	8.8	11.7	69.0	1.24	-	-	-	220	1	60	2.4
ESE4600T*V	SMB600T	220	3	60	18.2	25.0	167.0	1.24	-	-	-	220	1	60	2.4
ESE4600J*V	SMB600J	380	3	60	9.4	17.0	94.0	1.24	-	-	-	220	1	60	2.4
ESE4800T*V	SMB800T	220	3	60	21.1	38.5	241.0	1.24	-	-	-	220	1	60	4.8
ESE4800J*V	SMB800J	380	3	60	12.2	22.3	135.0	1.24	-	-	-	220	1	60	4.8
ESE4102T*V	SMB1000T	220	3	60	26.2	49.3	290.0	1.24	-	-	-	220	1	60	4.8
ESE4102J*V	SMB1000J	380	3	60	14.3	28.6	163.0	1.24	-	-	-	220	1	60	4.8

For items whose frequency is 60/50Hz, the data refers to 60Hz
RLA = Compressor rated current
LRA = Compressor blocked rotor current
MCC = Compressor maximum operational current
Oil load to the compressor in the case of maintenance
Mineral Oil ISO 32 = R-22
Polyolester Oil ISO 32 = R-404A/R-448A/R-449A/R-134a/R-507

Para elementos cuya frecuencia es 60/50Hz, los datos son relativos a 60Hz
RLA = Corriente nominal del compresor
LRA = Corriente del rotor bloqueada del compresor
MCC = Corriente máxima de funcionamiento del compresor
Carga de aceite para el compresor en caso de mantenimiento
Aceite Mineral ISO 32 = R-22
Aceite Poliol Éster ISO 32 = R-404A/R-448A/R-449A/R134a/R-507

Physical data / Datos físicos

Model	Connections Conexiones			Liquid Tank Tanque de Líquido	Noise Level* Nivel de Ruído*	Fans		Condenser
	Liquid Líquido	**Suction** Succión	**Discharge** Descarga			**Diameter** Diámetro	**Qty** Ctd	
	″	″	″	l	dB	″		
Alternative - High and medium temperature - R-22								
Recíproco - Alta y media temperatura - R-22								
ESM2125**E	V-3/8	V-1/2	5/16	1.5	56	300	1	CDE6007
ESM2150**I/0	V-3/8	V-5/8	3/8	3.5	58	456	1	CDE3816
ESM2200**I	V-3/8	V-5/8	3/8	3.5	59	456	1	CDE3898
ESM2200**C	V-3/8	V-5/8	3/8	3.5	59	456	1	CDE3898
ESM2300**I	V-3/8	V-5/8	3/8	3.5	60	456	1	CDE3901
ESM2300**C	V-3/8	V-5/8	3/8	3.5	60	456	1	CDE3901
ESM2350**I/0	V-3/8	V-5/8	3/8	3.5	61	456	1	CDE3815
ESM2350**C	V-3/8	V-5/8	3/8	3.5	61	456	1	CDE3815
ESM2400**I	V-1/2	V-3/4	1/2	3.5	64	456	2	CDE3902
ESM2400**C	V-1/2	V-3/4	1/2	3.5	64	456	2	CDE3902
ESM2500**I	V-1/2	V-3/4	1/2	6.0	64	456	2	CDE3903
ESM2500**C	V-1/2	V-3/4	1/2	6.0	64	456	2	CDE3903
ESM2600**C	V-1/2	V-3/4	1/2	6.0	66	456	2	CDE3817
Alternative - High and medium temperature - R-404A								
Recíproco - Alta y media temperatura - R-404A								
ESM4130**E	V-3/8	V-1/2	5/16	1.5	56	300	1	CDE6007
ESM4140**E	V-3/8	V-1/2	5/16	1.5	56	300	1	CDE6007
ESM4150**C	V-3/8	V-5/8	3/8	3.5	59	456	1	CDE3816
ESM4200**C	V-3/8	V-5/8	3/8	3.5	59	456	1	CDE3898
ESM4250**C	V-3/8	V-5/8	3/8	3.5	60	456	1	CDE3901
ESM4300**C	V-3/8	V-5/8	3/8	3.5	60	456	1	CDE3901
ESM4350**C	V-3/8	V-5/8	3/8	3.5	61	456	1	CDE3815
ESM4375**C	V-3/8	V-5/8	3/8	3.5	61	456	2	CDE3815
ESM4400**C	V-1/2	V-3/4	1/2	3.5	64	456	2	CDE3902
ESM4500**C	V-1/2	V-3/4	1/2	6.0	64	456	2	CDE3903
ESM4550**C	V-1/2	V-3/4	1/2	6.0	64	456	2	CDE3817
ESM4600**C	V-1/2	V-3/4	1/2	6.0	64	456	2	CDE3817
Alternative - Low temperature - R-404A								
Recíproco - Baja temperatura - R-404A								
ESB4100**E	V-3/8	V-1/2	5/16	1.5	56	300	1	CDE6007
ESB4150**C	V-3/8	V-5/8	3/8	3.5	58	456	1	CDE3816
ESB4200**0	V-3/8	V-5/8	3/8	3.5	59	456	1	CDE3898
ESB4200**C	V-3/8	V-5/8	3/8	3.5	59	456	1	CDE3898
ESB4300**0	V-3/8	V-5/8	3/8	3.5	60	456	1	CDE3901
ESB4300**C	V-3/8	V-5/8	3/8	3.5	60	456	1	CDE3901
ESB4400**0	V-1/2	V-3/4	1/2	3.5	63	456	2	CDE3902
ESB4400**C	V-1/2	V-3/4	1/2	3.5	63	456	2	CDE3902
ESB4500**C	V-1/2	V-3/4	1/2	6.0	63	456	2	CDE3903
Scroll - Low and medium temperature - R-404A								
Scroll - Baja y media temperatura - R-404A								
ESE4130**0	V-3/8	V-5/8	3/8	3.5	56	456	1	CDE3816
ESE4150**0	V-3/8	V-5/8	3/8	3.5	56	456	1	CDE3816
ESE4200**0	V-3/8	V-5/8	3/8	3.5	56	456	1	CDE3898
ESE4300**0	V-3/8	V-5/8	3/8	3.5	58	456	1	CDE3901
ESE4350**0	V-3/8	V-5/8	3/8	3.5	58	456	1	CDE3815
ESE4400**0	V-1/2	V-3/4	1/2	6.0	62	456	1	CDE3902
ESE4450**0	V-1/2	V-3/4	1/2	6.0	62	456	1	CDE3902
ESE4500**0	V-1/2	V-3/4	1/2	6.0	62	456	1	CDE3903
ESE4500**V	V-1/2	V-3/4	1/2	6.0	62	456	2	CDE3903
ESE4600**V	V-1/2	V-3/4	1/2	6.0	62	456	2	CDE3817
ESE4800**V	V-5/8	V-7/8	3/4	13.0	66	456	4	CDE6143
ESE4102**V	V-5/8	V-7/8	3/4	13.0	66	456	4	CDE6143

Noise Level [dB] measured at a distance of 3 meters, according to the standard.
The noise data above are typical for open field. The Condensing Units are cooled with horizontal air flow, the noise level is considered for air discharge. For reflexive conditions in the installation, the noise level can be significantly increased. Pay attention to the indoor applications, close to walls and background noise in the environment.

Nivel de Ruido [dB] medido a 3 metros de distancia, conforme norma.
Los datos de ruido anteriores son típicos para campo abierto.Las unidades de condensación están refrigeradas por aire con un flujo horizontal, el nivel de ruido se considera en la descarga de aire.Para condiciones reflectantes en la instalación, el nivel de ruido puede aumentar significativamente.
Atención en aplicaciones en entornos cerrados, cerca de paredes y ruido de fondo en el entorno.

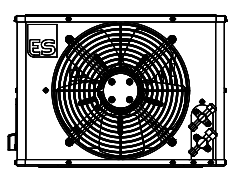
Noise level correction value due to the distance
Valor de corrección del nivel de ruido en función de la distancia

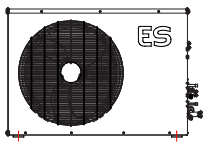
Distance / Distancia	**5 m**	**10 m**	**15 m**	**20 m**
Subtract / Sustraer	**3db (A)**	**6 db (A)**	**10 db (A)**	**12 db (A)**

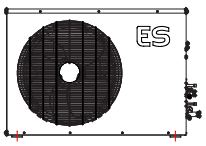
Dimension and weight data / Datos dimensionales y peso

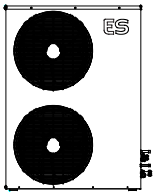
Model	Dimension / Dimension								Weight	
	Without Packaging Sin embalaje			With Packaging Con embalaje			Mounting dimension Dimensión de fijación			
	Length Largo	Width Ancho	Height Altura	Length Largo	Width Ancho	Height Altura	Length Largo	Width Ancho	Net Neto	Gross Bruto
	mm	mm	mm	mm	mm	mm	mm	mm	kg	kg
Alternative - High and medium temperature - R-22										
Recíproco - Alta y media temperatura - R-22										
ESM2125**E	505	450	352	525	470	390	-	-	26.0	28.6
ESM2150**I/0	862	326	605	965	420	760	757	360	50.0	55.0
ESM2200**I	862	326	605	965	420	760	757	360	64.6	71.1
ESM2200**C	862	326	605	965	420	760	757	360	63.2	69.5
ESM2300**I	862	326	764	965	420	915	757	360	73.1	80.5
ESM2300**C	862	326	764	965	420	915	757	360	68.4	75.2
ESM2350**I/0	862	326	764	965	420	915	757	360	69.2	76.1
ESM2350**C	862	326	764	965	420	915	757	360	71.0	78.0
ESM2400**I	862	326	1,230	925	420	1,325	757	360	98.5	108.3
ESM2400**C	862	326	1,230	925	420	1,325	757	360	94.6	104.1
ESM2500**I	862	326	1,230	925	420	1,325	757	360	104.0	114.0
ESM2500**C	862	326	1,230	925	420	1,325	757	360	97.2	107.0
ESM2600**C	862	326	1,230	925	420	1,325	757	360	105.0	115.0
Alternative - Low and medium temperature - R-404A										
Recíproco - Baja y media temperatura - R-404A										
ESM4130**E	505	450	352	525	470	390	-	-	26.0	28.6
ESM4140**E	505	450	352	525	470	390	-	-	26.0	28.6
ESM4150**C	862	326	605	965	420	760	757	360	50.0	55.0
ESM4200**C	862	326	605	965	420	760	757	360	63.2	69.5
ESM4250**C	862	326	605	965	420	760	757	360	65.9	72.5
ESM4300**C	862	326	764	965	420	915	757	360	68.4	75.2
ESM4350**C	862	326	764	965	420	915	757	360	71.0	78.0
ESM4375**C	862	326	764	965	420	915	757	360	94.6	104.1
ESM4400**C	862	326	1,230	925	420	1,325	757	360	94.6	104.1
ESM4500**C	862	326	1,230	925	420	1,325	757	360	97.2	107.0
ESM4550**C	862	326	1,230	925	420	1,325	757	360	105.0	115.5
ESM4600**C	862	326	1,230	925	420	1,325	757	360	105.0	115.5
Alternative - Low and medium temperature - R-404A										
Recíproco - Baja y media temperatura - R-404A										
ESB4100**E	505	450	352	525	470	390	-	-	26.0	28.6
ESB4150**C	862	326	605	965	420	760	757	360	53.6	59.0
ESB4200**0	862	326	605	965	420	760	757	360	62.9	69.1
ESB4200**C	862	326	605	965	420	760	757	360	62.9	69.1
ESB4300**0	862	326	764	965	420	915	757	360	75.0	82.5
ESB4300**C	862	326	764	965	420	915	757	360	63.7	70.0
ESB4400**0	862	326	1,230	965	420	1,325	757	360	88.0	96.8
ESB4400**C	862	326	1,230	965	420	1,325	757	360	94.6	104.1
ESB4500**C	862	326	1,230	965	420	1,325	757	360	97.3	107.0
Scroll - Low and medium temperature - R-404A										
Scroll - Baja y media temperatura - R-404A										
ESE4130**0	862	326	605	965	420	760	757	360	66.0	72.6
ESE4150**0	862	326	605	965	420	760	757	360	66.0	72.6
ESE4200**0	862	326	605	965	420	760	757	360	69.0	75.9
ESE4300**0	862	326	764	965	420	915	757	360	73.0	80.3
ESE4350**0	862	326	764	965	420	915	757	360	85.0	93.5
ESE4400**0	862	326	1,230	965	420	1,325	757	360	97.0	106.7
ESE4450**0	862	326	1,230	965	420	1,325	757	360	101.0	111.1
ESE4500**0	862	326	1,230	965	420	1,325	757	360	103.0	113.3
ESE4500**V	862	326	1,230	965	420	1,325	757	360	94.0	103.4
ESE4600**V	862	326	1,230	965	420	1,325	757	360	94.0	103.4
ESE4800**V	1,470	326	1,230	1,500	420	1,330	1,272	358	160.6	146.0
ESE4102**V	1,470	326	1,230	1,500	420	1,330	1,272	358	161.7	147.0

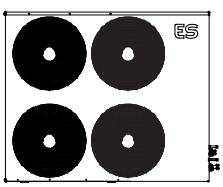
ESM2125/ESM4130 ESM4140/ESB4100	ESM2150/ESM 4150/ESM2200 ESM4200/ ESB4150/ESB4200 ESE4130/ ESE4150/ESE4200	ESM2300/ESM2350/ESM4250 ESB4300/ESE4300/ESM4300 ESE4350/ESM 4350/ESM4375	ESM2400/ESM4400/ESM2500 ESM4500/ESM4550/ESM2600 ESM4600/ESB4400/ESB4500 ESE4400/ESE4450/ESE4500 ESE4600	ESE4800 ESE4102











Flex+
Silent Condensing Unit
Unidad condensadora silenciosa

Elgin's Flex+ Condensing Unit has doors for inspection and internal access, which facilitate the operation of pressure switch adjustments, changing filter dryers and access to electrical components.
It has an oil separator and suction accumulator installed on the base, facilitating maintenance and ensuring the safety and useful life of the compressor.

La Unidad Condensadora Flexcold Flex + tiene puertas de inspección y acceso interno, que facilitan la operación y ajustes del presostato, el cambio del filtro deshidratador y el acceso a los componentes eléctricos.
También tiene el separador de aceite y el acumulador de succión instalados en la base, lo que facilita el mantenimiento y garantiza la seguridad y vida útil del compresor

Capacity Capacidad	580 → 16.010 kcal/h
Application Aplicación	10°C → -30°C
Commercial reference Referencia comercial	1 3/4 → 6 HP
Compressor brand Marca de compresor	Copeland (CR/CS/ZS)
Compressor type Tipo de compresor	Alternative/Reciproco Scroll
Coolant Fluido refrigerante	R-22 / R-404A / R-134a R-507 / R-448A / R-449A
Structure Estructura	With fairing and white painting Con carenado y pintura blanca
Electrical feature Característica eléctrica	220V-1F-60Hz 220V-3F-60Hz 220V-1F-50Hz 220V-3F-60/50Hz 380V-3F-60/50Hz
Condenser	Aluminum fin and copper pipe with internal groove Aleta de aluminio y tubo de cobre con ranura interna

Access the website

Version / Versión: 07/2021

Nomenclature

FLEX+	175	H	2	B	H	7	8	C	B
Product Producto	**Model** Modelo	**Application** Aplicación	**Coolant** Refrigerante	**Voltage** Voltaje	**Compressor** Compresor	**Liquid line Líquido** Línea de Líquido	**Suction and discharge line** Línea de Succión y de descarga	**Optional** Opcionales	**Version** Versión
Flex+	175 200 220 225 250 275 300 350 400 450 500 550 600	X: Extended average Temperature/ Media estendida Temperatura H: High temperature	2: R22 6: R-404A R-507 8: Multi-fluid (Scroll)	B: 220V-1F 60 Hz C: 220V-3F 60 Hz H: 220V-1F 50 Hz Y: 220V-3F 60/50Hz W: 380V-3F 60/50Hz	H: Copeland Hermetic Alternative/ Recíproco I: Copeland Hermetic India (CS) Z: Copeland Scroll	7: Liquid storage tank + Rotalock valve + Filter of liquid + Liquid sight + Service valve/ Liquid storage tank + Rotalock filter + Filter of liquid + Liquid sight + Service valve	8: Service valve at Suction/ Válvula de servicio en la succión 9: Suction accumulator + Service valve + Oil separator/ Separador de líquido +Válvula de servicio +Separador de aceite	C: Basic Electric (only terminals) D: Complete Electric (Circuit breaker and Contactor)	B

Notes

Elgin recommends using oil separator in applications with evaporation temperature lower than -10°C, or for line lengths higher than 20 m.

Notes

Elgin recomienda el uso de separador de aceite en aplicaciones con temperatura de evaporación menor que -10°C, o para extensión de línea superiores a 20m.

Environment temperature correction value due to the altitude

Valor de corrección de la Temperatura Ambiente en función de la altitud

Refer to the capacity table and add the values at the ambient temperature, according to the corresponding altitude found in the table below:
Consultar la tabla de capacidades y sumar los valores a temperatura ambiente, según la altitud que se encuentra en la siguiente tabla:

Installation altitude (Sea level) Altitud de instalación (nivel del mar)	Add to the ambient temperature °C Añadir a Temperatura Ambiente °C
1000 m	0
2000 m	3
3000 m	5
4000 m	7
5000 m	10

Capacity data / Datos de capacidad

Model	HP	Ambient Temperature Ambiente		Cold storage capacity / Capacidad Frigorífica [Kcal/h] Evaporation temperature / Temperatura de Evaporación [°C]							
				5°C	0°C	-5°C	-10°C	-15°C	-20°C	-25°C	-30°C
Copeland Alternative - Medium and low temperature - R-404A/R-507											
Copeland Recíproco - Media y baja temperatura - R-404A/R-507											
FLEX+200X6	2	32°C	Q	4,959	4,178	3,590	2,970	2,330	1,670	1,150	790
			P	1.68	1.54	1.43	1.31	1.17	1.03	0.87	0.71
		35°C	Q	4,685	3,940	3,390	2,800	2,200	1,580	1,080	740
			P	1.72	1.57	1.45	1.33	1.17	1.02	0.86	0.70
		38°C	Q	4,410	3,703	3,190	2,630	2,060	1,480	1,020	700
			P	1.76	1.60	1.47	1.33	1.17	1.01	0.84	0.69
		43°C	Q	3,975	3,348	2,860	2,320	1,760	1,200	770	580
			P	1.80	1.62	1.49	1.34	1.17	0.97	0.81	0.66
FLEX+250X6	2 1/2	32°C	Q	5,546	4,715	4,090	3,370	2,660	1,990	1,440	940
			P	2.06	1.89	1.72	1.54	1.38	1.19	1.02	0.81
		35°C	Q	5,235	4,448	3,860	3,180	2,510	1,880	1,350	890
			P	2.08	1.90	1.74	1.56	1.39	1.19	1.01	0.80
		38°C	Q	4,921	4,180	3,630	2,990	2,360	1,770	1,270	840
			P	2.15	1.96	1.75	1.57	1.39	1.18	0.99	0.79
		43°C	Q	4,562	3,898	3,310	2,680	2,070	1,490	1,050	790
			P	2.20	1.99	1.78	1.58	1.38	1.17	0.96	0.76
FLEX+300X6	3	32°C	Q	6,023	5,190	4,490	3,830	3,150	2,450	1,880	1,430
			P	2.50	2.30	2.12	1.93	1.71	1.50	1.29	1.08
		35°C	Q	5,678	4,890	4,240	3,620	2,970	2,310	1,780	1,350
			P	2.56	2.33	2.17	1.94	1.72	1.51	1.28	1.08
		38°C	Q	5,348	4,605	3,980	3,400	2,790	2,170	1,670	1,270
			P	2.59	2.35	2.18	1.96	1.73	1.50	1.28	1.08
		43°C	Q	4,905	4,250	3,700	3,110	2,520	1,940	1,470	1,110
			P	2.67	2.40	2.19	1.97	1.74	1.50	1.26	1.07
FLEX+350X6	3 1/2	32°C	Q	8,983	7,928	6,690	5,160	4,140	3,280	2,360	1,780
			P	2.63	2.45	2.37	2.21	1.96	1.72	1.47	1.23
		35°C	Q	8,469	7,473	6,310	4,870	3,900	3,090	2,230	1,680
			P	2.72	2.53	2.40	2.23	1.99	1.73	1.46	1.22
		38°C	Q	7,965	7,028	5,940	4,570	3,660	2,910	2,100	1,580
			P	2.84	2.61	2.46	2.25	1.99	1.72	1.46	1.21
		43°C	Q	6,942	6,155	5,180	3,970	3,140	2,460	1,760	1,330
			P	2.96	2.69	2.49	2.28	1.99	1.71	1.41	1.16
FLEX+400X6	4	32°C	Q	10,101	8,673	7,310	5,560	4,470	3,670	2,750	2,070
			P	3.22	2.90	2.59	2.35	2.10	1.87	1.62	1.35
		35°C	Q	9,552	8,190	6,890	5,250	4,220	3,460	2,600	1,960
			P	3.29	2.95	2.67	2.35	2.11	1.87	1.62	1.32
		38°C	Q	8,986	7,693	6,480	4,940	3,970	3,250	2,440	1,840
			P	3.38	3.02	2.68	2.39	2.11	1.87	1.61	1.28
		43°C	Q	7,776	6,688	5,600	4,230	3,320	2,590	1,850	1,390
			P	3.44	3.04	2.72	2.40	2.10	1.83	1.52	1.17
FLEX+500X6	5	32°C	Q	13,151	11,525	9,600	7,760	6,070	4,640	3,550	2,680
			P	4.06	3.65	3.56	3.17	2.81	2.45	2.09	1.81
		35°C	Q	12,416	10,875	9,050	7,320	5,730	4,380	3,350	2,530
			P	4.32	3.87	3.61	3.23	2.85	2.46	2.09	1.78
		38°C	Q	11,662	10,210	8,510	6,880	5,390	4,120	3,150	2,380
			P	4.41	3.94	3.77	3.30	2.87	2.47	2.07	1.76
		43°C	Q	10,492	9,235	7,560	5,940	4,540	3,460	2,680	2,020
			P	4.56	4.04	3.85	3.35	2.88	2.43	1.99	1.64
FLEX+600X6	6	32°C	Q	14,279	12,858	10,920	9,010	7,210	5,580	4,280	3,220
			P	4.97	4.62	4.24	3.94	3.53	3.06	2.59	2.13
		35°C	Q	13,459	12,125	10,300	8,500	6,800	5,270	4,030	3,040
			P	5.14	4.77	4.33	3.99	3.53	3.06	2.57	2.12
		38°C	Q	12,637	11,393	9,680	7,990	6,400	4,950	3,790	2,860
			P	5.28	4.88	4.55	4.03	3.54	3.04	2.54	2.08
		43°C	Q	11,458	10,395	8,670	6,950	5,390	4,050	3,030	2,290
			P	5.61	5.14	4.59	4.08	3.54	2.95	2.45	2.00

Q = Capacity (Kcal/h)
P = Consumed power (kW)
Capacities are based on the following conditions:
- Capacity at 60Hz, if 50Hz multiply it by 0.83
- Suction temperature: 18.3ºC / Subcooling: 3.2ºC
- To obtain the capacity in BTU/h multiply it by 3.9
- To obtain the capacity in BTU/h divide it by 860
- To obtain the temperature in °F: (Value °C × 1.8)+32 = Value °F

Q = Capacidad (Kcal / h)
P = Energía consumida (kW)
Las capacidades se basan en las siguientes condiciones:
- Capacidad a 60Hz,para 50Hz multiplicar por 0.83
- Temperatura de aspiración: 18,3 ° C / Subenfriamiento: 3,2 ° C
- Para obtener la capacidad en BTU / h multiplicar por 3.9
- Para obtener la capacidad en kW dividir por 860
- Para obtener la temperatura en °F: (Value °C × 1.8)+32 = Value °F

Capacity data / Datos de capacidad

Model	HP	Ambient Temperature Ambiente		Cold storage capacity / Capacidad Frigorífica [Kcal/h] Evaporation temperature / Temperatura de Evaporación [°C]							
				5°C	0°C	-5°C	-10°C	-15°C	-20°C	-25°C	-30°C
Copeland Scroll - Medium and low temperature - R-404A/R-507											
Copeland Scroll - Media y baja temperatura - R-404A/R-507											
FLEX+200X8	2	32°C	Q	3,511	3,148	2,723	2,328	1,921	1,546	1,219	872
			P	1.41	1.38	1.33	1.23	1.13	1.02	0.9	0.76
		35°C	Q	3,350	3,017	2,596	2,218	1,832	1,475	1,166	840
			P	1.51	1.48	1.4	1.3	1.2	1.09	0.96	0.82
		38°C	Q	3,187	2,885	2,469	2,108	1,742	1,405	1,114	808
			P	1.6	1.58	1.47	1.37	1.27	1.15	1.03	0.87
		43°C	Q	2,875	2,638	2,243	1,921	1,596	1,293	1,034	761
			P	1.78	1.76	1.6	1.49	1.38	1.25	1.13	0.94
FLEX+220X8	2	32°C	Q	4,620	3,982	3,452	2,925	2,440	1,912	1,484	1,230
			P	1.37	1.34	1.33	1.28	1.2	1.11	1.02	0.96
		35°C	Q	4,424	3,828	3,299	2,795	2,331	1,827	1,422	1,185
			P	1.47	1.45	1.41	1.36	1.28	1.19	1.1	1.03
		38°C	Q	4,229	3,674	3,148	2,667	2,223	1,744	1,361	1,141
			P	1.57	1.56	1.48	1.44	1.35	1.27	1.18	1.09
		43°C	Q	3,909	3,429	2,917	2,476	2,069	1,628	1,279	1,083
			P	1.74	1.73	1.6	1.56	1.47	1.38	1.28	1.18
FLEX+250X8	2 1/2	32°C	Q	5,387	4,570	3,877	3,279	2,704	2,187	1,757	1,369
			P	1.64	1.63	1.58	1.5	1.41	1.31	1.21	1.09
		35°C	Q	5,160	4,372	3,704	3,130	2,582	2,089	1,682	1,319
			P	1.73	1.72	1.67	1.59	1.51	1.4	1.3	1.17
		38°C	Q	4,934	4,175	3,532	2,983	2,461	1,993	1,609	1,270
			P	1.82	1.8	1.76	1.68	1.6	1.49	1.39	1.25
		43°C	Q	4,543	3,849	3,258	2,757	2,282	1,855	1,507	1,204
			P	1.96	1.95	1.9	1.82	1.73	1.62	1.51	1.35
FLEX+300X8	3	32°C	Q	5,848	5,096	4,457	3,822	3,252	2,657	2,237	1,916
			P	2.04	2	1.94	1.82	1.71	1.59	1.47	1.38
		35°C	Q	5,592	4,892	4,255	3,646	3,102	2,536	2,142	1,843
			P	2.18	2.14	2.05	1.93	1.82	1.7	1.58	1.48
		38°C	Q	5,336	4,689	4,054	3,472	2,954	2,417	2,047	1,772
			P	2.31	2.29	2.15	2.04	1.92	1.81	1.68	1.58
		43°C	Q	-	4,329	3,716	3,191	2,725	2,238	1,911	1,672
			P	-	2.54	2.33	2.21	2.09	1.96	1.84	1.71
FLEX+350X8	3 1/2	32°C	Q	7,815	6,754	5,850	4,571	3,813	3,285	2,628	2,238
			P	2.06	2.03	2.06	1.94	1.82	1.7	1.57	1.49
		35°C	Q	7,477	6,489	5,589	4,365	3,642	3,139	2,518	2,157
			P	2.22	2.19	2.18	2.06	1.94	1.82	1.69	1.59
		38°C	Q	7,139	6,222	5,327	4,158	3,470	2,994	2,409	2,076
			P	2.37	2.35	2.29	2.18	2.06	1.94	1.81	1.7
		43°C	Q	6,567	5,785	4,914	3,843	3,218	2,786	2,258	1,967
			P	2.63	2.61	2.48	2.36	2.24	2.11	1.97	1.84
FLEX+400X8	4	32°C	Q	9,761	8,530	7,386	5,863	4,909	4,249	3,449	3,042
			P	2.99	2.93	2.79	2.66	2.54	2.36	2.2	2.04
		35°C	Q	9,320	8,182	7,044	5,589	4,681	4,054	3,300	2,927
			P	3.17	3.12	2.93	2.8	2.68	2.5	2.34	2.17
		38°C	Q	8,877	7,832	6,700	5,315	4,453	3,859	3,151	2,812
			P	3.35	3.31	3.07	2.94	2.82	2.64	2.48	2.29
		43°C	Q	-	7,197	6,108	4,862	4,090	3,559	2,930	2,648
			P	-	3.66	3.31	3.17	3.04	2.86	2.69	2.46
FLEX+550X8	5 1/2	32°C	Q	12,462	10,865	9,429	7,803	6,291	5,054	4,147	3,458
			P	3.36	3.28	3.18	3.03	2.84	2.61	2.42	2.33
		35°C	Q	11,913	10,427	8,999	7,442	6,000	4,823	3,968	3,329
			P	3.58	3.52	3.36	3.21	3.02	2.78	2.6	2.5
		38°C	Q	11,361	9,988	8,569	7,083	5,710	4,592	3,790	3,201
			P	3.81	3.75	3.53	3.39	3.2	2.96	2.77	2.67
		43°C	Q	10,373	9,225	7,857	6,508	5,263	4,250	3,535	3,022
			P	4.21	4.17	3.82	3.67	3.48	3.22	3.03	2.9
FLEX+600X8	6	32°C	Q	14,253	12,488	10,576	8,747	7,241	5,999	4,982	3,950
			P	4.12	4.03	3.75	3.66	3.49	3.3	3.03	2.72
		35°C	Q	13,616	11,979	10,085	8,338	6,901	5,722	4,765	3,801
			P	4.39	4.31	3.95	3.87	3.7	3.51	3.25	2.91
		38°C	Q	12,976	11,467	9,594	7,929	6,563	5,446	4,549	3,654
			P	4.65	4.59	4.15	4.08	3.91	3.73	3.47	3.1
		43°C	Q	-	10,546	8,753	7,256	6,027	5,024	4,230	3,443
			P	-	5.09	4.49	4.42	4.25	4.06	3.79	3.37

Q = Capacity (Kcal/h)
P = Consumed power (kW)
Capacities are based on the following conditions:
- Capacity at 60Hz, if 50Hz multiply it by 0.83
- Suction temperature: 18.3ºC / Subcooling: 3.2ºC
- To obtain the capacity in BTU/h multiply it by 3.9
- To obtain the capacity in BTU/h divide it by 860
- To obtain the temperature in °F: (Value °C × 1.8)+32 = Value °F

Q = Capacidad (Kcal / h)
P = Energía consumida (kW)
Las capacidades se basan en las siguientes condiciones:
- Capacidad a 60Hz,para 50Hz multiplicar por 0.83
- Temperatura de aspiración: 18,3 ° C / Subenfriamiento: 3,2 ° C
- Para obtener la capacidad en BTU / h multiplicar por 3.9
- Para obtener la capacidad en kW dividir por 860
- Para obtener la temperatura en °F: (Value °C × 1.8)+32 = Value °F

Capacity data / Datos de capacidad

Model	HP	Ambient Temperature Ambiente		Cold storage capacity / Capacidad Frigorífica [Kcal/h] Evaporation temperature / Temperatura de Evaporación [°C]					
				5°C	0°C	-5°C	-10°C	-15°C	-17.5°C
Copeland Alternative - High and medium temperature - R22									
Copeland Recíproco - Alta e média temperatura - R22									
FLEX+175H2	1 3/4	32°C	Q	4,160	3,520	2,880	2,270	1,720	1,450
			P	1.47	1.33	1.22	1.13	1.02	0.96
		35°C	Q	3,960	3,350	2,740	2,160	1,640	1,380
			P	1.47	1.35	1.24	1.14	1.03	0.98
		38°C	Q	3,760	3,180	2,600	2,050	1,560	1,310
			P	1.51	1.38	1.26	1.16	1.05	0.99
		43°C	Q	3,300	2,790	2,280	1,800	1,370	1,150
			P	1.6	1.45	1.32	1.2	1.08	1.02
FLEX+225H2	5 1/4	32°C	Q	6,220	5,220	4,240	3,320	2,530	2,190
			P	2.18	1.96	1.78	1.64	1.5	1.44
		35°C	Q	5,920	4,970	4,040	3,160	2,410	2,090
			P	2.18	2	1.82	1.66	1.51	1.45
		38°C	Q	5,620	4,720	3,840	3,000	2,290	1,990
			P	2.25	2.04	1.85	1.69	1.54	1.47
		43°C	Q	4,930	4,140	3,370	2,630	2,010	1,740
			P	2.38	2.14	1.93	1.74	1.58	1.51
FLEX+250H2	2 1/2	32°C	Q	6,950	5,840	4,740	3,710	2,830	2,440
			P	2.58	2.32	2.1	1.94	1.77	1.7
		35°C	Q	6,620	5,560	4,510	3,530	2,700	2,320
			P	2.62	2.36	2.15	1.97	1.79	1.72
		38°C	Q	6,290	5,280	4,280	3,350	2,560	2,200
			P	2.66	2.41	2.18	2	1.82	1.74
		43°C	Q	5,510	4,630	3,750	2,940	2,240	1,930
			P	2.82	2.54	2.28	2.06	1.87	1.79
FLEX+275H2	2 3/4	32°C	Q	8,180	6,800	5,460	4,220	3,140	2,630
			P	2.9	2.66	2.47	2.28	2.07	1.97
		35°C	Q	7,790	6,470	5,200	4,020	2,990	2,500
			P	2.99	2.74	2.51	2.29	2.08	1.98
		38°C	Q	7,400	6,150	4,940	3,820	2,840	2,370
			P	3.05	2.79	2.54	2.31	2.1	1.99
		43°C	Q	6,480	5,390	4,330	3,350	2,490	2,080
			P	3.15	2.88	2.61	2.35	2.12	2.01
FLEX+300H2	3	32°C	Q	9,100	7,560	6,070	4,700	3,490	2,930
			P	2.97	2.74	2.53	2.34	2.13	2.02
		35°C	Q	8,670	7,200	5,780	4,480	3,320	2,790
			P	3.07	2.81	2.58	2.36	2.14	2.03
		38°C	Q	8,240	6,840	5,490	4,260	3,150	2,650
			P	3.13	2.86	2.61	2.37	2.15	2.05
		43°C	Q	7,220	6,000	4,810	3,730	2,760	2,320
			P	3.23	2.95	2.68	2.41	2.18	2.07
FLEX+350H2	3 1/2	32°C	Q	9,950	8,270	6,640	5,140	3,820	3,200
			P	3.27	3.01	2.79	2.57	2.34	2.22
		35°C	Q	9,480	7,880	6,320	4,890	3,640	3,050
			P	3.38	3.09	2.83	2.59	2.35	2.24
		38°C	Q	9,000	7,480	6,000	4,640	3,460	2,900
			P	3.44	3.15	2.87	2.61	2.37	2.25
		43°C	Q	7,890	6,560	5,260	4,070	3,030	2,540
			P	3.55	3.25	2.95	2.65	2.39	2.27
FLEX+450H2	4 1/2	32°C	Q	12,590	10,460	8,400	6,500	4,840	4,050
			P	4.01	3.72	3.39	3.05	2.66	2.47
		35°C	Q	11,990	9,960	8,000	6,190	4,610	3,860
			P	4.16	3.84	3.46	3.08	2.68	2.49
		38°C	Q	11,390	9,460	7,600	5,880	4,380	3,670
			P	4.29	3.92	3.5	3.09	2.7	2.51
		43°C	Q	9,980	8,290	6,660	5,150	3,840	3,220
			P	4.44	4	3.54	3.11	2.72	2.53
FLEX+500H2	5	32°C	Q	13,830	11,430	9,150	7,040	5,230	4,370
			P	4.4	4.07	3.7	3.31	2.88	2.67
		35°C	Q	13,170	10,880	8,710	6,700	4,980	4,160
			P	4.57	4.19	3.76	3.33	2.9	2.69
		38°C	Q	12,510	10,330	8,270	6,360	4,730	3,950
			P	4.71	4.28	3.81	3.34	2.92	2.7
		43°C	Q	10,960	9,050	7,250	5,570	4,150	3,460
			P	4.87	4.37	3.85	3.36	2.93	2.72
FLEX+600H2	6	32°C	Q	16,010	13,280	10,660	8,240	6,140	5,140
			P	5.35	4.96	4.57	4.18	3.71	3.47
		35°C	Q	15,250	12,650	10,150	7,850	5,850	4,890
			P	5.57	5.12	4.67	4.22	3.73	3.49
		38°C	Q	14,490	12,020	9,640	7,460	5,560	4,640
			P	5.73	5.25	4.75	4.27	3.76	3.52
		43°C	Q	12,700	10,540	8,450	6,540	4,870	4,070
			P	5.96	5.4	4.84	4.32	3.81	3.57

Capacity data / Datos de capacidad

Model	HP	Ambient Temperature Ambiente		Cold storage capacity / Capacidad Frigorífica [Kcal/h] Evaporation temperature / Temperatura de Evaporación [°C]					
				10°C	5°C	0°C	-5°C	-10°C	-15°C
Copeland Scroll - High temperature - R-134a									
Copeland Scroll - High temperature - R-134a									
FLEX+200X8	2	32°C	Q	3,054	2,585	2,187	1,825	1,503	1,221
			P	0.9	0.85	0.81	0.76	0.71	0.67
		35°C	Q	2,959	2,504	2,115	1,765	1,455	1,185
			P	0.96	0.9	0.85	0.81	0.76	0.71
		38°C	Q	2,863	2,423	2,044	1,705	1,407	1,150
			P	1.01	0.95	0.9	0.85	0.8	0.75
		43°C	Q	2,689	2,284	1,926	1,611	1,335	1,097
			P	1.11	1.04	0.98	0.92	0.87	0.81
FLEX+220X8	2	32°C	Q	3,848	3,244	2,734	2,260	1,852	1,496
			P	0.94	0.9	0.86	0.82	0.78	0.74
		35°C	Q	3,730	3,145	2,645	2,187	1,793	1,453
			P	1	0.96	0.92	0.87	0.83	0.78
		38°C	Q	3,613	3,046	2,558	2,115	1,736	1,411
			P	1.07	1.02	0.97	0.93	0.88	0.83
		43°C	Q	3,432	2,900	2,432	2,015	1,659	1,355
			P	1.16	1.11	1.05	1	0.94	0.89
FLEX+250X8	2 1/2	32°C	Q	4,334	3,666	3,078	2,563	2,100	1,698
			P	1.13	1.08	1.03	0.98	0.92	0.87
		35°C	Q	4,199	3,550	2,977	2,478	2,033	1,648
			P	1.2	1.15	1.09	1.04	0.98	0.92
		38°C	Q	4,066	3,435	2,878	2,395	1,967	1,600
			P	1.27	1.21	1.15	1.1	1.04	0.98
		43°C	Q	3,850	3,257	2,730	2,276	1,875	1,535
			P	1.39	1.32	1.25	1.18	1.12	1.05
FLEX+300X8	3	32°C	Q	5,098	4,321	3,641	3,039	2,500	2,027
			P	1.36	1.29	1.23	1.16	1.09	1.03
		35°C	Q	4,941	4,186	3,524	2,940	2,420	1,968
			P	1.44	1.37	1.3	1.23	1.16	1.09
		38°C	Q	4,785	4,052	3,409	2,843	2,340	1,909
			P	1.53	1.45	1.38	1.3	1.22	1.15
		43°C	Q	4,517	3,834	3,229	2,698	2,226	1,828
			P	1.67	1.58	1.49	1.4	1.32	1.23
FLEX+350X8	3 1/2	32°C	Q	5,896	5,004	4,228	3,547	2,946	2,387
			P	1.45	1.39	1.32	1.26	1.19	1.12
		35°C	Q	5,711	4,850	4,100	3,439	2,859	2,326
			P	1.54	1.48	1.41	1.34	1.26	1.19
		38°C	Q	5,526	4,695	3,972	3,331	2,773	2,265
			P	1.64	1.57	1.49	1.42	1.34	1.26
		43°C	Q	5,230	4,458	3,782	3,175	2,652	2,184
			P	5230	4458	3782	3175	2652	2184
FLEX+400X8	4	32°C	Q	7,681	6,511	5,492	4,571	3,768	3,057
			P	1.88	1.78	1.68	1.59	1.49	1.4
		35°C	Q	7,438	6,304	5,314	4,421	3,646	2,969
			P	1.99	1.89	1.78	1.68	1.58	1.48
		38°C	Q	7,194	6,098	5,135	4,271	3,524	2,882
			P	2.11	1.99	1.88	1.78	1.67	1.57
		43°C	Q	6,768	5,753	4,851	4,042	3,346	2,757
			P	2.31	2.17	2.05	1.92	1.81	1.68
FLEX+550X8	5 1/2	32°C	Q	9,639	8,185	6,893	5,758	4,740	3,808
			P	2.24	2.13	2.01	1.9	1.79	1.68
		35°C	Q	9,340	7,921	6,669	5,565	4,585	3,705
			P	2.38	2.26	2.13	2.02	1.9	1.78
		38°C	Q	9,041	7,659	6,446	5,372	4,432	3,604
			P	2.52	2.39	2.26	2.13	2.01	1.89
		43°C	Q	8,538	7,237	6,102	5,087	4,213	3,463
			P	2.76	2.6	2.45	2.31	2.17	2.03
FLEX+600X8	6	32°C	Q	10,528	8,941	7,529	6,303	5,179	4,224
			P	2.61	2.46	2.32	2.19	2.05	1.93
		35°C	Q	10,197	8,654	7,287	6,094	5,014	4,097
			P	2.76	2.61	2.46	2.32	2.17	2.04
		38°C	Q	9,865	8,367	7,047	5,887	4,850	3,971
			P	2.92	2.76	2.6	2.45	2.3	2.16
		43°C	Q	9,289	7,892	6,665	5,571	4,610	3,792
			P	3.19	3	2.82	2.65	2.49	2.32

Q = Capacity (Kcal/h)
P = Consumed power (kW)
Capacities are based on the following conditions:
- Capacity at 60Hz, if 50Hz multiply it by 0.83
- Suction temperature: 18.3ºC / Subcooling: 3.2ºC
- To obtain the capacity in BTU/h multiply it by 3.9
- To obtain the capacity in BTU/h divide it by 860
- To obtain the temperature in °F: (Value °C × 1.8)+32 = Value °F

Q = Capacidad (Kcal / h)
P = Energía consumida (kW)
Las capacidades se basan en las siguientes condiciones:
- Capacidad a 60Hz,para 50Hz multiplicar por 0.83
- Temperatura de aspiración: 18,3 ° C / Subenfriamiento: 3,2 ° C
- Para obtener la capacidad en BTU / h multiplicar por 3.9
- Para obtener la capacidad en kW dividir por 860
- Para obtener la temperatura en °F: (Value °C × 1.8)+32 = Value °F

Capacity data / Datos de capacidad

Model	HP	Ambient Temperature Ambiente		Cold storage capacity / Capacidad Frigorífica [Kcal/h] Evaporation temperature / Temperatura de Evaporación [°C]						
				5°C	0°C	-5°C	-10°C	-15°C	-20°C	-25°C
Copeland Scroll - Medium and low temperature - R-448A - 449A										
Copeland Scroll - Media y baja temperatura - R-448A - 449A										
FLEX+200X8	2	32°C	Q	3,224	2,891	2,501	2,138	1,764	1,420	1,119
			P	1.4	1.37	1.31	1.22	1.12	1.01	0.89
		35°C	Q	3,076	2,770	2,384	2,037	1,682	1,355	1,071
			P	1.49	1.46	1.39	1.29	1.19	1.07	0.95
		38°C	Q	2,927	2,649	2,267	1,936	1,600	1,290	981
			P	1.58	1.56	1.46	1.36	1.26	1.14	1.02
		43°C	Q	2,640	2,423	2,060	1,764	1,465	1,181	-
			P	1.76	1.74	1.58	1.48	1.37	1.24	-
FLEX+220X8	2	32°C	Q	4,243	3,657	3,170	2,687	2,241	1,756	1,363
			P	1.35	1.32	1.31	1.27	1.18	1.1	1.01
		35°C	Q	4,063	3,515	3,030	2,567	2,140	1,678	1,306
			P	1.45	1.43	1.39	1.35	1.26	1.18	1.09
		38°C	Q	3,884	3,374	2,891	2,449	2,042	1,601	1,250
			P	1.55	1.54	1.47	1.42	1.34	1.25	1.16
		43°C	Q	3,589	3,149	2,679	2,274	1,900	1,495	-
			P	1.72	1.71	1.58	1.54	1.45	1.36	-
FLEX+250X8	2 1/2	32°C	Q	4,947	4,197	3,561	3,011	2,483	2,008	1,614
			P	1.62	1.61	1.56	1.48	1.4	1.3	1.2
		35°C	Q	4,739	4,015	3,401	2,874	2,371	1,918	1,545
			P	1.71	1.69	1.65	1.57	1.49	1.39	1.28
		38°C	Q	4,531	3,834	3,244	2,739	2,260	1,830	1,478
			P	1.79	1.78	1.74	1.66	1.58	1.47	1.37
		43°C	Q	4,172	3,534	2,992	2,532	2,096	1,703	-
			P	1.94	1.93	1.88	1.8	1.71	1.6	-
FLEX+300X8	3	32°C	Q	5,370	4,679	4,093	3,510	2,986	2,440	2,054
			P	2.02	1.98	1.92	1.8	1.69	1.58	1.45
		35°C	Q	5,135	4,492	3,908	3,349	2,849	2,329	1,967
			P	2.15	2.12	2.02	1.91	1.8	1.68	1.56
		38°C	Q	4,900	4,306	3,723	3,189	2,713	2,219	-
			P	2.29	2.26	2.13	2.01	1.9	1.78	-
		43°C	Q	-	3,975	3,412	2,931	2,502	-	-
			P	-	2.51	2.3	2.18	2.06	-	-
FLEX+350X8	3 1/2	32°C	Q	7,176	6,203	5,372	4,198	3,502	3,017	2,413
			P	2.04	2	2.03	1.92	1.8	1.68	1.55
		35°C	Q	6,867	5,959	5,132	4,008	3,344	2,883	2,313
			P	2.19	2.16	2.15	2.03	1.92	1.8	1.67
		38°C	Q	6,556	5,714	4,892	3,818	3,187	2,749	2,213
			P	2.34	2.32	2.27	2.15	2.04	1.91	1.79
		43°C	Q	6,031	5,312	4,513	3,529	2,955	2,558	-
			P	2.6	2.58	2.45	2.33	2.21	2.08	-
FLEX+400X8	4	32°C	Q	8,964	7,834	6,783	5,384	4,508	3,902	3,168
			P	2.95	2.9	2.76	2.63	2.51	2.34	2.17
		35°C	Q	8,559	7,514	6,468	5,133	4,299	3,723	3,031
			P	3.13	3.09	2.9	2.77	2.64	2.47	2.31
		38°C	Q	8,152	7,192	6,152	4,881	4,089	3,543	-
			P	3.31	3.27	3.03	2.9	2.78	2.61	-
		43°C	Q	-	6,610	5,609	4,464	3,756	-	-
			P	-	3.62	3.27	3.13	3	-	-
FLEX+550X8	5 1/2	32°C	Q	11,444	9,978	8,659	7,166	5,777	4,641	3,808
			P	3.32	3.24	3.14	3	2.81	2.58	2.39
		35°C	Q	10,940	9,575	8,264	6,834	5,510	4,429	3,644
			P	3.54	3.47	3.32	3.17	2.99	2.75	2.56
		38°C	Q	10,433	9,172	7,869	6,504	5,243	4,217	3,481
			P	3.76	3.71	3.49	3.35	3.16	2.92	2.74
		43°C	Q	9,525	8,471	7,215	5,976	4,834	3,903	-
			P	4.16	4.12	3.77	3.63	3.44	3.18	-
FLEX+600X8	6	32°C	Q	13,088	11,468	9,712	8,032	6,649	5,509	4,575
			P	4.07	3.98	3.71	3.61	3.45	3.26	2.99
		35°C	Q	12,504	11,000	9,262	7,657	6,338	5,255	4,375
			P	4.33	4.26	3.9	3.82	3.66	3.47	3.21
		38°C	Q	11,916	10,531	8,810	7,281	6,027	5,001	-
			P	4.6	4.53	4.1	4.03	3.87	3.68	-
		43°C	Q	-	9,685	8,038	6,663	5,535	-	-
			P	-	5.03	4.44	4.37	4.2	-	-

Q = Capacity (Kcal/h)
P = Consumed power (kW)
Capacities are based on the following conditions:
- Capacity at 60Hz, if 50Hz multiply it by 0.83
- Suction temperature: 18.3ºC / Subcooling: 3.2ºC
- To obtain the capacity in BTU/h multiply it by 3.9
- To obtain the capacity in BTU/h divide it by 860
- To obtain the temperature in °F: (Value °C × 1.8)+32 = Value °F

Q = Capacidad (Kcal / h)
P = Energía consumida (kW)
Las capacidades se basan en las siguientes condiciones:
- Capacidad a 60Hz,para 50Hz multiplicar por 0.83
- Temperatura de aspiración: 18,3 ° C / Subenfriamiento: 3,2 ° C
- Para obtener la capacidad en BTU / h multiplicar por 3.9
- Para obtener la capacidad en kW dividir por 860
- Para obtener la temperatura en °F: (Value °C × 1.8)+32 = Value °F

Electrical data / Datos eléctricos

Model	Compressor / Compresor											Fans			
	Model	Electrical feature Característica eléctrica			RLA	MCC	LRA	Load of oil/ aceite	Relay Relay	Capacitor Capacitor		Electrical feature elétrica Característica eléctrica			
										Starter Arranque	Run Marcha				
		V	F	Hz	A	A	A	l		µFD/VAC		V	F	Hz	A
Copeland Alternative - R22															
Copeland Recíproco - R22															
FLEX+175H2BH	CR20K6M-PFV	220	1	60	12.9	18.0	60.0	1.3	RVA3AH6D	145-174/250	35/440V	220	1	60	0.87
FLEX+175H2HH	CR18K6-PFJ	220	1	50	9.1	12.8	44.0	1.3	RVA3AH6D	108-130/330	35/440V	220	1	50	0.87
FLEX+175H2WH	CR18K6-TFD	380	3	60/50	3.0	4.2	23.0	1.3	-	-	-	220	1	60/50	0.87
FLEX+175H2YH	CR18K6-TF5	220	3	60/50	6.1	8.5	49.0	1.3	-	-	-	220	1	60/50	0.87
FLEX+225H2BH	CR24K6M-PFV	220	1	60	12.9	18.0	60.0	1.3	RVA3AH6D	145-174/250	35/440V	220	1	60	0.87
FLEX+225H2CH	CR24K6M-TF5	220	3	60/50	9.3	13.0	55.0	1.3	-	-	-	220	1	60/50	0.87
FLEX+225H2HH	CR24K6M-PFZ	220	1	50	9.6	13.4	61.0	1.3	RVA2AE6D	145-174/250	35/440V	220	1	50	0.87
FLEX+225H2WH	CR24K6M-TFD	380	3	60/50	3.9	5.5	28.0	1.3	-	-	-	220	1	60/50	0.87
FLEX+250H2BH	CR27K6M-PFV	220	1	60	13.6	19.0	77.0	1.3	RVA3AH6D	145-174/250	45/440	220	1	60	0.87
FLEX+250H2WH	CR28K6-TFD	380	3	60/50	4.8	6.7	34.0	1.3	-	-	-	220	1	60/50	0.87
FLEX+250H2YH	CR28K6-TF5	220	3	60/50	10.0	14.0	68.0	1.3	-	-	-	220	1	60/50	0.87
FLEX+275H2BH	CR32K6M-PFV	220	1	60	22.0	30.8	88.0	1.3	RVA3AH6D	145-174/250	45/440	220	1	60	0.87
FLEX+300H2BH	CR34K6M-PFV	220	1	60	20.0	28.0	88.0	1.3	RVA2AE6D	145-174/330	45/440	220	1	60	0.87
FLEX+300H2CH	CR34K6M-TF5	220	3	60/50	10.7	15.0	77.0	1.3	-	-	-	220	1	60/50	0.87
FLEX+300H2WH	CR34K6M-TFD	380	3	60/50	5.7	8.0	41.0	1.3	-	-	-	220	1	60/50	0.87
FLEX+350H2BH	CR37K6M-PFV	220	1	60	18.9	26.5	86.0	1.3	RVA3AH6D	189-227/330	50/440	220	1	60	0.87
FLEX+350H2CH	CR37K6M-TF5	220	3	60/50	11.6	16.2	100.0	1.3	-	-	-	220	1	60/50	0.87
FLEX+350H2WH	CR37K6M-TFD	380	3	60/50	6.5	9.1	45.0	1.3	-	-	-	220	1	60/50	0.87
FLEX+450H2BH	CR47KQM-PFV	220	1	60	26.1	36.5	115.0	1.3	RVA6AM6D	189-227/330	40/440	220	1	60	2.1
FLEX+450H2CH	CR47KQM-TF5	220	3	60/50	18.4	25.7	125.0	1.3	-	-	-	220	1	60/50	2.1
FLEX+450H2WH	CR47KQM-TFD	380	3	60/50	7.9	11.0	60.0	1.3	-	-	-	220	1	60/50	2.1
FLEX+500H2BH	CR53KQ-PFV	220	1	60	28.9	40.5	140.0	1.3	RVA6AM6D	189-227/330	40/440	220	1	60	2.1
FLEX+500H2CH	CR53KQM-TF5	220	3	60/50	20.0	28.0	135.0	1.3	-	-	-	220	1	60/50	2.1
FLEX+500H2WH	CR53KQM-TFD	380	3	60/50	9.9	13.8	61.0	1.3	-	-	-	220	1	60/50	2.1
FLEX+600H2BH	CR62KQM-PFV	220	1	60	35.0	49.0	155.0	2.0	RVA3AH6D	189-227/330	60/440	220	1	60	2.1
FLEX+600H2CH	CR62KQM-TF5	220	3	60/50	23.4	32.8	125.0	2.0	-	-	-	220	1	60/50	2.1
FLEX+600H2WH	CR62KQM-TFD	380	3	60/50	11.4	16.0	55.0	2.0	-	-	-	220	1	60/50	2.1
Copeland Alternative - R404 / 507															
Copeland Recíproco - R404 / 507															
FLEX+200X6BI	CS10K6ME-PFV	220	1	60	13.6	19	56	1.3	RVA4AH6D	189-227/330	35/440	220	1	60	0.87
FLEX+200X6HI	CS10K6ME-PFJ	220	1	50	10.6	14.9	56	1.3	RVA4AH6D	189-227/330	35/440	220	1	50	0.87
FLEX+200X6YI	CS10K6ME-TF5	220	3	60/50	9.3	13	50	1.3	-	-	-	220	1	60/50	0.87
FLEX+250X6BI	CS12K6ME-PFV	220	1	60	11.1	15.6	61	1.3	RVA4AH6D	189-227/330	35/440	220	1	60	0.87
FLEX+250X6YI	CS12K6ME-TF5	220	3	60/50	7.5	10.5	51	1.3	-	-	-	220	1	60/50	0.87
FLEX+300X6BI	CS14K6ME-PFV	220	1	60	15.4	21.5	77	1.3	RVA4AH6D	189-227/330	35/440	220	1	60	0.87
FLEX+300X6WI	CS14K6ME-TFD	380	3	60/50	4.9	6.8	32	1.3	-	-	-	220	1	60/50	0.87
FLEX+300X6YI	CS14K6ME-TF5	220	3	60/50	9.6	13.5	55	1.3	-	-	-	220	1	60/50	0.87
FLEX+350X6BI	CS18K6ME-PFV	220	1	60	14.6	20.5	80	1.3	RVA6AM6D	189-227/330	35/440	220	1	60	0.87
FLEX+350X6WI	CS18K6ME-TFD	380	3	60/50	5.9	8.2	35	1.3	-	-	-	220	1	60/50	0.87
FLEX+350X6YI	CS18K6ME-TF5	220	3	60/50	12.1	17	77	1.3	-	-	-	220	1	60/50	0.87
FLEX+400X6BI	CS20K6ME-PFV	220	1	60	17.1	24	99	1.3	RVA6AM6D	189-227/330	45/440	220	1	60	0.87
FLEX+400X6WI	CS20K6ME-TFD	380	3	60/50	7.1	10	47	1.3	-	-	-	220	1	60/50	0.87
FLEX+400X6YI	CS20K6ME-TF5	220	3	60/50	15.7	22	73	1.3	-	-	-	220	1	60/50	0.87
FLEX+500X6CI	CS27KQME-TF5	220	3	60/50	18.6	26	135	1.3	-	-	-	220	1	60/50	2.1
FLEX+500X6WI	CS27KQME-TFD	380	3	60/50	9.9	13.8	60	1.3	-	-	-	220	1	60/50	2.1
FLEX+600X6CI	CS33KQME-TF5	220	3	60/50	20	28	125	1.3	-	-	-	220	1	60/50	2.1
FLEX+600X6WI	CS33KQME-TFD	380	3	60/50	11.4	16	50	1.3	-	-	-	220	1	60/50	2.1

For items whose frequency is 60/50Hz, the data refers to 60Hz
RLA = Compressor rated current
LRA = Compressor blocker rotor current
MCC = Compressor maximum operational current
Oil load to the compressor in the case of maintenance
Mineral Oil ISO 32 = R-22
Polyolester Oil ISO 32 = R-404A/R-448A/R-449A/R-134a/R-507

Para elementos cuya frecuencia es 60/50Hz, los datos son relativos a 60Hz
RLA = Corriente nominal del compresor
LRA = Corriente del rotor bloqueada del compresor
MCC = Corriente máxima de funcionamiento del compresor
Carga de aceite para el compresor en caso de mantenimiento
Aceite Mineral ISO 32 = R-22
Aceite Poliol Éster ISO 32 = R-404A/R-448A/R-449A/R134a/R-507

Electrical data / Datos eléctricos

Model	Compressor / Compresor											Fans			
	Model	Electrical feature Característica eléctrica			RLA	MCC	LRA	Load of oil/ aceite	Relay Relay	Capacitor Capacitor		Electrical feature elétrica Característica eléctrica			
										Starter Arranque	Run Marcha				
		V	F	Hz	A	A	A	l		µFD/VAC		V	F	Hz	A
Copeland Scroll															
Copeland Scroll															
FLEX+200X8BZ	ZS09KAE-PFV	220	1	60	9.3	13.0	40.0	0.74	RVA2AE6D	88-108/330	40/440	220	1	60	0.87
FLEX+200X8YZ	ZS09KAE-TF5	220	3	60/50	8.0	10.2	55.0	0.74	-	-	-	220	1	60/50	0.87
FLEX+200X8FZ	ZS09KAE-TFD	380	3	50	3.8	4.6	28.0	0.74	-	-	-	220	1	50	0.87
FLEX+200X8HZ	ZS09KAE-PFJ	220	1	50	8.9	12.5	45.0	0.74	RVA2AE6D	88-108/330	40/440	220	1	50	0.87
FLEX+220X8BZ	ZS11KAE-PFV	220	1	60	12.6	14.2	55.0	0.74	RVA2AE6D	88-108/330	40/440	220	1	60	0.87
FLEX+220X8YZ	ZS11KAE-TF5	220	3	60/50	10.4	10.4	58.0	0.74	-	-	-	220	1	60/50	0.87
FLEX+220X8FZ	ZS11KAE-TFD	380	3	50	4.3	5.3	28.0	0.74	-	-	-	220	1	50	0.87
FLEX+220X8EZ	ZS11KAE-TF7	380	3	60	4.9	6.8	29.0	0.74	-	-	-	220	1	60	0.87
FLEX+220X8HZ	ZS11KAE-PFJ	220	1	50	10.3	14.4	45.0	0.74	RVA2AE6D	88-108/330	20/440	220	1	50	0.87
FLEX+250X8BZ	ZS13KAE-PFV	220	1	60	12.0	16.8	56.0	0.74	RVA2AE6D	88-108/330	35/440	220	1	60	0.87
FLEX+250X8YZ	ZS13KAE-TF5	220	3	60/50	9.7	13.6	58.0	0.74	-	-	-	220	1	60/50	0.87
FLEX+250X8FZ	ZS13KAE-TFD	380	3	50	4.8	6.7	29.0	0.74	-	-	-	220	1	50	0.87
FLEX+250X8EZ	ZS13KAE-TF7	380	3	60	4.9	6.8	29.0	0.74	-	-	-	220	1	60	0.87
FLEX+250X8HZ	ZS13KAE-PFJ	220	1	50	11.3	15.8	54.0	0.74	RVA3AH6D	88-108/330	35/440	220	1	50	0.87
FLEX+300X8BZ	ZS15KAE-PFV	220	1	60	15.7	15.7	68.0	0.74	RVA2AE6D	88-108/330	40/440	220	1	60	0.87
FLEX+300X8YZ	ZS15KAE-TF5	220	3	60/50	10.6	10.6	58.0	0.74	-	-	-	220	1	60/50	0.87
FLEX+300X8FZ	ZS15KAE-TFD	380	3	50	5.4	6.4	29.0	0.74	-	-	-	220	1	50	0.87
FLEX+300X8EZ	ZS15K4E-TF7	380	3	60	5.5	7.7	30.0	0.74	-	-	-	220	1	60	0.87
FLEX+300X8HZ	ZS15KAE-PFJ	220	1	50	13.9	19.4	61.0	0.74	RVA2AE6D	88-108/330	35/440	220	1	50	0.87
FLEX+350X8BZ	ZS19KAE-PFV	220	1	60	18.0	18.0	75.0	0.74	RVA2AE6D	88-108/330	45/440	220	1	60	0.87
FLEX+350X8YZ	ZS19KAE-TF5	220	3	60/50	13.7	13.7	73.0	0.74	-	-	-	220	1	60/50	0.87
FLEX+350X8FZ	ZS19KAE-TFD	380	3	50	6.5	7.5	38.0	0.74	-	-	-	220	1	50	0.87
FLEX+350X8EZ	ZS19KAE-TF7	380	3	60	6.0	8.4	38.0	0.74	-	-	-	220	1	60	0.87
FLEX+350X8HZ	ZS19KAE-PFJ	220	1	50	16.1	22.6	79.0	0.74	RVA2AE6D	88-108/330	45/440	220	1	50	0.87
FLEX+400X8BZ	ZS21KAE-PFV	220	1	60	23.2	23.0	112.0	0.74	RVA2AE6D	88-108/330	55/440	220	1	60	0.87
FLEX+400X8YZ	ZS21KAE-TF5	220	3	60/50	15.2	15.2	93.0	0.74	-	-	-	220	1	60/50	0.87
FLEX+400X8FZ	ZS21KAE-TFD	380	3	50	6.9	7.9	48.0	0.74	-	-	-	220	1	50	0.87
FLEX+400X8EZ	ZS21KAE-TF7	380	3	60	8.1	11.4	46.0	0.74	-	-	-	220	1	60	0.87
FLEX+400X8HZ	ZS21KAE-PFJ	220	1	50	19.1	26.8	87.0	0.74	RVA2AC6D	88-108/330	60/440	220	1	50	0.87
FLEX+550X8BZ	ZS29KAE-PFV	220	1	60	26.1	36.5	137.0	1.24	RVA2AE6D	88-108/330	60/440	220	1	60	2.1
FLEX+550X8YZ	ZS29KAE-TF5	220	3	60/50	20.5	28.7	114.0	1.24	-	-	-	220	1	60/50	2.1
FLEX+550X8FZ	ZS29KAE-TFD	380	3	50	9.4	13.1	58.0	1.24	-	-	-	220	1	50	2.1
FLEX+550X8EZ	ZS29KAE-TF7	380	3	60	9.4	13.1	52.0	1.24	-	-	-	220	1	60	2.1
FLEX+550X8HZ	ZS29KAE-PFJ	220	1	50	21.6	30.3	133.0	1.24	RVA2AE6D	88-108/330	80/370	220	1	50	2.1
FLEX+600X8BZ	ZS33KAE-PFV	220	1	60	25.6	28.2	146.0	1.24	RVA2AE6D	88-108/330	80/370	220	1	60	2.1
FLEX+600X8YZ	ZS33KAE-TF5	220	3	60/50	22.3	22.3	114.0	1.24	-	-	-	220	1	60/50	2.1
FLEX+600X8FZ	ZS33KAE-TFD	380	3	50	10.0	11.0	52.0	1.24	-	-	-	220	1	50	2.1
FLEX+600X8EZ	ZS33KAE-TF7	380	3	60	9.9	13.9	65.0	1.24	-	-	-	220	1	60	2.1
FLEX+600X8HZ	ZS33KAE-PFJ	220	1	50	24.4	34.2	133.0	1.24	RVA2AE6D	88-108/330	80/370	220	1	50	2.1

For items whose frequency is 60/50Hz, the data refers to 60Hz
RLA = Compressor rated current
LRA = Compressor blocker rotor current
MCC = Compressor maximum operational current
Oil load to the compressor in the case of maintenance
Mineral Oil ISO 32 = R-22
Polyolester Oil ISO 32 = R-404A/R-448A/R-449A/R-134a/R-507

Para elementos cuya frecuencia es 60/50Hz, los datos son relativos a 60Hz
RLA = Corriente nominal del compresor
LRA = Corriente del rotor bloqueada del compresor
MCC = Corriente máxima de funcionamiento del compresor
Carga de aceite para el compresor en caso de mantenimiento
Aceite Mineral ISO 32 = R-22
Aceite Poliol Éster ISO 32 = R-404A/R-448A/R-449A/R134a/R-507

Physical data / Datos físicos

Model	Connections Conexiones		Liquid Tank Tanque de Líquido	Noise Level* Nivel de Ruído*	Fans	
	Liquid Líquido	**Suction** Succión			**Diameter** Diámetro	**Quantity** Cantidad
	"	"	l	dB	"	
Alternative - High and medium temperature						
Recíproco - Alta y media temperatura						
FLEX+175H2*H	1/2	3/4	4	64	450	1
FLEX+225H2*H	1/2	3/4	4	64	450	1
FLEX+250H2*H	1/2	3/4	4	64	450	1
FLEX+275H2*H	1/2	3/4	6	63	450	1
FLEX+300H2*H	1/2	3/4	6	63	450	1
FLEX+350H2*H	1/2	3/4	6	63	450	1
FLEX+450H2*H	1/2	3/4	6	67	550	1
FLEX+500H2*H	1/2	3/4	6	67	550	1
FLEX+600H2*H	1/2	3/4	6	67	550	1
Alternative - Medium and low temperature						
Recíproco - Media y baja temperatura						
FLEX+200X6*I	1/2	3/4	4	64	450	1
FLEX+250X6*I	1/2	3/4	4	64	450	1
FLEX+300X6*I	1/2	3/4	4	64	450	1
FLEX+350X6*I	1/2	3/4	6	63	450	1
FLEX+400X6*I	1/2	3/4	6	63	450	1
FLEX+500X6*I	1/2	3/4	6	67	550	1
FLEX+600X6*I	1/2	3/4	6	67	550	1
Scroll - Medium and low temperature						
Scroll - Média y baja temperatura						
FLEX+200X8*Z	1/2	3/4	4	55	450	1
FLEX+220X8*Z	1/2	3/4	4	55	450	1
FLEX+250X8*Z	1/2	3/4	4	56	450	1
FLEX+300X8*Z	1/2	3/4	4	60	450	1
FLEX+350X8*Z	1/2	3/4	6	57	450	1
FLEX+400X8*Z	1/2	3/4	6	61	450	1
FLEX+550X8*Z	1/2	3/4	6	60	550	1
FLEX+600X8*Z	1/2	3/4	6	61	550	1

Noise Level [dB] measured at 3 meters of distance, according to the standard.
The noise data above are typical for open field. The Condensing Units are cooled with horizontal air flow, the noise level is considered for air discharge. For reflexive conditions in the installation, the noise level can be significantly increased. Pay attention to the indoor applications, close to walls and background noise in the environment.

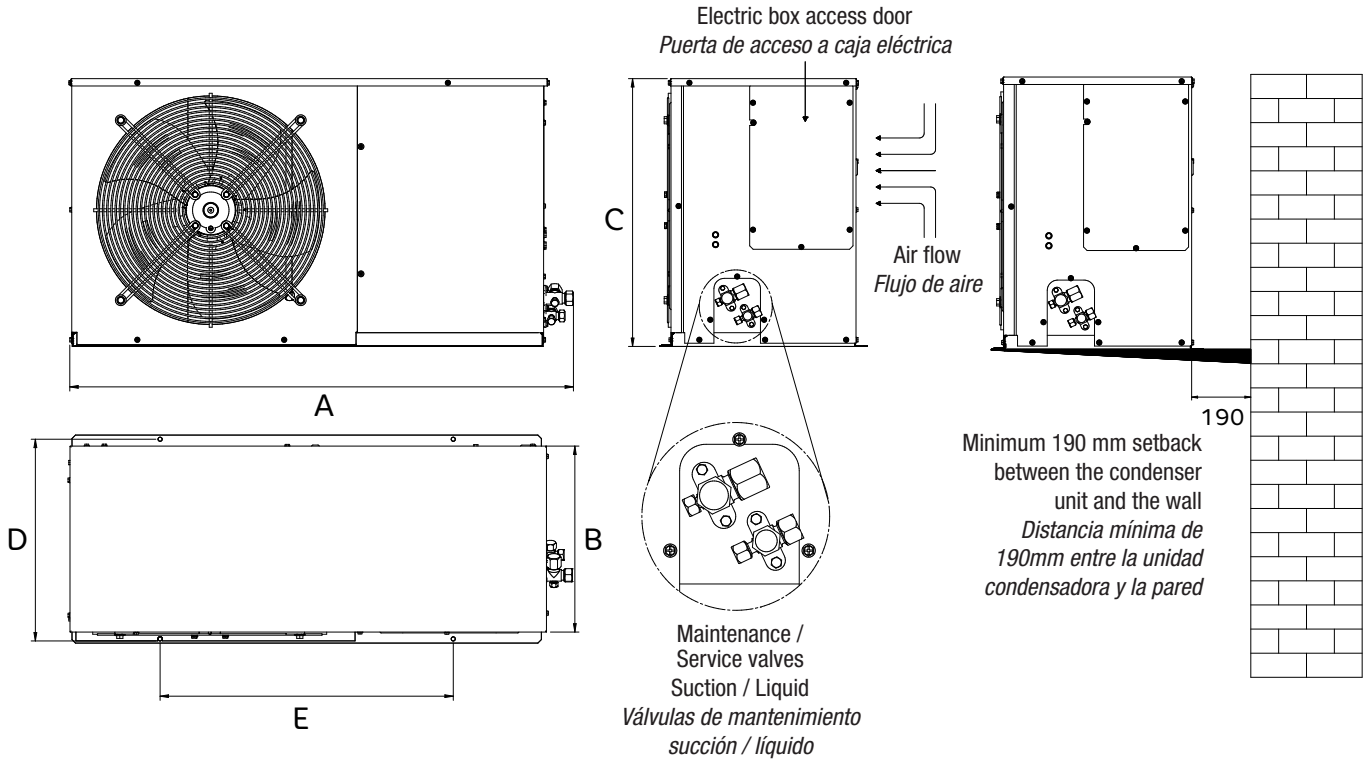
Nivel de Ruido [dB] medido a 3 metros de distancia, conforme norma. Los datos de ruido anteriores son típicos para campo abierto.Las unidades de condensación están refrigeradas por aire con un flujo horizontal, el nivel de ruido se considera en la descarga de aire.Para condiciones reflectantes en la instalación, el nivel de ruido puede aumentar significativamente. Atención en aplicaciones en entornos cerrados, cerca de paredes y ruido de fondo en el entorno.

Noise level correction value due to the distance
Valor de corrección del nivel de ruido en función de la distancia

Distance / Distancia	**5 m**	**10 m**	**15 m**	**20 m**
Subtract / Sustraer	**3db (A)**	**6 db (A)**	**10 db (A)**	**12 db (A)**

Dimensional data and weight / Datos dimensionales y peso

Model	Dimension / Dimension								Weight			
	Without packaging Sin embalaje			With packaging Con embalaje			Mounting dimension Dimensión de fijación		Net Neto		Gross Bruto	
	Length Largo A	Width Ancho B	Height Altura C	Length Largo A	Width Ancho B	Height Altura C	D	E	With/con Tank of liquid	With/con Tanque Líquido+ Accumulator Separator	With/con Tank of liquid	With/con Tank of liquid+ Accumulator Separator
	mm	mm	mm	mm	mm	mm	mm	mm	kg	kg	kg	kg
Alternative - Medium temperature												
Recíproco - Media temperatura												
FLEX+175H2*H	1,017	378	550	1,040	436	562	599	408	64	75	70	81
FLEX+225H2*H	1,017	378	550	1,040	436	562	599	408	64	75	70	81
FLEX+250H2*H	1,017	378	550	1,040	436	562	599	408	64	75	70	81
FLEX+275H2*H	1,017	378	652	1,040	436	664	599	408	64	75	70	81
FLEX+300H2*H	1,017	378	652	1,040	436	664	599	408	72	82	79	90
FLEX+350H2*H	1,017	378	652	1,040	436	664	599	408	72	82	79	90
FLEX+450H2*H	1,117	378	652	1,040	436	664	699	408	86	97	93	104
FLEX+500H2*H	1,117	378	652	1,040	436	664	699	408	86	97	93	104
FLEX+600H2*H	1,117	378	652	1,040	436	664	699	408	86	97	93	104
Alternative - Medium and low temperature												
Recíproco - Media y baja temperatura												
FLEX+200X6*I	1,017	378	550	1,040	436	562	599	408	60	72	66	78
FLEX+250X6*I	1017	378	550	1,040	436	562	599	408	68	80	74	86
FLEX+300X6*I	1,017	378	550	1,040	436	562	599	408	67	79	73	85
FLEX+350X6*I	1,017	378	652	1,040	436	664	599	408	72	84	79	91
FLEX+400X6*I	1,017	378	652	1,040	436	664	599	408	75	87	82	94
FLEX+500X6*I	1,117	378	652	1,140	436	664	699	408	83	95	91	103
FLEX+600X6*I	1,117	378	652	1,140	436	664	699	408	82	94	90	102
Scroll - Medium and low temperature												
Scroll - Média y baja temperatura												
FLEX+200X8*Z	1,017	378	550	1,060	478	672	599	408	56	68	63	75
FLEX+220X8*Z	1,017	378	550	1,060	478	672	599	408	56	68	63	75
FLEX+250X8*Z	1,017	378	550	1,060	478	672	599	408	56	68	63	75
FLEX+300X8*Z	1,017	378	550	1,060	478	672	599	408	57	69	64	76
FLEX+350X8*Z	1,017	378	652	1,060	478	774	599	408	62	74	69	81
FLEX+400X8*Z	1,017	378	652	1,060	478	774	599	408	70	82	77	89
FLEX+550X8*Z	1,117	378	652	1,160	478	774	699	408	79	91	86	98
FLEX+600X8*Z	1,117	378	652	1,160	478	774	699	408	79	91	86	98



FRM
Condensing Unit
Unidad condensadora

Elgin's FRM faired condensing unit has the option of horizontal or vertical airflow. The condenser made of copper tubes and aluminum fins has corrosion protection. It has inspection doors and internal access that facilitate start-up and maintenance such as pressure switch adjustments, filter drier changes and access to electrical components. The electrical box has a basic version with a circuit breaker, contactor, connection terminal and sequence and phase failure relay and a complete version with condensation control.

Con carenado, tiene opción de flujo de aire horizontal o vertical. El condensador de tubos de cobre y aletas de aluminio tiene protección contra la corrosión. Posee puertas de inspección y acceso interno que facilitan start-up y el mantenimiento, como ajustes del presostato, cambios de filtro del secador y acceso a componentes eléctricos. La caja eléctrica tiene en la versión básica disyuntor, contactor, borne de conexión y relé de secuencia y pérdida de fase y la versión completa con control de condensación.

Access the website

Capacity Capacidad	320 → 11.847 kcal/h
Application Aplicación	10°C → -40°C
Commercial reference Referencia comercial	1. 1/4 → 6 HP
Compressor brand Marca de compresor	Copeland (RST/CS/ZF)
Compressor type Tipo de compresor	Alternativo/Reciproco Scroll
Coolant Fluido refrigerante	R-404A / R-507 / R-134a R-448 / R-449
Structure Estructura	With fairing and white painting Con carenado y pintura blanca
Electrical feature Característica eléctrica	220V-1F-60Hz 220V-3F-60/50Hz 380V-3F-60Hz 380V-3F-60/50Hz
Condenser	Aluminum fin and copper tube with internal groove and protection Aleta de aluminio y tubo de cobre con ranura interna y proteción

Nomenclature

FRM	250	X6	B	H	12	E
Product Producto	**Model** Modelo	**Application and Fluid** Aplicación y Fluid	**Voltage** Voltaje	**Compressor** Compresor	**Optional** Opcionales	**Version** Versión
Reversible flow Condenser Unit **Unidad Condensadora de flujo reversivel**	**125** **150** **200** **250** **300** **400** **450** **500** **600**	**X6:** **R-404A Low/Medium Baja/Media Temperature** **L6:** **R-404A Low/Baja Temperature** **H4:** **R-134a High Temperature**	**B:** **220V-1F 60Hz** **C:** **220V-3F 60/50Hz** **D:** **380V-3F 50Hz/60Hz (Hermetic)** **E:** **380V-3F 60Hz (Scroll)**	**H:** **Copeland Hermetic Alternative/ Recíproco** **I:** **Copeland Hermetic India (CS)** **Z:** **Copeland Scroll**	**12** **21** **32**	**E**

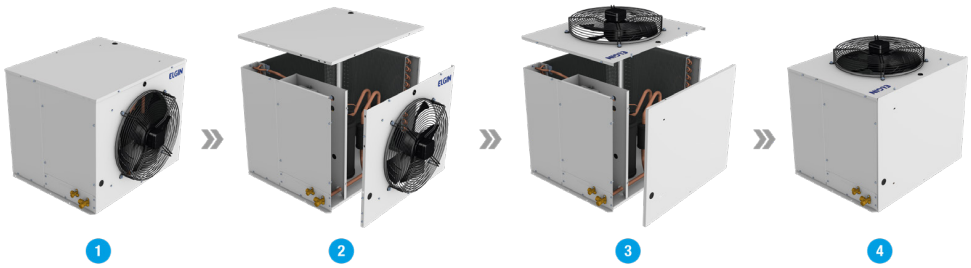
Product with fin protected from corrosion. / Producto con aleta protegida contra la corrosión.

Options / Opciones	Hermetic		
	12	21	32
Discharge line / Línea de descarga	✓	✓	✓
Suction line / Línea de succión	✓	✓	✓
Suction filter / Filtro de succión	✓	X	✓
Suction accumulator / Acumulador de succión	✓	X	✓
Liquid sight	✓	✓	✓
Liquid filter	✓	✓	✓
Tank in the liquid line / Tanque en la línea de líquido	✓	✓	✓
Valve in the liquid line / Válvula en la línea de líquido	✓	✓	✓
Oil separator / Separador Aceite	✓	X	✓
Terminals	✓	✓	✓
Contactor / Contactator	✓	✓	✓
Sequence and phase failure relay for three-phase models (for Scroll compressor) Relé de falta de fase para los modelos trifásicos (para compresor Scroll)	✓	✓	✓
Service valve at the Liquid line / Válvula de servicio	✓	✓	✓
DTC valve (for scroll compressor) / Válvula DTC (para compresor scroll)	✓	✓	✓
Condensation control / Control de condensación	X	X	✓

Air flow exchange
Intercambio del flujo de aire

This exchange shall be carried out by a specialized technician and while the equipment is switched off.

Este cambio debe ser realizado por un técnico profesional con el equipo apagado.



Environment temperature correction value due to the altitude
Valor de corrección de la Temperatura Ambiente en función de la altitud

Refer to the capacity table and add the values at the ambient temperature, according to the corresponding altitude found in the table below:
Consultar la tabla de capacidades y sumar los valores a temperatura ambiente, según la altitud que se encuentra en la siguiente tabla:

Installation altitude (Sea level) Altitud de instalación (nivel del mar)	**Add to the ambient temperature °C** Añadir a Temperatura Ambiente °C
1000 m	**0**
2000 m	**3**
3000 m	**5**
4000 m	**7**
5000 m	**10**

Capacity data / Datos de capacidad

Model	HP	Temperature Ambiente		Cold storage capacity / Capacidad Frigorífica [Kcal/h] Evaporation temperature / Temperatura de Evaporación [°C]						
				-1°C	-5°C	-10°C	-15°C	-20°C	-25°C	-30°C
Copeland Alternative - Low temperature - R-404A/R-507										
Copeland Recíproco - Baja temperatura - R-404A / R-507										
FRM125X6	1 1/4	32°C	Q	2,138	1,957	1,750	1,370	930	570	400
			P	0.99	0.94	0.91	0.78	0.6	0.43	0.38
		35°C	Q	2,014	1,843	1,650	1,290	870	540	380
			P	1	0.95	0.91	0.78	0.6	0.43	0.37
		38°C	Q	1,891	1,739	1,550	1,220	820	510	350
			P	1.02	0.96	0.91	0.79	0.6	0.42	0.36
		43°C	Q	1,549	1,435	1,260	940	650	510	320
			P	1.03	0.96	0.89	0.73	0.59	0.45	0.37
FRM150X6	1 1/2	32°C	Q	2,480	2,242	2,000	1,630	1,270	960	640
			P	1.15	1.08	1.04	0.93	0.82	0.72	0.6
		35°C	Q	2,337	2,109	1,890	1,540	1,200	900	600
			P	1.16	1.09	1.04	0.94	0.82	0.71	0.58
		38°C	Q	2,195	1,986	1,780	1,450	1,130	850	560
			P	1.18	1.1	1.05	0.94	0.83	0.7	0.58
		43°C	Q	1,824	1,653	1,480	1,200	890	640	480
			P	1.19	1.11	1.05	0.93	0.81	0.68	0.56
FRM200X6	2	32°C	Q	3,857	3,411	2,970	2,330	1,670	1,150	790
			P	1.44	1.36	1.31	1.17	1.03	0.87	0.71
		35°C	Q	3,639	3,221	2,800	2,200	1,580	1,080	740
			P	1.47	1.38	1.33	1.17	1.02	0.86	0.70
		38°C	Q	3,420	3,031	2,630	2,060	1,480	1,020	700
			P	1.49	1.39	1.33	1.17	1.01	0.84	0.69
		43°C	Q	3,088	2,717	2,320	1,760	1,200	770	580
			P	1.51	1.41	1.34	1.17	0.97	0.81	0.66
FRM250X6	2 1/2	32°C	Q	4,361	3,886	3,370	2,660	1,990	1,440	940
			P	1.77	1.63	1.54	1.38	1.19	1.02	0.81
		35°C	Q	4,114	3,667	3,180	2,510	1,880	1,350	890
			P	1.78	1.65	1.56	1.39	1.19	1.01	0.80
		38°C	Q	3,867	3,449	2,990	2,360	1,770	1,270	840
			P	1.82	1.67	1.57	1.39	1.18	0.99	0.79
		43°C	Q	3,591	3,145	2,680	2,070	1,490	1,050	790
			P	1.84	1.69	1.58	1.38	1.17	0.96	0.76
FRM300X6	3	32°C	Q	4,798	4,266	3,830	3,150	2,450	1,880	1,430
			P	2.15	2.01	1.93	1.71	1.50	1.29	1.08
		35°C	Q	4,522	4,028	3,620	2,970	2,310	1,780	1,350
			P	2.18	2.07	1.94	1.72	1.51	1.28	1.08
		38°C	Q	4,256	3,781	3,400	2,790	2,170	1,670	1,270
			P	2.21	2.07	1.96	1.73	1.50	1.28	1.08
		43°C	Q	3,933	3,515	3,110	2,520	1,940	1,470	1,110
			P	2.24	2.08	1.97	1.74	1.50	1.26	1.07
FRM350X6	3 1/2	32°C	Q	7,296	6,356	5,160	4,130	3,280	2,360	1,780
			P	2.31	2.25	2.21	1.96	1.72	1.47	1.23
		35°C	Q	6,878	5,995	4,870	3,900	3,090	2,230	1,680
			P	2.37	2.28	2.23	1.99	1.73	1.46	1.22
		38°C	Q	6,470	5,643	4,570	3,660	2,910	2,100	1,580
			P	2.46	2.33	2.25	1.99	1.72	1.46	1.21
		43°C	Q	5,662	4,921	3,970	3,140	2,460	1,760	1,330
			P	2.52	2.36	2.28	1.99	1.71	1.41	1.16
FRM400X6	4	32°C	Q	7,980	6,945	5,560	4,470	3,670	2,750	2,070
			P	2.69	2.46	2.35	2.10	1.87	1.62	1.35
		35°C	Q	7,534	6,546	5,250	4,220	3,460	2,600	1,960
			P	2.74	2.54	2.35	2.11	1.87	1.62	1.32
		38°C	Q	7,078	6,156	4,940	3,970	3,250	2,440	1,840
			P	2.80	2.54	2.39	2.11	1.87	1.61	1.28
		43°C	Q	6,147	5,320	4,230	3,320	2,590	1,850	1,390
			P	2.82	2.59	2.40	2.10	1.83	1.52	1.17
FRM500X6	5	32°C	Q	10,583	9,120	7,760	6,070	4,640	3,550	2,680
			P	3.45	3.37	3.17	2.81	2.45	2.09	1.81
		35°C	Q	9,985	8,598	7,320	5,730	4,380	3,350	2,530
			P	3.62	3.43	3.23	2.85	2.46	2.09	1.78
		38°C	Q	9,377	8,085	6,880	5,390	4,120	3,150	2,380
			P	3.71	3.57	3.30	2.87	2.47	2.07	1.76
		43°C	Q	8,455	7,182	5,940	4,540	3,460	2,680	2,020
			P	3.80	3.66	3.35	2.88	2.43	1.99	1.64
FRM600X6	6	32°C	Q	11,847	10,374	9,010	7,210	5,580	4,280	3,220
			P	4.32	4.03	3.94	3.53	3.06	2.59	2.13
		35°C	Q	11,172	9,785	8,500	6,800	5,270	4,030	3,040
			P	4.45	4.12	3.99	3.53	3.06	2.57	2.12
		38°C	Q	10,498	9,196	7,990	6,400	4,950	3,790	2,860
			P	4.57	4.32	4.03	3.54	3.04	2.54	2.08
		43°C	Q	9,548	8,237	6,950	5,390	4,050	3,030	2,290
			P	4.78	4.36	4.08	3.54	2.95	2.45	2.00

Capacity data / Datos de capacidad

Model	HP	Temperature Ambiente		Cold storage capacity / Capacidad Frigorífica [Kcal/h] Evaporation temperature / Temperatura de Evaporación [°C]					
				-17.5°C	-20°C	-25°C	-30°C	-35°C	-40°C
Copeland Scroll - Low temperature - R-404A / R-507									
Copeland Scroll - Baja temperatura - R-404A / R-507									
FRM450L6*Z	4 1/2	32°C	Q	6,480	6,064	5,016	4,072	3,241	2,538
			P	3.48	3.42	3.29	3.16	3.03	2.91
		35°C	Q	6,230	5,830	4,823	3,916	3,117	2,439
			P	3.48	3.42	3.29	3.16	3.03	2.91
		38°C	Q	5,981	5,597	4,631	3,760	2,992	2,341
			P	3.63	3.57	3.43	3.27	3.03	2.91
		43°C	Q	5,481	5,129	4,245	3,446	2,741	2,147
			P	3.95	3.89	3.7	3.45	3.31	3.18
FRM500L6*Z	5	32°C	Q	7,752	7,276	6,073	4,976	4,013	3,210
			P	4.13	4.05	3.86	3.69	3.53	3.38
		35°C	Q	7,454	6,997	5,840	4,784	3,860	3,087
			P	4.28	4.15	3.86	3.69	3.53	3.38
		38°C	Q	7,155	6,715	5,605	4,593	3,705	2,961
			P	4.46	4.32	4.02	3.85	3.67	3.38
		43°C	Q	6,558	6,155	5,139	4,210	3,397	2,714
			P	4.84	4.69	4.38	4.19	3.99	3.65
FRM600L6*Z	6	32°C	Q	9,084	8,536	7,145	5,864	4,744	3,805
			P	5.01	4.92	4.68	4.46	4.25	4.04
		35°C	Q	8,734	8,206	6,870	5,638	4,562	3,659
			P	5.2	5.04	4.68	4.46	4.25	4.04
		38°C	Q	8,385	7,878	6,595	5,411	4,380	3,515
			P	5.4	5.24	4.87	4.64	4.4	4.04
		43°C	Q	7,688	7,222	6,045	4,960	4,012	3,221
			P	5.84	5.66	5.28	5.03	4.78	4.55

Capacity data / Datos de capacidad

Model	HP	Temperature Ambiente		Cold storage capacity / Capacidad Frigorífica [Kcal/h] Evaporation temperature / Temperatura de Evaporación [°C]					
				10°C	5°C	0°C	-5°C	-10°C	-15°C
Copeland Alternative - High temperature - R-134a									
Copeland Recíproco - Alta temperatura - R-134a									
FRM200H4	2	32°C	Q	3,578	3,014	2,473	1,974	1,534	1,170
			P	1.16	1.06	0.95	0.84	0.73	0.63
		35°C	Q	3,418	2,870	2,350	1,866	1,441	1,096
			P	1.19	1.08	0.96	0.84	0.73	0.63
		38°C	Q	3,265	2,732	2,229	1,761	1,349	1,023
			P	1.22	1.10	0.97	0.85	0.73	0.62
		43°C	Q	2,977	2,487	2,030	1,599	1,216	923
			P	1.28	1.14	0.99	0.85	0.73	0.62
FRM250H4	2 1/2	32°C	Q	4,635	3,888	3,179	2,521	1,958	1,484
			P	1.39	1.27	1.16	1.04	0.91	0.79
		35°C	Q	4,441	3,714	3,025	2,387	1,840	1,389
			P	1.42	1.30	1.17	1.04	0.91	0.78
		38°C	Q	4,246	3,540	2,871	2,253	1,721	1,295
			P	1.46	1.32	1.19	1.05	0.91	0.78
		43°C	Q	3,935	3,275	2,648	2,070	1,566	1,176
			P	1.52	1.36	1.21	1.05	0.91	0.77
FRM300H4	3	32°C	Q	5,282	4,450	3,648	2,909	2,260	1,718
			P	1.72	1.58	1.42	1.26	1.09	0.96
		35°C	Q	5,061	4,253	3,472	2,754	2,124	1,608
			P	1.76	1.60	1.44	1.26	1.09	0.95
		38°C	Q	4,840	4,055	3,296	2,599	1,986	1,498
			P	1.80	1.63	1.45	1.27	1.09	0.95
		43°C	Q	4,469	3,741	3,032	2,379	1,801	1,356
			P	1.88	1.69	1.48	1.28	1.10	0.94
FRM400H4	4	32°C	Q	7,696	6,456	5,266	4,169	3,234	2,436
			P	2.13	1.97	1.78	1.59	1.39	1.22
		35°C	Q	7,373	6,167	5,015	3,952	3,042	2,285
			P	2.19	2.00	1.80	1.60	1.39	1.21
		38°C	Q	7,051	5,879	4,766	3,737	2,851	2,136
			P	2.24	2.04	1.83	1.60	1.38	1.20
		43°C	Q	6,518	5,427	4,395	3,434	2,597	1,945
			P	2.33	2.10	1.86	1.61	1.38	1.19
FRM500H4	5	32°C	Q	10,275	8,245	6,628	5,355	4,246	3,239
			P	3.00	2.74	2.38	1.98	1.93	1.67
		35°C	Q	9,774	7,820	6,275	5,059	4,017	3,057
			P	2.99	2.79	2.50	2.15	1.94	1.66
		38°C	Q	9,274	7,395	5,924	4,765	3,790	2,876
			P	2.97	2.85	2.60	2.30	1.94	1.65
		43°C	Q	8,368	6,672	5,358	4,316	3,465	2,632
			P	2.94	2.96	2.78	2.54	1.95	1.64

Q = Capacity (Kcal/h)
P = Consumed power (kW)
Capacities are based on the following conditions:
- Capacity at 60Hz, if 50Hz multiply it by 0.83
- Suction temperature: 18.3ºC / Subcooling: 3,2ºC
- To obtain the capacity in BTU/h multiply it by 3.9
- To obtain the capacity in BTU/h divide it by 860
- To obtain the temperature in °F: (Value °C × 1.8)+32 = Value °F

Q = Capacidad (Kcal / h)
P = Energía consumida (kW)
Las capacidades se basan en las siguientes condiciones:
- Capacidad a 60Hz,para 50Hz multiplicar por 0,83
- Temperatura de aspiración: 18,3°C / Subenfriamiento: 3,2°C
- Para obtener la capacidad en BTU / h multiplicar por 3,9
- Para obtener la capacidad en kW dividir por 860
- Para obtener la temperatura en °F: (Value °C × 1.8)+32 = Value °F

Capacity data / Datos de capacidad

Model	HP	Temperature Ambiente		Cold storage capacity / Capacidad Frigorífica [Kcal/h] Evaporation temperature / Temperatura de Evaporación [°C]				
				O°C	-5°C	-10°C	-15°C	-20°C
Copeland Alternative - Low temperature - R-448 / R449A								
Copeland Recíproco - Baja temperatura - R-448/R449A								
FRM125X6	1 1/4	32°C	Q	2,097	1,827	1,513	1,103	699
			P	0.97	0.89	0.82	0.66	0.49
		35°C	Q	1,991	1,728	1,432	1,045	666
			P	0.97	0.89	0.81	0.67	0.5
		38°C	Q	1,886	1,638	1,351	995	641
			P	0.99	0.9	0.81	0.68	0.51
		43°C	Q	1,566	1,363	1,107	775	524
			P	1.00	0.89	0.79	0.63	0.52
FRM150X6	1 1/2	32°C	Q	2,433	2,094	1,729	1,313	954
			P	1.13	1.02	0.93	0.79	0.68
		35°C	Q	2,311	1,978	1,640	1,247	918
			P	1.13	1.02	0.93	0.80	0.69
		38°C	Q	2,189	1,871	1,551	1,182	883
			P	1.15	1.03	0.94	0.81	0.71
		43°C	Q	1,844	1,570	1,300	989	717
			P	1.15	1.03	0.93	0.81	0.71
FRM200X6	2	32°C	Q	3,784	3,185	2,568	1,877	1,254
			P	1.43	1.30	1.19	1.01	0.86
		35°C	Q	3,598	3,020	2,430	1,782	1,209
			P	1.45	1.31	1.21	1.02	0.87
		38°C	Q	3,411	2,856	2,292	1,679	1,157
			P	1.47	1.32	1.20	1.02	0.88
		43°C	Q	3,122	2,581	2,038	1,451	967
			P	1.48	1.33	1.21	1.03	0.86
FRM250X6	2 1/2	32°C	Q	4,278	3,629	2,914	2,142	1,495
			P	1.7	1.51	1.35	1.15	0.96
		35°C	Q	4,067	3,439	2,760	2,033	1,439
			P	1.71	1.52	1.37	1.16	0.98
		38°C	Q	3,856	3,250	2,606	1,924	1,383
			P	1.74	1.53	1.37	1.17	1.00
		43°C	Q	3,630	2,987	2,355	1,706	1,201
			P	1.75	1.54	1.38	1.17	1.01
FRM300X6	3	32°C	Q	4,707	3,983	3,311	2,537	1,840
			P	1.99	1.79	1.63	1.37	1.16
		35°C	Q	4,471	3,777	3,142	2,406	1,768
			P	2.01	1.83	1.64	1.39	1.19
		38°C	Q	4,244	3,562	2,963	2,274	1,696
			P	2.02	1.82	1.65	1.4	1.21
		43°C	Q	3,976	3,339	2,732	2,077	1,564
			P	2.04	1.82	1.65	1.42	1.24
FRM350X6	3 1/2	32°C	Q	7,157	5,935	4,461	3,326	2,464
			P	2.20	2.06	1.93	1.62	1.38
		35°C	Q	6,800	5,622	4,226	3,159	2,365
			P	2.25	2.08	1.94	1.66	1.41
		38°C	Q	6,452	5,317	3,983	2,984	2,274
			P	2.32	2.12	1.95	1.67	1.43
		43°C	Q	5,724	4,674	3,488	2,588	1,983
			P	2.37	2.13	1.97	1.68	1.46
FRM400X6	4	32°C	Q	7,828	6,485	4,807	3,600	2,757
			P	2.71	2.38	2.17	1.84	1.58
		35°C	Q	7,449	6,138	4,556	3,418	2,648
			P	2.75	2.45	2.16	1.86	1.62
		38°C	Q	7,058	5,800	4,306	3,236	2,540
			P	2.80	2.44	2.19	1.87	1.65
		43°C	Q	6,214	5,053	3,717	2,737	2,088
			P	2.81	2.47	2.20	1.87	1.65
FRM500X6	5	32°C	Q	10,382	8,516	6,709	4,889	3,485
			P	3.5	3.30	2.95	2.48	2.09
		35°C	Q	9,872	8,063	6,353	4,641	3,352
			P	3.67	3.34	3.00	2.53	2.15
		38°C	Q	9,351	7,617	5,996	4,394	3,220
			P	3.74	3.46	3.06	2.56	2.20
		43°C	Q	8,548	6,822	5,219	3,742	2,789
			P	3.81	3.53	3.09	2.59	2.22
FRM600X6	6	32°C	Q	11,622	9,687	7,790	5,807	4,191
			P	4.34	3.90	3.63	3.09	2.59
		35°C	Q	11,045	9,176	7,377	5,508	4,034
			P	4.46	3.97	3.67	3.11	2.64
		38°C	Q	10,469	8,664	6,964	5,217	3,869
			P	4.56	4.15	3.69	3.13	2.68
		43°C	Q	9,653	7,824	6,106	4,443	3,265
				4.75	4.16	3.72	3.15	2.67

Q = Capacity (Kcal/h)
P = Consumed power (kW)
Capacities are based on the following conditions:
- Capacity at 60Hz, if 50Hz multiply it by 0.83
- Suction temperature: 18.3ºC / Subcooling: 3,2ºC
- To obtain the capacity in BTU/h multiply it by 3.9
- To obtain the capacity in BTU/h divide it by 860
- To obtain the temperature in °F: (Value °C × 1.8)+32 = Value °F

Q = Capacidad (Kcal / h)
P = Energía consumida (kW)
Las capacidades se basan en las siguientes condiciones:
- Capacidad a 60Hz,para 50Hz multiplicar por 0,83
- Temperatura de aspiración: 18,3°C / Subenfriamiento: 3,2°C
- Para obtener la capacidad en BTU / h multiplicar por 3,9
- Para obtener la capacidad en kW dividir por 860
- Para obtener la temperatura en °F: (Value °C × 1.8)+32 = Value °F

Capacity data / Datos de capacidad

Model	HP	Temperature Ambiente		Cold storage capacity / Capacidad Frigorífica [Kcal/h] Evaporation temperature / Temperatura de Evaporación [°C]			
				-20°C	-25°C	-30°C	-35°C
Copeland Alternative - Low temperature - R-448 / R449A							
Copeland Recíproco - Baja temperatura - R-448/R449A							
FRM450L6*Z	4 1/2	32°C	Q	5,672	4,635	3,700	2,970
			P	3.07	2.92	2.76	2.70
		35°C	Q	5,519	4,494	3,589	2,930
			P	3.06	2.92	2.77	2.80
		38°C	Q	5,368	4,355	3,478	2,903
			P	3.42	3.05	2.88	2.93
		43°C	Q	5,032	4,055	3,236	2,809
			P	3.45	3.29	3.06	3.46
FRM500L6*Z	5	32°C	Q	6,806	5,611	4,521	3,677
			P	3.64	3.43	3.22	3.14
		35°C	Q	6,624	5,442	4,384	3,629
			P	3.72	3.43	3.24	3.26
		38°C	Q	6,441	5,271	4,248	3,595
			P	4.14	3.57	3.40	3.55
		43°C	Q	6,039	4,909	3,953	3,481
			P	4.16	3.89	3.71	4.17
FRM600L6*Z	6	32°C	Q	7,984	6,602	5,328	4,347
			P	4.42	4.16	3.89	3.78
		35°C	Q	7,769	6,402	5,167	4,289
			P	4.51	4.16	3.92	3.93
		38°C	Q	7,556	6,202	5,005	4,250
			P	5.03	4.33	4.09	4.26
		43°C	Q	7,086	5,774	4,657	4,111
				5.02	4.69	4.46	4.99

Q = Capacity (Kcal/h)
P = Consumed power (kW)
Capacities are based on the following conditions:
- Capacity at 60Hz, if 50Hz multiply it by 0.83
- Suction temperature: 18.3ºC / Subcooling: 3,2ºC
- To obtain the capacity in BTU/h multiply it by 3.9
- To obtain the capacity in BTU/h divide it by 860
- To obtain the temperature in °F: (Value °C × 1.8)+32 = Value °F

Q = Capacidad (Kcal / h)
P = Energía consumida (kW)
Las capacidades se basan en las siguientes condiciones:
- Capacidad a 60Hz,para 50Hz multiplicar por 0,83
- Temperatura de aspiración: 18,3°C / Subenfriamiento: 3,2°C
- Para obtener la capacidad en BTU / h multiplicar por 3,9
- Para obtener la capacidad en kW dividir por 860
- Para obtener la temperatura en °F: (Value °C × 1.8)+32 = Value °F

Electrical data / Datos eléctricos

Model	Compressor / Compresor											Fans			
	Model	Electrical feature Característica eléctrica			RLA	MCC	LRA	Load of oil/ aceite	Relay Relay	Capacitor Capacitor		Electrical feature elétrica Característica eléctrica			
										Starter Arranque	Run Marcha				
		V	F	Hz	A	A	A	l		µFD/VAC		V	F	Hz	A
Copeland Alternative - Low temperature - R-404A															
Copeland Recíproco - Baja temperatura - R-404A															
FRM125X6BH-**E	RST64C1E-CAV	220	1	60	9.0	12.6	43.0	0.4	RVA3AN6D	72-88/330	20/440	220	1	60	0.8
FRM150X6BH-**E	RST70C1E-PFV	220	1	60	7.7	10.8	46.0	0.6	RVA6AM6D	108-130/330	25/440	220	1	60	0.8
FRM150X6CH-**E	RST70C1E-TA5	220	3	60/50	5.5	7.7	36.0	0.6	-	-	-	220	1	60/50	0.8
FRM200X6BI-**E	CS10K6ME-PFV	220	1	60	13.6	19	56	1.3	RVA4AH6D	189-227/330	35/440	220	1	60	0.8
FRM200X6CI-**E	CS10K6ME-TF5	220	3	60/50	9.3	13	50	1.3	-	-	-	220	1	60/50	0.8
FRM250X6BI-**E	CS12K6ME-PFV	220	1	60	11.1	15.6	61	1.3	RVA4AH6D	189-227/330	35/440	220	1	60	0.8
FRM250X6CI-**E	CS12K6ME-TF5	220	3	60/50	7.5	10.5	51	1.3	-	-	-	220	1	60/50	0.8
FRM300X6BI-**E	CS14K6ME-PFV	220	1	60	15.4	21.5	77	1.3	RVA4AH6D	189-227/330	35/440	220	1	60	0.8
FRM300X6CI-**E	CS14K6ME-TF5	220	3	60/50	9.6	13.5	55	1.3	-	-	-	220	1	60/50	0.8
FRM300X6DI-**E	CS14K6ME-TFD	380	3	60/50	4.9	6.8	32	1.3	-	-	-	220	1	60/50	0.8
FRM350X6BI-**E	CS18K6ME-PFV	220	1	60	14.6	20.5	80	1.3	RVA6AM6D	189-227/330	35/440	220	1	60	1.5
FRM350X6CI-**E	CS18K6ME-TF5	220	3	60/50	12.1	17	77	1.3	-	-	-	220	1	60/50	1.5
FRM350X6DI-**E	CS18K6ME-TFD	380	3	60/50	5.9	8.2	35	1.3	-	-	-	220	1	60/50	1.5
FRM400X6BI-**E	CS20K6ME-PFV	220	1	60	17.1	24	99	1.3	RVA6AM6D	189-227/330	45/440	220	1	60	1.5
FRM400X6CI-**E	CS20K6ME-TF5	220	3	60/50	15.7	22	73	1.3	-	-	-	220	1	60/50	1.5
FRM400X6DI-**E	CS20K6ME-TFD	380	3	60/50	7.1	10	47	1.3	-	-	-	220	1	60/50	1.5
FRM500X6CI-**E	CS27KQME-TF5	220	3	60/50	18.6	26	135	1.3	-	-	-	220	1	60/50	1.5
FRM500X6DI-**E	CS27KQME-TFD	380	3	60/50	9.9	13.8	60	1.3	-	-	-	220	1	60/50	1.5
FRM600X6CI-**E	CS33KQME-TF5	220	3	60/50	20	28	125	1.3	-	-	-	220	1	60/50	1.5
FRM600X6DI-**E	CS33KQME-TFD	380	3	60/50	11.4	16	50	1.3	-	-	-	220	1	60/50	1.5
Copeland Alternative - High temperature - R-134a															
Copeland Recíproco - Alta temperatura - R-134a															
FRM200H4BI-**E	CS10K6ME-PFV	220	1	60	13.6	19	56	1.3	RVA4AH6D	189-227/330	35/440	220	1	60	0.8
FRM250H4CI-**E	CS12K6ME-TF5	220	3	60/50	7.5	10.5	51	1.3	-	-	-	220	1	60/50	0.8
FRM300H4CI-**E	CS14K6ME-TF5	220	3	60/50	9.6	13.5	55	1.3	-	-	-	220	1	60/50	0.8
FRM400H4DI-**E	CS20K6ME-TFD	380	3	60/50	7.1	10	47	1.3	-	-	-	220	1	60/50	1.5
FRM500H4CI-**E	CS27KQME-TF5	220	3	60/50	18.6	26	135	1.3	-	-	-	220	1	60/50	1.5
FRM500H4DI-**E	CS27KQME-TFD	380	3	60/50	9.9	13.8	60	1.3	-	-	-	220	1	60/50	1.5
Copeland Scroll - Low temperature - R-404A															
Copeland Scroll - Baja temperatura - R-404A															
FRM450L6CZ-**E	ZF13K4E-TF5	220	3	60/50	15	18.5	99	1.8	-	-	-	220	1	60/50	1.5
FRM450L6DZ-**E	ZF13K4E-TFD	380	3	50	7.9	10	51.5	1.8	-	-	-	220	1	50	1.5
FRM450L6EZ-**E	ZF13K4E-TF7	380	3	60	8.2	11.5	57	1.8	-	-	-	220	1	60	1.5
FRM500L6CZ-**E	ZF15K4E-TF5	220	3	60/50	21.4	26.5	135	1.8	-	-	-	220	1	60/50	2
FRM500L6DZ-**E	ZF15K4E-TFD	380	3	50	9.6	12.5	62	1.8	-	-	-	220	1	50	2
FRM500L6EZ-**E	ZF15K4E-TF7	380	3	60	11.4	15.9	64	1.8	-	-	-	220	1	60	2
FRM600L6CZ-**E	ZF18K4E-TF5	220	3	60/50	23.9	30.5	171	1.8	-	-	-	220	1	60/50	2
FRM600L6DZ-**E	ZF18K4E-TFD	380	3	50	9.3	12.5	74	1.8	-	-	-	220	1	50	2
FRM600L6EZ-**E	ZF18K4E-TF7	380	3	60	12.6	17.7	70	1.8	-	-	-	220	1	60	2

For items whose frequency is 60/50Hz, the data refers to 60Hz
RLA = Compressor rated current
LRA = Compressor blocker rotor current
MCC = Compressor maximum operational current
Oil load to the compressor in the case of maintenance
Polyolester Oil ISO 32 = R-404A / R-134a / R-507

Para elementos cuya frecuencia es 60/50Hz, los datos son relativos a 60Hz
RLA = Corriente nominal del compresor
LRA = Corriente del rotor bloqueada del compresor
MCC = Corriente máxima de funcionamiento del compresor
Carga de aceite para el compresor en caso de mantenimiento
Aceite Poliol Éster ISO 32 = R-404A / R-134a / R-507

Physical data / Datos físicos

Model	Connections Conexiones		Liquid Tank Tanque de Líquido	Noise Level* Nivel de Ruído*	Fans	
	Liquid Líquido	**Suction** Succión			**Diameter** Diámetro	**Quantity** Cantidad
	"	"	l	dB	"	
Alternative - High and medium temperature						
Recíproco - Alta y media temperatura						
FRM125	1/2	3/4	3.5	60	350	1
FRM200	1/2	3/4	3.5	60	350	1
FRM250	1/2	3/4	3.5	66	350	1
FRM300	1/2	3/4	3.5	66	350	1
FRM350	1/2	3/4	5.8	67	450	1
FRM400	1/2	3/4	5.8	67	450	1
FRM450	1/2	3/4	5.8	67	450	1
FRM500	1/2	3/4	5.8	68	500	1
FRM600	1/2	3/4	5.8	70	500	1

Noise Level [dB] measured at 3 meters of distance, according to the standard.
The noise data above are typical for open field. The Condensing Units are cooled with horizontal air flow, the noise level is considered for air discharge. For reflexive conditions in the installation, the noise level can be significantly increased. Pay attention to the indoor applications, close to walls and background noise in the environment.

Nivel de Ruido [dB] medido a 3 metros de distancia, conforme norma. Los datos de ruido anteriores son típicos para campo abierto.Las unidades de condensación están refrigeradas por aire con un flujo horizontal, el nivel de ruido se considera en la descarga de aire.Para condiciones reflectantes en la instalación, el nivel de ruido puede aumentar significativamente. Atención en aplicaciones en entornos cerrados, cerca de paredes y ruido de fondo en el entorno.

Noise level correction value due to the distance
Valor de corrección del nivel de ruido en función de la distancia

Distance / Distancia	**5 m**	**10 m**	**15 m**	**20 m**
Subtract / Sustraer	**3db (A)**	**6 db (A)**	**10 db (A)**	**12 db (A)**

Dimensional data and weight / Datos dimensionales y peso

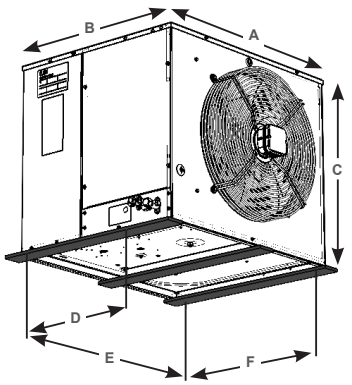
Model	**Dimension** / Dimension												**Weight**			
	Without packaging Horizontal flow Sin embalaje Flujo Horizontal			**Without packaging Vertical flow** Sin embalaje Flujo Vertical			**With packaging** Con embalaje			**Mounting dimension** Dimensión de fijación			**with/**con **liquid storage tank + accumulator + separator**		**with/**con **tanque liquido**	
	Comp. Largo **A**	**Width** Ancho **B**	**Height** Altura **C**	**Comp.** Largo **A**	**Width** Ancho **B**	**Height** Altura **C**	**Comp.** Largo	**Width** Ancho	**Height** Altura	**D**	**E**	**F**	**Liquid** Neto	**Gross** Bruto	**Liquid** Neto	**Gross** Bruto
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	kg	kg	kg
Alternative Medium and low temperature / Reciproco Media y Baja Temperatura																
FRM125	725	750	615	725	618	750	795	816	750	360	704	410	76	92	63	79
FRM200	725	750	615	725	618	750	795	816	750	360	704	410	83	99	70	86
FRM250	725	750	615	725	618	750	795	816	750	360	704	410	91	107	78	94
FRM300	725	750	615	725	618	750	795	816	750	360	704	410	90	106	77	93
FRM350	875	836	705	875	712	828	950	915	850	465	848	610	100	119	87	106
FRM400	875	836	705	875	712	828	950	915	850	465	848	610	104	123	91	110
FRM450	875	836	705	875	712	828	950	915	850	465	848	610	110	129	97	116
FRM500	875	836	705	875	712	828	950	915	850	465	848	610	120	139	103	122
FRM600	875	836	705	875	712	828	950	915	850	465	848	610	122	141	105	124

Mounting instruction

• The condenser unit must be placed on three high-density damping rubber bands with a minimum thickness of 10 mm and width of 70 mm. Its length must be 20 mm higher to each side of the unit base
• The Condenser unit mounting must be performed using 4 M8 bolts with flat washers and spring washers.
The bolt must pass through the damping rubber.
• The mounting accessories are not supplied with the condenser unit.

Instrucción de fijación

• La unidad condensadora debe colocarse sobre tres tiras de goma amortiguadora de alta densidad con un espesor mínimo de 10 mm y un ancho de 70 mm. Su longitud debe ser 20 mm más larga para cada lado de la base de la unidad.
• La unidad condensadora debe fijarse mediante 4 tornillos M8 con arandelas planas y arandelas a presión. El tornillo debe atravesar la goma amortiguadora.
• Los accesorios de fijación no se incluyen con la unidad condensadora.



US 6 → 20HP
Condenser Unit
Unidad condensadora

The US Condenser Unit main characteristic is customization. Available in basic, complete mechanical, as well as complete mechanical and electrical versions, it has models with and without fairing and option with Scroll type compressor (Elgin and Copeland) or Semi-hermetic (Bitzer, Copeland, and Dorin). Optional: Oil separator, liquid separator (accumulator), suction line filter, service valve (tank inlet), suction line insulation, Elgin Smart, condensation control, compressor contactor overload relay, inversion and phase failure relay, circuit breaker capacity control and hot gas defrosting.

La principal característica de la Unidad condensadora US es la personalización. Disponible en las versiones Básica, Mecánica completa y Mecánica y eléctrica completa, tiene modelos con carenado y sin carenado y la opción de compresores Scroll (Elgin y Copeland) o Semi-herméticos (Bitzer, Copeland y Dorin).
Optional: Oil separator, liquid separator (accumulator), suction line filter, service valve (tank inlet), suction line insulation, Elgin Smart, condensation control, compressor contactor overload relay, inversion and phase failure relay, circuit breaker capacity control and hot gas defrosting.

Capacity Capacidad	2,876 → 56.861 kcal/h
Application Aplicación	15°C → -40°C
Commercial reference Referencia comercial	6 → 20 HP
Compressor brand Marca de compresor	Elgin / Copeland / Bitzer / Dorin
Compressor type Tipo de compresor	Alternative/Reciproco Scroll
Coolant Fluido refrigerante	R-404A / R-507 / R-134a R-448/R-449 / R-134a / R-22
Structure Estructura	With and without fairing Con y sin carenado
Electrical feature Característica eléctrica	220V-3F-60Hz 220V-3F-60/50Hz 380V-3F-60Hz 380V-3F-50Hz 440V-3F-60Hz
Condenser	Aluminum fin and copper pipe Aleta de aluminio y tubo de cobre

Access the website

Nomenclature

U	S	C	MB	4	100	J	T	C	N	C	0	0
Product Producto	**Air flow** Flujo de aire	**Compressor** Compresor	**Application** Aplicación	**Fluid** Fluid	**Model** Model	**Voltage** Voltaje	**Line of Liquid** Línea de líquido	**Compressor** Compresor	**Installation** Instalación	**Version** Versión	**Optional mechanical** Opcional mecánico	**Optional Electrical** Opcional eléctrico
U: Conden. Unit **Unidad Conden.**	**S: Horizontal flow / Flujo horizontal**	**C: Scroll** **H: Semi Hermetic Alternative/ Recíproco**	**MB: Medium/Low/ Medio/bajo** **B0: Low/ Bajo**	**4: R-404A R-507 R134a R-448/ R449A**	**060 070 080 090 100 120 130 140 150 180 200**	**J: 380V-3F 60 Hz** **T: 220V-3F (1)** **D: 440V-3F 60 Hz** **F: 380V-3F 50 Hz**	**T: Liquid storage tank, Sight and Filter/ Tanque de líquido, visor y filtro**	**C: Elgin*** **0: Copeland** **B: Bitzer Semi Hermetic Alternative/ Recíproco** **D: Dorin* Semi Hermetic Alternative/ Recíproco**	**N: Without Cabinet/ Sin Gabinete** **T: With Cabinet/ Con Gabinete**	**C**	**0: Basic/ Básico** **C: Complete/ Complete** **G: *Complete with hot gas defrosting/ *Deshielo por gas caliente**	**0: Basic/ Básico** **1: Complete/ Complete** **2: *Complete with capacity control/ *Completa con Control de capacidad**

Notes

(1) For Condenser Units with Voltage 220V-3F, check the frequency in the Electrical data.

*Check the information about hot gas defrosting and capacity control in the table “Accessories”.

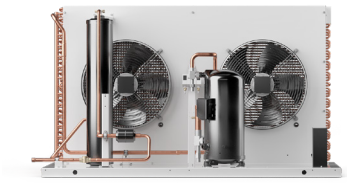
We recommend using an inversion and phase failure relay. An oil separator should be used for system with lines higher than 20 meters. A suction accumulator should be used in systems with evaporation temperatures lower than -18°C

Notes

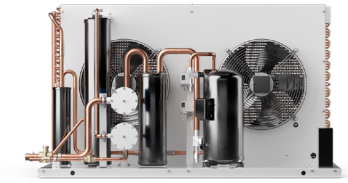
(1) Para unidades condensadoras con voltaje 220V-3F, verifique la frecuencia en los Datos eléctricos.

*Vea la información sobre deshielo por gas caliente y control de capacidad en la tabla “Acessórios”.

Recomendamos usar relé inversor y falta de fase. El separador de aceite debe usarse para sistemas con líneas de más de 20 metros. El acumulador de succión debe usarse en sistemas con una temperatura de evaporación por debajo de -18 ° C.



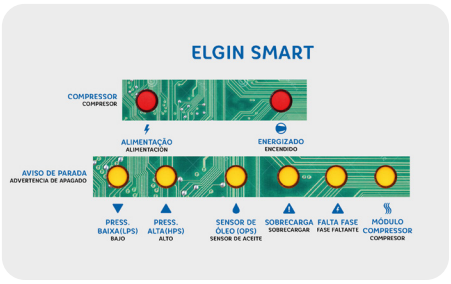
Basic
Basic



Complete mechanical
Mecánica completa

Complete mechanical and electrical
Mecánica y eléctrica completa

Elgin Smart - Diagnosis module / Elgin Smart - Módulo de diagnóstico



Exclusive electronic module available for the Complete mechanical and electrical version that allows diagnosis possible problems in a quick and visual way.
Red lights: When ON, they indicate that the compressor is correctly powered.
Yellow lights: When ON, they indicate the reason for the stop.

Exclusivo módulo electrónico disponible para versión mecánica y eléctrica completa que permite diagnosticar posibles problemas de forma rápida y visual.
Luces rojas: Cuando están encendidas, indican que el compresor está correctamente energizado.
Luces amarillas: Cuando están encendidas, indican el motivo de la parada.

Environment temperature correction value due to the altitude
Valor de corrección de la Temperatura Ambiente en función de la altitud

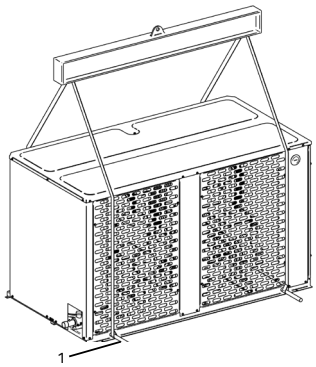
Refer to the capacity table and add the values at the ambient temperature, according to the corresponding altitude found in the table below:
Consultar la tabla de capacidades y sumar los valores a temperatura ambiente, según la altitud que se encuentra en la siguiente tabla:

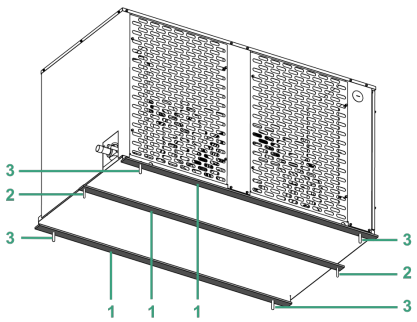
Installation altitude (Sea level) Altitud de instalación (nivel del mar)	Add to the ambient temperature °C Añadir a Temperatura Ambiente °C
1000 m	0
2000 m	3
3000 m	5
4000 m	7
5000 m	10

Number of Compressors	Models of Compressors				
	Bitzer Semi Hermetic	Dorin Semi Hermetic	Copeland Semi Hermetic	Elgin Scroll	Copeland Scroll
1	✔	✔	✔	✔	✔

Mechanical Accessories		Configuration 0	Configuration C	Configuration G
Suction line filter		X	✔	✔
Liquid line filter		✔	✔	✔
Liquid separator (accumulator)		X	✔	✔
Oil separator	Comp. Semi Herm.	✔	✔	✔
	Comp. Scroll	X	✔	
Liquid Sight		✔	✔	✔
Tank of liquid		✔	✔	✔
Service valve (Tank inlet)		X	✔	✔
Service valve (Tank outlet)		✔	✔	✔
Service valve (Suction line)		✔	✔	✔
Retention valve		✔	✔	✔
Anti-vibration pipe at discharge	Comp. Semi Herm.	X	✔	✔
	Comp. Scroll	X	✔	✔
Suction line insulation		X	✔	✔
Service valve and Solenoid valve (Hot gas line)		X	X	✔

Electric Accessories	Configuration 0	Configuration 1	Configuration 2
Adjustable high and low pressure switch	✔	✔	✔
Metallic electrical box	✔	✔	✔
Condensation control by pressure switch (on/off) 2 VENT - 50/100%	X	X	✔
Compressor contractor	X	X	✔
Elgin Smart	X	✔	✔
Crankcase heater	✔	✔	✔
Capacity control Bitzer and Dorin compressor	X	X	✔
Overload relay	X	✔	✔
Inversion and phase failure relay	X	✔	✔
Circuit breaker	X	✔	✔





Lifting instructions
Instrucción de elevación

1) Round steel bar Ø7/8"x1300 mm or rod CA50 Ø3/4"x1300 mm. The lifting and mounting accessories are not supplied with the condenser unit.

1) Barra de acero redonda Ø7/8"x1300mm o barra de refuerzo CA50 Ø3/4"x1300mm. Los accesorios de elevación y fijación no se incluyen con la unidad condensadora.

Mounting instruction
Instrucción de fijación

1) The condenser unit shall be placed on three high-density rubber bands with minimum width of 50 mm, thickness between 6 to 14 mm, and its length shall not exceed the Condenser Unit in 30 mm.
2) Attach the central rubber band in the flooring or structure with a bolt in each end.
3) Attach the condenser unit and the side bands on the flooring or structure with 3/8 threads bolts and washers.

1) La unidad condensadora debe colocarse sobre tres cintas de goma de alta densidad con un ancho mínimo de 50mm, un grosor entre 6 y 14mm y su longitud debe exceder la unidad condensadora en 30 mm.
2) La cinta de goma central debe fijarse al suelo o estructura con un tornillo en cada lado.
3)La unidad condensadora y las gomas laterales deben fijarse al suelo o estructura con tornillos de rosca de 3/8 y arandelas.

Capacity data / Datos de capacidad

Model	HP	Amb. Temp.	Cold storage capacity / Capacidad Frigorífica [Kcal/h] Evaporation temperature / Temperatura de Evaporación [°C]															
		°C	5°C	0°C	-5°C	-10°C	-15°C	-20°C	-25°C	-30°C	-35°C	10°C	5°C	0°C	-5°C	-10°C	-15°C	-20°C	-25°C
			R-404A / R-507									R-134a							
			Dorin Alternative - Medium and low temperature Dorin Recíproco - Media e baja temperatura																
USHMB4060	6	32°C	Q 21,596	18,605	15,840	13,312	11,013	8,950	7,157	5,566	4,776	17,517	14,658	12,078	9,785	7,780	6,063	4,619	3,441
			P 8.44	7.73	7.04	6.36	5.68	5.03	4.37	3.76	4.23	4.68	4.29	3.93	3.57	3.23	2.9	2.58	2.28
		35°C	Q 20,516	17,664	15,028	12,621	10,432	8,470	6,751	5,239	4,332	16,868	14,105	11,613	9,399	7,463	5,804	4,407	3,266
			P 8.75	7.97	7.22	6.48	5.76	5.07	4.39	3.76	3.89	4.86	4.44	4.06	3.67	3.31	2.96	2.62	2.3
		38°C	Q 19,436	16,725	14,218	11,930	9,851	7,990	6,347	4,913	3,890	16,218	13,553	11,148	9,013	7,146	5,545	4,196	3,092
			P 9.06	8.21	7.39	6.6	5.84	5.11	4.41	3.76	3.55	5.04	4.6	4.18	3.78	3.4	3.02	2.66	2.32
		43°C	Q 17,492	15,112	12,891	10,851	8,985	7,305	5,793	4,484	3,330	15,150	12,687	10,453	8,461	6,711	5,202	3,926	2,876
			P 9.61	8.61	7.68	6.79	5.95	5.16	4.44	3.76	3.13	5.33	4.84	4.38	3.93	3.51	3.1	2.72	2.35
USHMB4070	7	32°C	Q 24,255	21,047	18,046	15,272	12,719	10,405	8,366	6,543	5,607	20,024	16,746	13,783	11,150	8,850	6,886	5,242	3,912
			P 10.13	9.23	8.35	7.51	6.71	5.94	5.16	4.47	4.94	5.72	5.2	4.72	4.28	3.85	3.45	3.06	2.69
		35°C	Q 22,990	19,944	17,094	14,460	12,038	9,844	7,895	6,166	5,087	19,268	16,105	13,247	10,708	8,492	6,598	5,012	3,728
			P 10.47	9.49	8.56	7.67	6.81	6	5.2	4.48	4.55	5.94	5.39	4.88	4.41	3.96	3.53	3.11	2.72
		38°C	Q 21,725	18,841	16,142	13,650	11,358	9,284	7,425	5,790	4,569	18,512	15,464	12,711	10,267	8,134	6,310	4,783	3,545
			P 10.8	9.76	8.77	7.82	6.91	6.06	5.24	4.49	4.16	6.16	5.58	5.04	4.54	4.06	3.6	3.17	2.74
		43°C	Q 19,340	16,861	14,513	12,328	10,302	8,454	6,760	5,280	3,899	17,207	14,414	11,877	9,613	7,627	5,920	4,484	3,313
			P 11.43	10.24	9.12	8.07	7.08	6.15	5.3	4.5	3.65	6.54	5.9	5.3	4.73	4.21	3.71	3.23	2.78
USHMB4090	9	32°C	Q 30,580	26,317	22,390	18,805	15,549	12,632	10,106	7,861	6,924	24,518	20,489	16,876	13,686	10,912	8,546	6,563	4,951
			P 11	10.18	9.35	8.51	7.67	6.84	5.98	5.18	5.95	6.67	6.11	5.56	5.03	4.51	4	3.51	3.06
		35°C	Q 29,030	24,971	21,232	17,824	14,732	11,966	9,552	7,425	6,288	23,639	19,737	16,238	13,150	10,464	8,173	6,251	4,687
			P 11.38	10.48	9.59	8.69	7.8	6.91	6.03	5.19	5.47	6.92	6.3	5.71	5.13	4.58	4.05	3.54	3.08
		38°C	Q 27,490	23,632	20,080	16,847	13,917	11,301	9,000	6,989	5,653	22,765	18,987	15,602	12,615	10,017	7,800	5,940	4,423
			P 11.75	10.79	9.82	8.86	7.92	6.99	6.08	5.2	4.99	7.16	6.49	5.85	5.23	4.65	4.09	3.57	3.1
		43°C	Q 24,873	21,453	18,283	15,386	12,747	10,382	8,264	6,428	4,861	21,387	17,860	14,686	11,875	9,422	7,321	5,552	4,102
			P 12.4	11.28	10.19	9.13	8.09	7.1	6.14	5.22	4.4	7.55	6.78	6.05	5.37	4.74	4.15	3.6	3.13
USHMB4120	12	32°C	Q 35,055	30,054	25,516	21,396	17,675	14,357	11,512	8,961	7,955	32,808	27,394	22,535	18,239	14,500	11,306	8,625	6,442
			P 11.63	10.8	9.98	9.15	8.32	7.49	6.65	5.84	7.05	8.6	8.02	7.39	6.74	6.07	5.38	4.69	4.03
		35°C	Q 33,300	28,612	24,293	20,372	16,830	13,670	10,931	8,493	7,227	31,543	26,321	21,635	17,494	13,888	10,807	8,217	6,103
			P 12.06	11.16	10.27	9.38	8.5	7.63	6.75	5.9	6.5	8.89	8.25	7.58	6.89	6.17	5.45	4.75	4.07
		38°C	Q 31,549	27,176	23,075	19,355	15,991	12,990	10,357	8,031	6,509	30,283	25,254	20,742	16,755	13,283	10,313	7,814	5,770
			P 12.5	11.51	10.56	9.61	8.68	7.76	6.85	5.96	5.96	9.18	8.49	7.76	7.03	6.28	5.53	4.81	4.12
		43°C	Q 28,740	24,955	21,262	17,893	14,828	12,077	9,611	7,448	5,627	28,314	23,656	19,459	15,734	12,477	9,678	7,312	5,364
			P 13.2	12.05	10.98	9.95	8.93	7.94	6.97	6.04	5.29	9.64	8.84	8.03	7.22	6.42	5.63	4.88	4.17
USHMB4150	15	32°C	Q 45,028	39,385	34,076	29,125	24,526	20,309	16,524	13,105	11,343	36,970	30,890	25,421	20,579	16,354	12,735	9,685	7,185
			P 17.14	15.93	14.65	13.33	11.97	10.6	9.24	7.94	9.02	9.42	8.68	7.94	7.19	6.44	5.7	4.97	4.26
		35°C	Q 42,778	37,422	32,374	27,663	23,279	19,253	15,614	12,333	10,273	35,618	29,740	24,454	19,771	15,685	12,180	9,221	6,788
			P 17.7	16.37	14.98	13.56	12.13	10.7	9.3	7.98	8.31	9.77	8.96	8.16	7.36	6.56	5.78	5.01	4.28
		38°C	Q 40,523	35,459	30,676	26,206	22,038	18,204	14,712	11,568	9,216	34,268	28,595	23,491	18,970	15,022	11,631	8,763	6,397
			P 18.27	16.8	15.3	13.79	12.28	10.8	9.37	8.02	7.61	10.12	9.24	8.38	7.53	6.68	5.86	5.06	4.3
		43°C	Q 36,556	32,143	27,921	23,939	20,186	16,703	13,471	10,556	7,873	32,082	26,824	22,071	17,838	14,123	10,914	8,185	5,918
			P 19.26	17.54	15.83	14.15	12.51	10.94	9.45	8.07	6.73	10.69	9.68	8.71	7.76	6.84	5.96	5.12	4.33
USHMB4200	20	32°C	Q 51,940	45,162	38,862	33,066	27,749	22,945	18,703	14,915	13,082	41,219	34,530	28,467	23,060	18,318	14,245	10,813	8,017
			P 21.33	19.2	17.23	15.41	13.71	12.13	10.63	9.26	10.4	11.19	10.18	9.21	8.3	7.43	6.61	5.82	5.07
		35°C	Q 49,446	42,972	36,957	31,424	26,354	21,769	17,695	14,073	11,862	39,620	33,173	27,329	22,117	17,546	13,617	10,303	7,596
			P 22.04	19.78	17.69	15.75	13.96	12.29	10.73	9.3	9.57	11.55	10.47	9.45	8.49	7.57	6.71	5.89	5.12
		38°C	Q 46,938	40,776	35,052	29,784	24,964	20,600	16,694	13,239	10,657	38,022	31,819	26,196	21,181	16,781	12,995	9,798	7,180
			P 22.76	20.36	18.15	16.1	14.2	12.45	10.83	9.34	8.76	11.92	10.77	9.69	8.67	7.71	6.8	5.95	5.16
		43°C	Q 42,239	36,855	31,813	27,127	22,814	18,871	15,278	12,106	9,095	35,340	29,658	24,474	19,823	15,719	12,167	9,151	6,663
			P 24.11	21.4	18.93	16.66	14.59	12.69	10.97	9.4	7.7	12.53	11.24	10.05	8.93	7.89	6.93	6.04	5.22

Q = Capacity (Kcal/h)
P = Consumed power (kW)
Capacities are based on the following conditions:
- Capacity at 60Hz, if 50Hz multiply it by 0.83
- Suction temperature: 18.3ºC / Subcooling: 3.2ºC
- To obtain the capacity in BTU/h multiply by 3.9
- To obtain the capacity in BTU/h divide by 860
- To obtain the temperature in °F: (Value °C × 1.8)+32 = Value °F

Q = Capacidad (Kcal / h)
P = Energía consumida (kW)
Las capacidades se basan en las siguientes condiciones:
- Capacidad a 60Hz,para 50Hz multiplicar por 0.83
- Temperatura de aspiración: 18,3 ° C / Subenfriamiento: 3,2 ° C
- Para obtener la capacidad en BTU / h multiplicar por 3.9
- Para obtener la capacidad en kW dividir por 860
- Para obtener la temperatura en °F: (Value °C × 1.8)+32 = Value °F

Capacity data / Datos de capacidad

Model	HP	Ambient temperature Ambiente		Cold storage capacity / Capacidad Frigorífica [Kcal/h] Evaporation temperature / Temperatura de Evaporación [°C]					
				5°C	0°C	-5°C	-10°C	-15°C	-20°C
Copeland Alternative - Medium and low temperature - R-404A/R-507									
Copeland Recíproco - Media e baja temperatura - R-404A/R-507									
USHMB4080	8	32°C	Q	31,172	26,978	22,935	19,131	15,613	12,441
			P	10.26	9.7	9.11	8.47	7.81	7.11
		35°C	Q	29,572	25,542	21,691	18,113	14,859	11,994
			P	10.67	10.04	9.37	8.66	7.9	7.11
		38°C	Q	27,983	24,113	20,452	17,099	14,108	11,549
			P	11.09	10.37	9.64	8.84	8	7.1
		43°C	Q	25,284	21,787	18,518	15,580	13,025	10,929
			P	11.79	10.92	10.05	9.11	8.13	7.1
USHMB4120	12	32°C	Q	37,465	32,152	27,296	22,859	19,015	15,645
			P	11.62	11.01	10.31	9.6	8.87	8.08
		35°C	Q	35,704	30,648	26,051	21,845	18,188	14,949
			P	12.08	11.41	10.65	9.87	9.09	8.24
		38°C	Q	33,945	29,148	24,813	20,838	17,367	14,259
			P	12.53	11.8	10.98	10.14	9.3	8.4
		43°C	Q	31,071	26,789	22,934	19,366	16,208	13,317
			P	13.28	12.42	11.48	10.54	9.59	8.62
USHMB4150	15	32°C	Q	48,218	41,809	35,692	30,085	25,230	20,823
			P	17.43	16.18	14.88	13.66	11.91	11.31
		35°C	Q	45,819	39,755	33,994	28,735	24,129	19,916
			P	18.03	16.68	15.3	14.02	12.19	11.55
		38°C	Q	43,413	37,700	32,297	27,389	23,032	19,014
			P	18.63	17.19	15.73	14.38	12.48	11.77
		43°C	Q	39,099	34,166	29,502	25,260	21,374	17,699
			P	19.71	18.05	16.42	14.95	12.91	12.11

Capacity data / Datos de capacidad

Model	HP	Amb. Temp.		Cold storage capacity / Capacidad Frigorífica [Kcal/h] Evaporation temperature / Temperatura de Evaporación [°C]										
		°C		-20°C	-25°C	-30°C	-35°C	-40°C	10°C	5°C	0°C	-5°C	-10°C	-15°C	-20°C
				R-404A / R-507					R-134a						
				Copeland Alternative - Medium and low temperature Copeland Recíproco - Media e baja temperatura										
USHB04120	12	32°C	Q	14,154	11,644	9,420	7,461	5,761	26,287	22,368	18,765	15,581	12,739	10,222	7,986
			P	8.41	7.46	6.6	5.76	4.91	7.87	7.24	6.65	6.07	5.51	4.92	4.34
		35°C	Q	13,538	11,146	9,006	7,097	5,409	25,276	21,518	18,062	14,991	12,240	9,790	7,587
			P	8.61	7.61	6.69	5.78	4.87	8.19	7.51	6.87	6.23	5.62	4.98	4.35
		38°C	Q	12,922	10,648	8,592	6,734	5,057	24,263	20,668	17,359	14,400	11,742	9,358	7,190
			P	8.81	7.76	6.77	5.81	4.83	8.51	7.78	7.08	6.4	5.73	5.04	4.36
		43°C	Q	11,909	9,869	7,976	6,220	4,585	-	19,125	16,151	13,438	10,972	8,724	6,636
			P	9.14	7.99	6.91	5.85	4.78	-	8.26	7.46	6.66	5.9	5.12	4.38
USHB04140	14	32°C	Q	19,902	16,445	13,377	10,719	8,383	35,618	30,084	25,150	20,861	17,022	13,576	10,434
			P	11.38	10.16	8.94	7.75	6.63	10.23	9.46	8.7	7.99	7.25	6.5	5.73
		35°C	Q	19,053	15,738	12,777	10,187	7,885	34,316	28,983	24,246	20,099	16,395	13,065	10,010
			P	11.62	10.34	9.05	7.79	6.59	10.62	9.81	8.99	8.2	7.39	6.57	5.71
		38°C	Q	18,208	15,033	12,178	9,655	7,387	33,023	27,889	23,346	19,340	15,769	12,554	9,587
			P	11.87	10.51	9.17	7.83	6.56	11.01	10.16	9.28	8.42	7.53	6.63	5.69
		43°C	Q	16,883	13,978	11,321	8,928	6,736	30,711	26,031	21,893	18,173	14,851	11,840	9,020
			P	12.25	10.77	9.33	7.89	6.51	11.7	10.75	9.74	8.74	7.74	6.72	5.65

Q = Capacity (Kcal/h)
P = Consumed power (kW)
Capacities are based on the following conditions:
- Capacity at 60Hz, if 50Hz multiply it by 0.83
- Suction temperature: 18.3ºC / Subcooling: 3.2ºC
- To obtain the capacity in BTU/h multiply by 3.9
- To obtain the capacity in BTU/h divide by 860
- To obtain the temperature in °F: (Value °C × 1.8)+32 = Value °F

Q = Capacidad (Kcal / h)
P = Energía consumida (kW)
Las capacidades se basan en las siguientes condiciones:
- Capacidad a 60Hz,para 50Hz multiplicar por 0.83
- Temperatura de aspiración: 18,3 ° C / Subenfriamiento: 3,2 ° C
- Para obtener la capacidad en BTU / h multiplicar por 3.9
- Para obtener la capacidad en kW dividir por 860
- Para obtener la temperatura en °F: (Value °C × 1.8)+32 = Value °F

Capacity data / Datos de capacidad

Model	HP	Amb. Temp.	Cold storage capacity / Capacidad Frigorífica [Kcal/h] Evaporation temperature / Temperatura de Evaporación [°C]																
			5°C	0°C	-5°C	-10°C	-15°C	-20°C	-25°C	-30°C	-35°C	10°C	5°C	0°C	-5°C	-10°C	-15°C	-20°C	-25°C
		°C	R-404A / R-507									R-134a							
			Bitzer Alternative - Medium and low temperature Bitzer Recíproco - Media e baixa Temperatura																
USHMB4060	6	32°C	Q 20,954	18,072	15,407	12,971	10,772	8,809	7,081	5,580	4,295	17,273	14,506	12,048	9,882	7,993	6,364	4,975	3,804
			P 7.62	7.12	6.6	6.06	5.51	4.96	4.41	3.86	3.33	4.56	4.22	3.88	3.54	3.2	2.87	2.54	2.22
		35°C	Q 19,820	17,109	14,594	12,290	10,206	8,343	6,700	5,271	4,048	16,614	13,953	11,586	9,498	7,676	6,102	4,760	3,627
			P 7.86	7.31	6.76	6.18	5.6	5.02	4.44	3.86	3.31	4.77	4.38	4.01	3.64	3.27	2.91	2.56	2.23
		38°C	Q 18,687	16,147	13,783	11,610	9,641	7,877	6,320	4,963	3,801	15,954	13,401	11,125	9,115	7,359	5,841	4,545	3,451
			P 8.09	7.51	6.91	6.3	5.69	5.07	4.46	3.86	3.28	4.97	4.55	4.14	3.73	3.34	2.96	2.59	2.24
		43°C	Q 16,701	14,528	12,473	10,559	8,802	7,213	5,798	4,557	3,486	14,875	12,537	10,436	8,566	6,922	5,494	4,269	3,232
			P 8.5	7.84	7.17	6.49	5.82	5.15	4.5	3.86	3.25	5.31	4.81	4.33	3.88	3.44	3.02	2.62	2.25
USHMB4070	7	32°C	Q 23,569	20,422	17,494	14,802	12,357	10,163	8,218	6,517	5,051	20,140	16,868	13,949	11,376	9,137	7,214	5,584	4,225
			P 9.04	8.41	7.76	7.11	6.46	5.8	5.15	4.52	3.9	5.47	5.03	4.61	4.19	3.78	3.38	2.99	2.61
		35°C	Q 22,326	19,360	16,592	14,042	11,722	9,638	7,788	6,170	4,774	19,335	16,196	13,392	10,916	8,758	6,903	5,331	4,018
			P 9.32	8.65	7.96	7.27	6.58	5.89	5.21	4.54	3.91	5.68	5.2	4.73	4.28	3.84	3.42	3	2.61
		38°C	Q 21,083	18,298	15,691	13,283	11,088	9,113	7,359	5,823	4,497	18,532	15,525	12,835	10,456	8,380	6,593	5,078	3,813
			P 9.6	8.88	8.16	7.43	6.7	5.97	5.26	4.57	3.91	5.88	5.36	4.86	4.38	3.91	3.45	3.02	2.6
		43°C	Q 18,793	16,424	14,169	12,057	10,108	8,337	6,750	5,350	4,134	17,151	14,431	11,969	9,774	7,844	6,173	4,748	3,553
			P 10.11	9.3	8.49	7.68	6.88	6.1	5.34	4.6	3.91	6.23	5.63	5.06	4.51	3.99	3.5	3.03	2.59
USHMB4090	9	32°C	Q 31,582	27,088	22,987	19,280	15,962	13,020	10,442	8,205	6,292								
			P 11.13	10.36	9.57	8.76	7.94	7.11	6.29	5.47	4.68								
		35°C	Q 30,033	25,766	21,864	18,333	15,169	12,362	9,902	7,769	5,944								
			P 11.53	10.69	9.83	8.97	8.09	7.22	6.35	5.5	4.68								
		38°C	Q 28,495	24,451	20,747	17,389	14,377	11,706	9,363	7,333	5,597								
			P 11.92	11.01	10.1	9.17	8.24	7.32	6.41	5.53	4.68								
		43°C	Q 25,850	22,288	18,985	15,963	13,230	10,791	8,639	6,767	5,160								
			P 12.59	11.55	10.51	9.48	8.46	7.47	6.5	5.56	4.68								
USHMB4120	12	32°C	Q 40,914	34,918	29,468	24,560	20,186	16,327	12,962	10,062	7,598								
			P 13.57	12.56	11.54	10.49	9.43	8.36	7.31	6.28	5.31								
		35°C	Q 38,861	33,172	27,990	23,319	19,151	15,472	12,264	9,500	7,152								
			P 14.03	12.95	11.85	10.73	9.61	8.49	7.39	6.33	5.32								
		38°C	Q 36,809	31,429	26,519	22,084	18,123	14,625	11,573	8,944	6,711								
			P 14.5	13.34	12.16	10.97	9.79	8.62	7.47	6.37	5.33								
		43°C	Q 33,359	28,623	24,247	20,256	16,661	13,465	10,661	8,234	6,167								
			P 15.29	13.96	12.64	11.33	10.04	8.79	7.58	6.42	5.35								
USHMB4150	15	32°C	Q 45,596	38,963	32,886	27,379	22,444	18,072	14,247	10,943	8,132								
			P 15.79	14.52	13.25	11.97	10.69	9.42	8.17	6.97	5.82								
		35°C	Q 43,220	36,934	31,165	25,929	21,232	17,070	13,428	10,282	7,609								
			P 16.28	14.91	13.55	12.19	10.83	9.5	8.2	6.94	5.75								
		38°C	Q 40,840	34,907	29,448	24,485	20,028	16,075	12,616	9,629	7,092								
			P 16.76	15.3	13.85	12.41	10.98	9.58	8.22	6.92	5.7								
		43°C	Q 36,693	31,532	26,717	22,290	18,277	14,690	11,531	8,789	6,449								
			P 17.61	15.95	14.33	12.74	11.19	9.69	8.25	6.89	5.62								
USHMB4200	20	32°C	Q 51,792	44,622	37,980	31,903	26,409	21,505	17,182	13,424	10,204								
			P 19.23	17.63	16.05	14.49	12.95	11.44	9.98	8.57	7.25								
		35°C	Q 49,094	42,315	36,020	30,251	25,029	20,363	16,249	12,671	9,608								
			P 19.84	18.14	16.47	14.82	13.2	11.62	10.09	8.64	7.28								
		38°C	Q 46,385	40,004	34,062	28,603	23,655	19,228	15,323	11,926	9,018								
			P 20.46	18.66	16.88	15.14	13.44	11.79	10.21	8.71	7.31								
		43°C	Q 41,406	35,950	30,784	25,973	21,561	17,577	14,033	10,930	8,259								
			P 21.59	19.55	17.57	15.66	13.81	12.04	10.37	8.8	7.35								

For higher capacities, see the next page
Para mayores capacidades, consulte la página siguiente

Q = Capacity (Kcal/h)
P = Consumed power (kW)
Capacities are based on the following conditions:
- Capacity at 60Hz, if 50Hz multiply it by 0.83
- Suction temperature: 18.3ºC / Subcooling: 3.2ºC
- To obtain the capacity in BTU/h multiply by 3.9
- To obtain the capacity in BTU/h divide by 860
- To obtain the temperature in °F: (Value °C × 1.8)+32 = Value °F

Q = Capacidad (Kcal / h)
P = Energía consumida (kW)
Las capacidades se basan en las siguientes condiciones:
- Capacidad a 60Hz,para 50Hz multiplicar por 0.83
- Temperatura de aspiración: 18,3 ° C / Subenfriamiento: 3,2 ° C
- Para obtener la capacidad en BTU / h multiplicar por 3.9
- Para obtener la capacidad en kW dividir por 860
- Para obtener la temperatura en °F: (Value °C × 1.8)+32 = Value °F

Capacity data / Datos de capacidad

Model	HP	Amb. Temp. °C		Cold storage capacity / Capacidad Frigorífica [Kcal/h] Evaporation temperature / Temperatura de Evaporación [°C]														
				-5°C	-10°C	-15°C	-20°C	-25°C	-30°C	-35°C	-40°C	10°C	5°C	0°C	-5°C	-10°C	-15°C	-20°C	-25°C
				R-404A / R-507								R-134a							
				Bitzer Alternative - Low temperature Bitzer Recíproco - Baixa Temperatura								Bitzer Alternative - Medium and low temperature Bitzer Recíproco - Media y baixa Temperatura							
USHB04060	6	32°C	Q	20,728	17,615	14,756	12,165	9,850	7,807	6,031	4,513	23,761	20,045	16,693	13,709	11,091	8,824	6,891	5,268
			P	10.10	9.12	8.17	7.25	6.35	5.50	4.68	3.92	6.98	6.36	5.77	5.21	4.68	4.17	3.68	3.21
		35°C	Q	19,654	16,705	13,991	11,530	9,327	7,383	5,694	4,249	22,810	19,251	16,034	13,165	10,644	8,459	6,594	5,028
			P	10.35	9.32	8.32	7.35	6.42	5.53	4.68	3.89	7.25	6.57	5.94	5.34	4.77	4.23	3.71	3.22
		38°C	Q	18,580	15,795	13,227	10,894	8,805	6,960	5,356	3,986	21,858	18,456	15,375	12,621	10,198	8,095	6,298	4,787
			P	10.61	9.52	8.47	7.45	6.48	5.55	4.68	3.87	7.51	6.79	6.11	5.47	4.86	4.29	3.74	3.24
		43°C	Q	16,638	14,230	11,978	9,906	8,032	6,362	4,901	3,644	20,114	17,077	14,290	11,772	9,535	7,578	5,896	4,474
			P	11.06	9.86	8.71	7.61	6.57	5.59	4.68	3.84	8.00	7.17	6.40	5.68	5.00	4.37	3.79	3.25
USHB04090	9	32°C	Q	24,290	20,811	17,533	14,501	11,745	9,282	7,119	5,256	28,682	24,461	20,535	16,946	13,722	10,878	8,418	6,334
			P	13.09	11.56	10.13	8.81	7.57	6.43	5.38	4.44	8.99	8.13	7.31	6.53	5.77	5.03	4.33	3.67
		35°C	Q	22,916	19,643	16,550	13,682	11,069	8,732	6,678	4,908	27,423	23,406	19,655	16,212	13,109	10,361	7,976	5,946
			P	13.41	11.8	10.32	8.93	7.65	6.46	5.37	4.40	9.30	8.38	7.50	6.66	5.85	5.09	4.36	3.69
		38°C	Q	21,542	18,477	15,568	12,863	10,394	8,182	6,237	4,561	26,163	22,350	18,774	15,479	12,497	9,846	7,535	5,559
			P	13.73	12.05	10.50	9.06	7.73	6.49	5.37	4.37	9.62	8.62	7.68	6.79	5.94	5.14	4.39	3.7
		43°C	Q	NA	16,338	13,867	11,524	9,351	7,379	5,627	4,103	NA	20,385	17,227	14,263	11,539	9,084	6,917	5,044
			P	NA	12.50	10.81	9.26	7.84	6.54	5.37	4.33	NA	9.08	8.00	7.00	6.07	5.22	4.43	3.73
USHB04120	12	32°C	Q	30,794	25,931	21,482	17,468	13,901	10,777	8,086	5,807	35,821	30,127	24,959	20,336	16,261	12,727	9,714	7,196
			P	13.76	12.32	10.92	9.58	8.30	7.07	5.91	4.84	9.44	8.67	7.90	7.13	6.36	5.59	4.84	4.12
		35°C	Q	29,100	24,495	20,275	16,464	13,074	10,104	7,546	5,382	34,268	28,828	23,875	19,432	15,506	12,090	9,170	6,721
			P	14.05	12.51	11.04	9.63	8.28	7.00	5.80	4.69	9.77	8.92	8.08	7.25	6.42	5.60	4.81	4.06
		38°C	Q	27,419	23,068	19,074	15,463	12,249	9,433	7,007	4,957	32,726	27,536	22,796	18,532	14,752	11,455	8,627	6,245
			P	14.33	12.71	11.16	9.68	8.27	6.93	5.69	4.54	10.09	9.17	8.26	7.36	6.48	5.62	4.79	4.01
		43°C	Q	24,514	20,728	17,204	13,981	11,086	8,529	6,313	4,431	30,012	25,379	21,089	17,179	13,676	10,589	7,918	5,649
			P	14.81	13.03	11.34	9.75	8.25	6.84	5.54	4.36	10.67	9.59	8.54	7.54	6.57	5.64	4.76	3.94
USHB04140	14	32°C	Q	34,916	29,701	24,867	20,456	16,493	12,991	9,946	7,348	40,599	34,388	28,686	23,533	18,951	14,946	11,508	8,615
			P	16.93	15.16	13.47	11.85	10.31	8.85	7.47	6.20	11.56	10.53	9.53	8.57	7.62	6.70	5.81	4.96
		35°C	Q	32,975	28,051	23,476	19,295	15,533	12,206	9,312	6,843	38,848	32,920	27,461	22,512	18,098	14,227	10,893	8,077
			P	17.28	15.41	13.63	11.92	10.30	8.77	7.34	6.02	11.96	10.85	9.77	8.73	7.72	6.74	5.80	4.91
		38°C	Q	31,051	26,413	22,094	18,139	14,577	11,423	8,679	6,338	37,112	31,463	26,243	21,496	17,248	13,510	10,279	7,539
			P	17.62	15.66	13.78	11.99	10.3	8.70	7.21	5.84	12.37	11.16	10.00	8.89	7.81	6.77	5.79	4.86
		43°C	Q	27,538	23,579	19,828	16,344	13,167	10,326	7,834	5,693	33,887	28,902	24,219	19,898	15,982	12,497	9,453	6,847
			P	18.25	16.09	14.04	12.1	10.29	8.6	7.04	5.62	13.11	11.72	10.39	9.14	7.95	6.83	5.77	4.79
USHB04180	18	32°C	Q	47,339	40,536	34,210	28,407	23,151	18,452	14,307	10,758	54,265	46,079	38,648	31,973	26,042	20,830	16,303	12,418
			P	22.93	20.59	18.38	16.27	14.28	12.38	10.60	8.84	15.51	14.20	12.93	11.69	10.48	9.30	8.17	7.10
		35°C	Q	44,866	38,434	32,439	26,927	21,928	17,456	13,508	10,113	52,140	44,283	37,141	30,717	25,004	19,979	15,612	11,863
			P	23.48	21.02	18.69	16.48	14.39	12.42	10.57	8.79	16.08	14.69	13.32	11.99	10.7	9.46	8.27	7.15
		38°C	Q	42,384	36,329	30,668	25,452	20,712	16,467	12,715	9,475	50,004	42,484	35,634	29,465	23,970	19,133	14,926	11,314
			P	24.03	21.45	19.00	16.69	14.51	12.46	10.54	8.75	16.66	15.17	13.71	12.30	10.93	9.62	8.37	7.19
		43°C	Q	37,837	32,660	27,733	23,127	18,889	15,053	11,635	8,641	46,040	39,315	33,117	27,478	22,412	17,919	13,986	10,591
			P	25.05	22.20	19.53	17.02	14.69	12.51	10.51	8.69	17.74	16.02	14.36	12.78	11.27	9.84	8.50	7.25

Q = Capacity (Kcal/h)
P = Consumed power (kW)
Capacities are based on the following conditions:
- Capacity at 60Hz, if 50Hz multiply it by 0.83
- Suction temperature: 18.3ºC / Subcooling: 3.2ºC
- To obtain the capacity in BTU/h multiply by 3.9
- To obtain the capacity in BTU/h divide by 860
- To obtain the temperature in °F: (Value °C × 1.8)+32 = Value °F

Q = Capacidad (Kcal / h)
P = Energía consumida (kW)
Las capacidades se basan en las siguientes condiciones:
- Capacidad a 60Hz,para 50Hz multiplicar por 0.83
- Temperatura de aspiración: 18,3 ° C / Subenfriamiento: 3,2 ° C
- Para obtener la capacidad en BTU / h multiplicar por 3.9
- Para obtener la capacidad en kW dividir por 860
- Para obtener la temperatura en °F: (Value °C × 1.8)+32 = Value °F

Capacity data / Datos de capacidad

Model	HP	Amb. Temp. °C		Cold storage capacity / Capacidad Frigorífica [Kcal/h] Evaporation temperature / Temperatura de Evaporación [°C]												
				5°C	0°C	-5°C	-10°C	-15°C	-20°C	15°C	10°C	5°C	0°C	-5°C	-10°C	-15°C
				R-404A / R-507						R-134a						
				Copeland Scroll - Medium and low temperature Copeland Scroll- Media e baja temperatura												
USCMB4060	6	32°C	Q	20,723	17,789	15,125	12,749	10,580	8,651	19,210	16,503	14,031	11,831	9,848	8,091	6,622
			P	6.56	6.31	6.05	5.84	5.64	5.48	4.09	3.87	3.66	3.48	3.32	3.19	3.15
		35°C	Q	19,771	16,935	14,369	12,080	10,036	8,225	18,585	15,973	13,597	11,472	9,556	7,863	6,419
			P	7.02	6.77	6.52	6.3	6.07	5.88	4.36	4.14	3.94	3.77	3.62	3.49	3.41
		38°C	Q	18,818	16,081	13,613	11,412	9,491	7,799	17,960	15,444	13,163	11,112	9,265	7,636	6,217
			P	7.48	7.23	6.99	6.76	6.51	6.28	4.64	4.42	4.23	4.06	3.91	3.78	3.66
		43°C	Q	17,138	14,635	12,383	10,364	8,666	N/A	16,906	14,586	12,485	10,571	8,841	7,315	5,941
			P	8.28	8.01	7.75	7.49	7.17	N/A	5.10	4.87	4.68	4.50	4.34	4.19	4.01
USCMB4080	8	32°C	Q	22,650	19,557	16,717	14,153	11,812	9,738	21,675	18,687	15,906	13,362	11,080	9,051	7,286
			P	8.25	7.76	7.28	6.82	6.37	5.92	4.82	4.65	4.42	4.17	3.92	3.73	3.66
		35°C	Q	21,581	18,601	15,889	13,449	11,271	9,291	21,001	18,081	15,383	12,915	10,705	8,746	7,058
			P	8.68	8.18	7.69	7.22	6.73	6.26	5.12	4.96	4.73	4.48	4.24	4.04	3.93
		38°C	Q	20,512	17,645	15,061	12,746	10,730	8,845	20,326	17,474	14,859	12,468	10,330	8,441	6,831
			P	9.12	8.61	8.11	7.63	7.1	6.6	5.42	5.27	5.05	4.80	4.56	4.35	4.19
		43°C	Q	18,550	15,966	13,666	11,608	9,887	N/A	19,135	16,448	14,011	11,772	9,769	8,002	6,513
			P	9.91	9.36	8.82	8.28	7.67	N/A	5.94	5.80	5.56	5.29	5.04	4.80	4.57
USCMB4100	10	32°C	Q	32,641	27,958	23,716	19,995	16,606	13,654	29,057	24,933	21,146	17,731	14,681	12,027	9,651
			P	10.48	10	9.54	9.1	8.71	8.31	6.12	5.96	5.69	5.35	5.02	4.77	4.71
		35°C	Q	31,176	26,676	22,614	19,044	15,857	13,049	28,160	24,157	20,486	17,167	14,203	11,613	9,346
			P	11.12	10.64	10.17	9.72	9.27	8.84	6.50	6.36	6.09	5.76	5.43	5.18	5.07
		38°C	Q	29,721	25,400	21,517	18,096	15,110	12,446	27,267	23,383	19,829	16,605	13,725	11,199	9,040
			P	11.75	11.27	10.8	10.34	9.84	9.37	6.89	6.75	6.50	6.17	5.85	5.58	5.42
		43°C	Q	27,180	23,265	19,752	16,627	13,993	N/A	25,795	22,156	18,826	15,779	13,048	10,631	8,632
			P	12.85	12.34	11.82	11.31	10.69	N/A	7.53	7.38	7.12	6.78	6.44	6.15	5.90
USCMB4130	13	32°C	Q	40,924	35,178	30,292	25,796	21,661	17,706	37,598	31,914	26,933	22,485	18,582	15,206	12,071
			P	12.96	12.71	12.07	11.58	11.15	10.85	8.06	7.58	7.17	6.78	6.33	6.16	6.06
		35°C	Q	38,961	33,519	28,842	24,510	20,524	16,763	36,382	30,893	26,061	21,747	17,926	14,640	11,620
			P	13.79	13.5	12.91	12.45	12.02	11.66	8.54	8.09	7.68	7.31	7.44	6.70	6.52
		38°C	Q	36,997	31,861	27,396	23,229	19,393	15,825	35,167	29,875	25,193	21,012	17,273	14,080	11,174
			P	14.62	14.29	13.74	13.32	12.89	12.47	9.02	8.59	8.20	7.84	8.54	7.24	6.98
		43°C	Q	33,669	29,149	25,108	21,268	17,717	14,478	33,193	28,285	23,889	19,948	16,345	13,317	10,584
			P	16.04	15.58	15.05	14.65	14.18	13.62	9.80	9.37	8.97	8.61	10.11	7.96	7.59
USCMB4150	15	32°C	Q	47,537	41,349	34,634	29,141	24,432	19,758	44,159	37,701	31,853	26,617	21,952	17,775	14,039
			P	16.41	11.15	14.89	14.19	13.2	12.79	10.10	9.46	8.90	8.40	7.97	7.65	7.49
		35°C	Q	45,364	39,633	32,890	27,581	22,963	18,546	42,783	36,497	30,820	25,724	21,188	17,121	13,511
			P	17.35	10.26	15.89	15.19	14.32	13.81	10.67	10.04	9.50	9.02	8.62	8.29	8.05
		38°C	Q	43,184	37,920	31,146	26,023	21,501	17,341	41,405	35,294	29,789	24,836	20,428	16,472	12,988
			P	18.29	9.38	16.9	16.19	15.43	14.83	11.24	10.63	10.11	9.65	9.26	8.92	8.60
		43°C	Q	39,258	35,142	28,258	23,545	19,258	N/A	39,033	33,313	28,162	23,488	19,320	15,558	12,275
			P	19.98	7.95	18.57	17.78	17.13	N/A	12.22	11.59	11.06	10.59	10.20	9.82	9.35

Q = Capacity (Kcal/h)
P = Consumed power (kW)
Capacities are based on the following conditions:
- Capacity at 60Hz, if 50Hz multiply it by 0.83
- Suction temperature: 18.3ºC / Subcooling: 3.2ºC
- To obtain the capacity in BTU/h multiply by 3.9
- To obtain the capacity in BTU/h divide by 860
- To obtain the temperature in °F: (Value °C × 1.8)+32 = Value °F

Q = Capacidad (Kcal / h)
P = Energía consumida (kW)
Las capacidades se basan en las siguientes condiciones:
- Capacidad a 60Hz,para 50Hz multiplicar por 0.83
- Temperatura de aspiración: 18,3 ° C / Subenfriamiento: 3,2 ° C
- Para obtener la capacidad en BTU / h multiplicar por 3.9
- Para obtener la capacidad en kW dividir por 860
- Para obtener la temperatura en °F: (Value °C × 1.8)+32 = Value °F

Capacity data / Datos de capacidad

Model	HP	Ambient temperature Ambiente		Cold storage capacity / Capacidad Frigorífica [Kcal/h] Evaporation temperature / Temperatura de Evaporación [°C]							
				-5°C	-10°C	-15°C	-20°C	-25°C	-30°C	-35°C	-40°C
Copeland Scroll - Low temperature - R-404A/R-507											
Copeland Scroll- Baja temperatura - R-404A/R-507											
USCB04080	8	32°C	Q	16,055	14,259	12,147	10,200	8,523	7,029	5,723	4,582
			P	7.87	6.62	6.09	5.59	5.1	4.63	4.19	3.79
		35°C	Q	15,310	13,634	11,623	9,781	8,193	6,777	5,538	4,451
			P	8.16	6.92	6.38	5.86	5.34	4.84	4.36	3.92
		38°C	Q	14,566	13,009	11,099	9,363	7,863	6,525	5,352	4,321
			P	8.46	7.21	6.67	6.13	5.58	5.05	4.54	4.06
		43°C	Q	-	12,000	10,283	8,734	7,384	6,171	5,100	4,149
			P	-	7.68	7.13	6.53	5.93	5.35	4.78	4.23
USCB04100	10	32°C	Q	-	-	-	12,991	10,909	9,067	7,378	5,834
			P	-	-	-	7.79	7.22	6.66	6.18	5.69
		35°C	Q	-	-	-	12,404	10,468	8,657	7,047	5,560
			P	-	-	-	8.17	7.54	7.03	6.52	6
		38°C	Q	-	-	-	11,818	10,026	8,248	6,717	5,286
			P	-	-	-	8.55	7.85	7.39	6.85	6.32
		43°C	Q	-	-	-	10,868	9,337	7,631	6,236	4,902
			P	-	-	-	9.17	8.33	7.94	7.34	6.76
USCB04130	13	32°C	Q	-	-	-	16,967	14,102	11,577	9,408	7,543
			P	-	-	-	9.1	8.29	7.57	6.99	6.56
		35°C	Q	-	-	-	16,194	13,513	11,110	9,029	7,230
			P	-	-	-	9.6	8.75	8.01	7.4	6.94
		38°C	Q	-	-	-	15,423	12,925	10,642	8,650	6,916
			P	-	-	-	10.1	9.2	8.44	7.81	7.32
		43°C	Q	-	-	-	14,264	12,071	9,986	8,134	6,500
			P	-	-	-	10.85	9.86	9.04	8.36	7.83
USCB04150	15	32°C	Q	-	-	-	19,852	16,615	13,794	11,264	9,027
			P	-	-	-	11.24	10.39	9.57	8.91	8.37
		35°C	Q	-	-	-	18,931	15,858	13,164	10,745	8,600
			P	-	-	-	11.8	10.93	10.11	9.46	8.92
		38°C	Q	-	-	-	18,013	15,103	12,535	10,226	8,173
			P	-	-	-	12.36	11.47	10.66	10	9.46
		43°C	Q	-	-	-	16,566	13,956	11,612	9,489	7,584
			P	-	-	-	13.23	12.29	11.47	10.78	10.21

Q = Capacity (Kcal/h)
P = Consumed power (kW)
Capacities are based on the following conditions:
- Capacity at 60Hz, if 50Hz multiply it by 0.83
- Suction temperature: 18.3ºC / Subcooling: 3.2ºC
- To obtain the capacity in BTU/h multiply by 3.9
- To obtain the capacity in BTU/h divide by 860
- To obtain the temperature in °F: (Value °C × 1.8)+32 = Value °F

Q = Capacidad (Kcal / h)
P = Energía consumida (kW)
Las capacidades se basan en las siguientes condiciones:
- Capacidad a 60Hz,para 50Hz multiplicar por 0.83
- Temperatura de aspiración: 18,3 ° C / Subenfriamiento: 3,2 ° C
- Para obtener la capacidad en BTU / h multiplicar por 3.9
- Para obtener la capacidad en kW dividir por 860
- Para obtener la temperatura en °F: (Value °C × 1.8)+32 = Value °F

Capacity data / Datos de capacidad

Model	HP	Amb. Temp. °C		Cold storage capacity / Capacidad Frigorífica [Kcal/h] Evaporation temperature / Temperatura de Evaporación [°C]														
				10°C	5°C	0°C	-5°C	-10°C	-15°C	-20°C	-25°C	-30°C	10°C	5°C	0°C	-5°C	-10°C	-15°C	-20°C
				R-404A									R-134a						
				Elgin Scroll - Medium and low temperature Elgin Scroll- Media y baja temperatura															
USCMB4060	6	32°C	Q	22,661	19,680	16,926	14,336	11,874	9,511	7,596	6,097	5,961	14,395	12,275	10,114	8,412	6,678	5,466	4,247
			P	6.25	5.61	5.16	4.88	4.71	4.59	4.51	4.31	5.81	3.78	3.56	3.35	3.14	2.93	2.75	2.56
		35°C	Q	21,785	18,741	15,987	13,465	11,138	8,988	7,173	5,775	5,314	13,979	11,909	9,797	8,141	6,452	5,283	4,101
			P	6.69	6.09	5.67	5.39	5.21	5.06	4.91	4.65	5.2	3.95	3.72	3.5	3.28	3.06	2.87	2.68
		38°C	Q	20,909	17,801	15,050	12,594	10,403	8,465	6,751	5,454	4,670	13,562	11,542	9,481	7,870	6,228	5,099	3,955
			P	7.13	6.57	6.17	5.9	5.71	5.54	5.32	4.99	4.6	4.13	3.88	3.65	3.42	3.19	2.99	2.79
		43°C	Q	19,319	16,185	13,513	11,226	9,289	7,699	6,154	5,012	3,837	12,911	10,990	9,023	7,491	5,925	4,858	3,768
			P	7.93	7.4	7	6.7	6.47	6.23	5.89	5.45	3.82	4.4	4.13	3.87	3.61	3.36	3.15	2.94
USCMB4080	8	32°C	Q	27,349	23,647	20,315	17,248	14,377	11,651	9,351	7,549	7,161	17,919	15,318	12,651	10,547	8,394	6,887	5,363
			P	8.57	7.72	7.11	6.69	6.39	6.15	5.94	5.62	6.92	5.01	4.7	4.4	4.1	3.81	3.57	3.32
		35°C	Q	26,250	22,471	19,142	16,156	13,450	10,987	8,814	7,140	6,380	17,390	14,852	12,248	10,202	8,106	6,652	5,175
			P	9.11	8.32	7.74	7.32	7.01	6.74	6.45	6.05	6.2	5.24	4.91	4.59	4.28	3.98	3.72	3.46
		38°C	Q	25,149	21,294	17,969	15,065	12,524	10,323	8,277	6,730	5,603	16,860	14,386	11,846	9,857	7,819	6,417	4,988
			P	9.66	8.92	8.36	7.96	7.64	7.34	6.96	6.47	5.48	5.46	5.11	4.78	4.46	4.14	3.87	3.61
		43°C	Q	-	19,115	15,908	13,233	11,031	9,289	7,474	6,139	4,570	15,970	13,635	11,228	9,348	7,413	6,095	4,739
			P	-	10.02	9.46	9.02	8.64	8.26	7.72	7.09	4.52	5.83	5.45	5.08	4.72	4.38	4.09	3.8
USCMB4100	10	32°C	Q	38,023	33,012	28,402	24,081	19,976	16,034	12,820	10,302	10,046	25,251	21,556	17,779	14,802	11,763	9,638	7,496
			P	10.63	9.54	8.77	8.28	7.97	7.75	7.58	7.24	9.69	6.76	6.36	5.97	5.58	5.2	4.87	4.54
		35°C	Q	36,544	31,424	26,814	22,603	18,725	15,143	12,100	9,752	8,952	24,513	20,904	17,216	14,319	11,361	9,310	7,234
			P	11.37	10.34	9.62	9.14	8.81	8.54	8.27	7.81	8.67	7.07	6.65	6.24	5.83	5.43	5.09	4.74
		38°C	Q	35,077	29,846	25,235	21,132	17,479	14,254	11,380	9,203	7,862	23,777	20,255	16,654	13,837	10,960	8,981	6,972
			P	12.1	11.14	10.46	9.99	9.65	9.34	8.95	8.38	7.66	7.38	6.94	6.51	6.08	5.66	5.31	4.95
		43°C	Q	32,376	27,100	22,620	18,800	15,577	12,941	10,355	8,444	6,445	22,600	19,257	15,827	13,152	10,411	8,545	6,633
			P	13.44	12.53	11.85	11.34	10.93	10.51	9.92	9.17	6.35	7.87	7.38	6.9	6.43	5.98	5.59	5.21
USCMB4120	12	32°C	Q	45,692	39,748	34,193	28,927	23,890	19,041	15,176	12,152	12,043	28,166	23,989	19,740	16,398	13,003	10,633	8,253
			P	11.74	10.5	9.67	9.17	8.9	8.74	8.64	8.31	11.6	7.1	6.71	6.34	5.94	5.56	5.22	4.88
		35°C	Q	43,965	37,891	32,336	27,203	22,436	18,011	14,344	11,518	10,733	27,361	23,280	19,128	15,874	12,567	10,277	7,969
			P	12.6	11.44	10.66	10.17	9.88	9.66	9.43	8.97	10.39	7.44	7.02	6.62	6.21	5.81	5.45	5.1
		38°C	Q	42,234	36,034	30,484	25,486	20,990	16,988	13,518	10,889	9,441	26,560	22,575	18,520	15,354	12,136	9,924	7,689
			P	13.46	12.38	11.65	11.17	10.85	10.57	10.21	9.62	9.19	7.77	7.33	6.91	6.48	6.05	5.68	5.31
		43°C	Q	39,203	32,943	27,538	22,861	18,857	15,524	12,375	10,043	7,789	25,346	21,545	17,664	14,645	11,566	9,471	7,337
			P	14.97	13.95	13.22	12.69	12.28	11.87	11.29	10.5	7.66	8.27	7.78	7.31	6.84	6.38	5.98	5.59
USCMB4150	15	32°C	Q	56,861	49,232	42,300	35,874	29,825	24,194	19,276	15,529	14,856	35,723	30,509	25,176	20,975	16,684	13,690	10,666
			P	17.48	15.74	14.51	13.67	13.11	12.69	12.32	11.69	14.78	9.68	9.1	8.54	7.98	7.44	6.97	6.49
		35°C	Q	54,617	46,825	39,896	33,635	27,927	22,714	18,180	14,693	13,233	34,678	29,589	24,383	20,298	16,124	13,235	10,307
			P	18.63	17	15.82	15.01	14.42	13.93	13.39	12.59	13.23	10.11	9.5	8.92	8.33	7.76	7.27	6.78
		38°C	Q	52,357	44,409	37,488	31,398	26,034	21,240	17,089	13,861	11,630	33,634	28,673	23,594	19,625	15,568	12,784	9,952
			P	19.79	18.26	17.15	16.34	15.73	15.15	14.45	13.48	11.7	10.54	9.91	9.29	8.68	8.08	7.57	7.07
		43°C	Q	-	40,022	33,334	27,708	23,032	18,987	15,480	12,676	9,513	31,937	27,241	22,415	18,656	14,798	12,177	9,489
			P	-	20.56	19.42	18.55	17.81	17.03	16.02	14.75	9.68	11.25	10.54	9.85	9.18	8.53	7.98	7.44

Q = Capacity (Kcal/h)
P = Consumed power (kW)
Capacities are based on the following conditions:
- Capacity at 60Hz, if 50Hz multiply it by 0.83
- Suction temperature: 18.3ºC / Subcooling: 3.2ºC
- To obtain the capacity in BTU/h multiply by 3.9
- To obtain the capacity in BTU/h divide by 860
- To obtain the temperature in °F: (Value °C × 1.8)+32 = Value °F

Q = Capacidad (Kcal / h)
P = Energía consumida (kW)
Las capacidades se basan en las siguientes condiciones:
- Capacidad a 60Hz,para 50Hz multiplicar por 0.83
- Temperatura de aspiración: 18,3 ° C / Subenfriamiento: 3,2 ° C
- Para obtener la capacidad en BTU / h multiplicar por 3.9
- Para obtener la capacidad en kW dividir por 860
- Para obtener la temperatura en °F: (Value °C × 1.8)+32 = Value °F

Capacity data / Datos de capacidad

Model	HP	Amb. Temp. °C		Cold storage capacity / Capacidad Frigorífica [Kcal/h] Evaporation temperature / Temperatura de Evaporación [°C]								
				5°C	0°C	-5°C	-10°C	-15°C	-20°C	-25°C	-30°C	-35°C
				R448/R-449A								
				Dorin Alternative - Medium and low temperature Dorin Recíproco - Media y Baja Temperatura								
USHMB4060	6	32°C	Q	21540	18234	15248	12577	10200	8112	6342	4822	4755
			P	7.50	6.89	6.28	5.68	5.07	4.47	3.84	3.24	4.74
		35°C	Q	20634	17444	14567	12000	9716	7714	6002	4542	4078
			P	7.79	7.11	6.45	5.78	5.12	4.48	3.83	3.20	3.90
		38°C	Q	19728	16656	13888	11421	9232	7316	5664	4263	3425
			P	8.09	7.33	6.60	5.88	5.18	4.49	3.81	3.16	3.14
		43°C	Q	18096	15309	12785	10530	8522	6758	5210	3904	2652
			P	8.60	7.70	6.86	6.04	5.25	4.50	3.79	3.11	2.31
USHMB4070	7	32°C	Q	24192	20628	17372	14429	11781	9431	7413	5668	5583
			P	9.00	8.23	7.45	6.71	5.98	5.28	4.54	3.85	5.54
		35°C	Q	23122	19696	16570	13748	1121	8965	7019	5346	4789
			P	9.33	8.47	7.64	6.84	6.05	5.30	4.53	3.81	4.56
		38°C	Q	22052	18764	15768	13068	1064	8501	6626	5024	4023
			P	9.64	8.72	7.83	6.97	6.13	5.32	4.53	3.77	3.68
		43°C	Q	20008	17081	14394	11964	9771	7821	6080	4597	3105
			P	10.2	9.16	8.14	7.17	6.25	5.36	4.53	3.73	2.70
USHMB4090	9	32°C	Q	30500	25793	21554	17768	14402	11450	8955	6810	6894
			P	9.78	9.07	8.35	7.60	6.84	6.08	5.26	4.46	6.67
		35°C	Q	29197	24661	20581	16947	13721	10898	8493	6437	5919
			P	10.1	9.35	8.56	7.75	6.94	6.10	5.26	4.42	5.48
		38°C	Q	27904	23535	19614	16129	13042	10347	8032	6064	4977
			P	10.4	9.64	8.77	7.89	7.02	6.14	5.26	4.37	4.41
		43°C	Q	25732	21732	18133	14932	12090	9605	7433	5597	3871
			P	11.1	10.0	9.10	8.12	7.14	6.19	5.25	4.32	3.25
USHMB4120	12	32°C	Q	34964	29456	24563	20216	16371	13013	10201	7763	7921
			P	10.3	9.63	8.91	8.17	7.42	6.65	5.85	5.03	7.90
		35°C	Q	33492	28257	23549	19369	15675	12450	9719	7363	6803
			P	10.7	9.96	9.17	8.37	7.56	6.74	5.89	5.02	6.52
		38°C	Q	32024	27065	22540	18530	14986	11894	9243	6969	5731
			P	11.1	10.2	9.43	8.56	7.70	6.82	5.92	5.01	5.27
		43°C	Q	29733	25280	21088	17365	14063	11173	8645	6485	4481
			P	11.8	10.7	9.80	8.85	7.88	6.92	5.96	5.00	3.91
USHMB4150	15	32°C	Q	44911	38601	32804	27518	22717	18408	14642	11353	11295
			P	15.2	14.2	13.0	11.9	10.6	9.42	8.13	6.84	10.1
		35°C	Q	43024	36958	31382	26301	21682	17535	13882	10693	9671
			P	15.7	14.6	13.3	12.1	10.7	9.45	8.11	6.79	8.33
		38°C	Q	41133	35314	29965	25089	20653	16668	13130	10038	8114
			P	16.3	15.0	13.6	12.2	10.8	9.49	8.10	6.75	6.73
		43°C	Q	37819	32562	27693	23232	19145	15453	12117	9191	6270
			P	17.2	15.7	14.1	12.5	11.0	9.54	8.08	6.69	4.98
USHMB4200	20	32°C	Q	51805	44263	37411	31242	25702	20798	16573	12921	13026
			P	18.9	17.1	15.3	13.7	12.2	10.7	9.35	7.98	11.6
		35°C	Q	49731	42439	35825	29877	24546	19827	15733	12201	11167
			P	19.6	17.6	15.8	14.0	12.4	10.8	9.36	7.92	9.59
		38°C	Q	47645	40610	34240	28515	23396	18862	14899	11488	9383
			P	20.3	18.2	16.2	14.3	12.5	10.9	9.37	7.86	7.75
		43°C	Q	43699	37335	31553	26326	21638	17459	13742	10541	7243
				21.6	19.1	16.9	14.8	12.8	11.0	9.38	7.79	5.69

Q = Capacity (Kcal/h)
P = Consumed power (kW)
Capacities are based on the following conditions:
- Capacity at 60Hz, if 50Hz multiply it by 0.83
- Suction temperature: 18.3ºC / Subcooling: 3.2ºC
- To obtain the capacity in BTU/h multiply by 3.9
- To obtain the capacity in BTU/h divide by 860
- To obtain the temperature in °F: (Value °C × 1.8)+32 = Value °F

Q = Capacidad (Kcal / h)
P = Energía consumida (kW)
Las capacidades se basan en las siguientes condiciones:
- Capacidad a 60Hz,para 50Hz multiplicar por 0.83
- Temperatura de aspiración: 18,3 ° C / Subenfriamiento: 3,2 ° C
- Para obtener la capacidad en BTU / h multiplicar por 3.9
- Para obtener la capacidad en kW dividir por 860
- Para obtener la temperatura en °F: (Value °C × 1.8)+32 = Value °F

Capacity data / Datos de capacidad

Model	HP	Amb. Temp. °C		Cold storage capacity / Capacidad Frigorífica [Kcal/h] Evaporation temperature / Temperatura de Evaporación [°C]								
				5°C	0°C	-5°C	-10°C	-15°C	-20°C	-25°C	-30°C	-35°C
				R448/R-449A								
				Bitzer Alternative - Medium and low temperature Bitzer Recíproco - Media y Baja Temperatura								
USHMB4060	6	32°C	Q	20,900	17,712	14,832	12,256	9,978	7,985	6,275	4,834	4,277
			P	6.78	6.35	5.90	5.42	4.92	4.41	3.88	3.33	3.74
		35°C	Q	19,934	16,897	14,147	11,685	9,506	7,599	5,957	4,570	3,811
			P	7.01	6.53	6.04	5.52	4.98	4.44	3.87	3.29	3.32
		38°C	Q	18,969	16,081	13,464	11,116	9,035	7,213	5,641	4,307	3,347
			P	7.23	6.71	6.17	5.62	5.05	4.46	3.86	3.25	2.90
		43°C	Q	17,278	14,718	12,371	10,247	8,348	6,673	5,215	3,968	2,777
			P	7.62	7.02	6.41	5.77	5.14	4.49	3.85	3.20	2.41
USHMB4070	7	32°C	Q	23,508	20,016	16,841	13,986	11,446	9,212	7,282	5,646	5,030
			P	8.04	7.5	6.93	6.35	5.77	5.16	4.53	3.9	4.38
		35°C	Q	22,455	19,120	16,084	13,351	10,918	8,778	6,925	5,350	4,494
			P	8.31	7.72	7.11	6.49	5.86	5.21	4.55	3.87	3.92
		38°C	Q	21,401	18,224	15,328	12,717	10,392	8,345	6,568	5,053	3,960
			P	8.57	7.94	7.29	6.62	5.94	5.25	4.55	3.85	3.46
		43°C	Q	19,443	16,638	14,054	11,701	9,587	7,713	6,072	4,659	3,293
			P	9.06	8.33	7.59	6.83	6.07	5.32	4.57	3.81	2.89
USHMB4090	9	32°C	Q	31,500	26,549	22,129	18,217	14,785	11,802	9,253	7,109	6,266
			P	9.9	9.24	8.55	7.83	7.09	6.32	5.54	4.71	5.25
		35°C	Q	30,206	25,447	21,195	17,431	14,129	11,259	8,804	6,736	5,596
			P	10.28	9.54	8.78	8.01	7.2	6.38	5.54	4.68	4.69
		38°C	Q	28,924	24,352	20,266	16,648	13,474	10,719	8,357	6,364	4,928
			P	10.65	9.84	9.03	8.18	7.31	6.44	5.55	4.66	4.14
		43°C	Q	26,744	22,579	18,830	15,492	12,548	9,984	7,771	5,892	4,110
			P	11.28	10.34	9.39	8.43	7.47	6.52	5.56	4.61	3.46
USHMB4120	12	32°C	Q	40,808	34,223	28,368	23,206	18,697	14,800	11,486	8,717	7,566
			P	12.07	11.2	10.31	9.38	8.42	7.43	6.43	5.41	5.96
		35°C	Q	39,085	32,761	27,133	22,172	17,838	14,092	10,904	8,237	6,733
			P	12.5	11.56	10.59	9.58	8.55	7.51	6.45	5.39	5.34
		38°C	Q	37,364	31,301	25,905	21,143	16,985	13,392	10,329	7,762	5,909
			P	12.95	11.93	10.87	9.78	8.69	7.58	6.46	5.36	4.72
		43°C	Q	34,512	28,997	24,049	19,658	15,802	12,458	9,590	7,170	4,912
			P	13.7	12.5	11.29	10.08	8.86	7.67	6.49	5.32	3.96
USHMB4150	15	32°C	Q	45,478	38,188	31,659	25,869	20,789	16,381	12,625	9,481	8,098
			P	14.04	12.95	11.84	10.7	9.54	8.37	7.19	6.01	6.53
		35°C	Q	43,469	36,476	30,211	24,653	19,776	15,547	11,939	8,915	7,163
			P	14.51	13.31	12.11	10.88	9.64	8.4	7.16	5.91	5.77
		38°C	Q	41,455	34,765	28,766	23,442	18,770	14,719	11,260	8,356	6,245
			P	14.97	13.68	12.38	11.06	9.74	8.42	7.11	5.83	5.04
		43°C	Q	37,962	31,943	26,499	21,632	17,335	13,591	10,372	7,653	5,137
			P	15.78	14.28	12.8	11.33	9.88	8.45	7.06	5.71	4.16
USHMB4200	20	32°C	Q	51,658	43,734	36,563	30,144	24,462	19,493	15,225	11,630	10,161
			P	17.1	15.72	14.34	12.95	11.56	10.17	8.78	7.39	8.13
		35°C	Q	49,377	41,790	34,917	28,763	23,313	18,547	14,448	10,986	9,045
			P	17.68	16.2	14.72	13.23	11.75	10.27	8.81	7.36	7.3
		38°C	Q	47,084	39,841	33,273	27,385	22,169	17,607	13,676	10,349	7,940
			P	18.27	16.68	15.08	13.5	11.92	10.36	8.84	7.33	6.47
		43°C	Q	42,838	36,419	30,533	25,207	20,450	16,262	12,623	9,517	6,578
				19.34	17.50	15.70	13.93	12.19	10.5	8.87	7.3	5.44

Q = Capacity (Kcal/h)
P = Consumed power (kW)
Capacities are based on the following conditions:
- Capacity at 60Hz, if 50Hz multiply it by 0.83
- Suction temperature: 18.3ºC / Subcooling: 3.2ºC
- To obtain the capacity in BTU/h multiply by 3.9
- To obtain the capacity in BTU/h divide by 860
- To obtain the temperature in °F: (Value °C × 1.8)+32 = Value °F

Q = Capacidad (Kcal / h)
P = Energía consumida (kW)
Las capacidades se basan en las siguientes condiciones:
- Capacidad a 60Hz,para 50Hz multiplicar por 0.83
- Temperatura de aspiración: 18,3 ° C / Subenfriamiento: 3,2 ° C
- Para obtener la capacidad en BTU / h multiplicar por 3.9
- Para obtener la capacidad en kW dividir por 860
- Para obtener la temperatura en °F: (Value °C × 1.8)+32 = Value °F

Capacity data / Datos de capacidad

Model	HP	Amb. Temp. °C		Cold storage capacity / Capacidad Frigorífica [Kcal/h] Evaporation temperature / Temperatura de Evaporación [°C]					
				5°C	0°C	-5°C	-10°C	-15°C	-20°C
				R448/R-449A					
				Bitzer Alternative - Medium and low temperature Bitzer Recíproco - Media y Baja Temperatura					
USCMB4060	6	32°C	Q	20261	17246	14573	12369	10095	8256
			P	6.49	6.25	5.89	5.38	5.27	4.92
		35°C	Q	19497	16599	14032	11882	9734	7983
			P	6.91	6.66	6.30	5.81	5.62	5.22
		38°C	Q	18732	15952	13490	11397	9371	7709
			P	7.32	7.08	6.71	6.25	5.98	5.52
		43°C	Q	17381	14854	12609	10636	8827	N/A
			P	8.05	7.78	7.37	6.94	6.51	N/A
USCMB4080	8	32°C	Q	22145	18960	16107	13731	11270	9294
			P	8.16	7.69	7.09	6.28	5.95	5.32
		35°C	Q	21282	18232	15516	13229	10931	9018
			P	8.54	8.05	7.43	6.66	6.23	5.56
		38°C	Q	20418	17503	14925	12729	10595	8743
			P	8.93	8.43	7.78	7.05	6.52	5.80
		43°C	Q	18813	16205	13916	11913	10070	N/A
			P	9.64	9.10	8.38	7.67	6.97	N/A
USCMB4100	10	32°C	Q	31914	27104	22851	19399	15845	13031
			P	10.3	9.91	9.29	8.38	8.14	7.47
		35°C	Q	30744	26147	22084	18733	15380	12665
			P	10.9	10.4	9.83	8.97	8.59	7.85
		38°C	Q	29585	25196	21323	18072	14920	12303
			P	11.5	11.0	10.3	9.56	9.04	8.23
		43°C	Q	27565	23613	20113	17064	14253	N/A
			P	12.5	11.9	11.2	10.4	9.71	N/A
USCMB4130	30	32°C	Q	40012	34104	29188	25027	20668	16899
			P	12.8	12.5	11.7	10.6	10.4	9.75
		35°C	Q	38422	32854	28166	24110	19906	16270
			P	13.5	13.2	12.4	11.4	11.1	10.3
		38°C	Q	36828	31605	27149	23198	19149	15644
			P	14.3	13.9	13.1	12.3	11.8	10.9
		43°C	Q	34146	29586	25567	21828	18046	14622
			P	15.6	15.1	14.3	13.5	12.8	11.8
USCMB4150	15	32°C	Q	46478	40087	33372	28273	23312	18857
			P	16.2	11.0	14.5	13.0	12.3	11.4
		35°C	Q	44736	38847	32119	27130	22272	18001
			P	17.0	10.1	15.3	14.0	13.2	12.2
		38°C	Q	42987	37616	30865	25989	21230	17142
			P	17.9	9.18	16.2	14.9	14.1	13.0
		43°C	Q	39814	35669	28775	24165	19615	N/A
				19.4	7.72	17.6	16.4	15.5	N/A
USHMB4200	20	32°C	Q	51,658	43,734	36,563	30,144	24,462	19,493
			P	17.1	15.72	14.34	12.95	11.56	10.17
		35°C	Q	49,377	41,790	34,917	28,763	23,313	18,547
			P	17.68	16.2	14.72	13.23	11.75	10.27
		38°C	Q	47,084	39,841	33,273	27,385	22,169	17,607
			P	18.27	16.68	15.08	13.5	11.92	10.36
		43°C	Q	42,838	36,419	30,533	25,207	20,450	16,262
			P	19.34	17.50	15.70	13.93	12.19	10.5

Q = Capacity (Kcal/h)
P = Consumed power (kW)
Capacities are based on the following conditions:
- Capacity at 60Hz, if 50Hz multiply it by 0.83
- Suction temperature: 18.3ºC / Subcooling: 3.2ºC
- To obtain the capacity in BTU/h multiply by 3.9
- To obtain the capacity in BTU/h divide by 860
- To obtain the temperature in °F: (Value °C × 1.8)+32 = Value °F

Q = Capacidad (Kcal / h)
P = Energía consumida (kW)
Las capacidades se basan en las siguientes condiciones:
- Capacidad a 60Hz,para 50Hz multiplicar por 0.83
- Temperatura de aspiración: 18,3 ° C / Subenfriamiento: 3,2 ° C
- Para obtener la capacidad en BTU / h multiplicar por 3.9
- Para obtener la capacidad en kW dividir por 860
- Para obtener la temperatura en °F: (Value °C × 1.8)+32 = Value °F

Capacity data / Datos de capacidad

Model	HP	Amb. Temp. °C		Cold storage capacity / Capacidad Frigorífica [Kcal/h] Evaporation temperature / Temperatura de Evaporación [°C]						
				-5°C	-10°C	-15°C	-20°C	-25°C	-30°C	-35°C
				R-448/R449A						
				Copeland Scroll - Low temperature Copeland Scroll - Baja Temperatura						
USCB04080	8	32°C	Q	16262	13687	11406	9413	7683	6205	5537
			P	7.02	6.52	6.02	5.57	5.12	4.69	4.48
		35°C	Q	15652	13176	10994	9097	7434	6012	5339
			P	7.42	6.91	6.38	5.89	5.42	4.96	4.69
		38°C	Q	15043	12664	10583	8782	7186	5818	5141
			P	7.83	7.29	6.75	6.21	5.71	5.24	4.90
		43°C	Q	-	11837	9943	7860	6827	5548	4870
			P	-	7.91	7.32	6.68	6.14	5.63	5.20
USCB04100	10	32°C	Q	-	-	-	12179	10204	8371	7639
			P	-	-	-	6.90	6.34	5.84	5.47
		35°C	Q	-	-	-	11729	9833	8034	7482
			P	-	-	-	7.22	6.66	6.19	6.00
		38°C	Q	-	-	-	11280	9461	7697	7356
			P	-	-	-	7.54	6.97	6.54	6.62
		43°C	Q	-	-	-	10567	8894	7196	7188
			P	-	-	-	8.05	7.43	7.05	7.70
USCB04130	13	32°C	Q	-	-	-	15870	13030	10519	9547
			P	-	-	-	8.18	7.36	6.60	6.06
		35°C	Q	-	-	-	15331	12592	10181	9400
			P	-	-	-	8.59	7.77	7.03	6.65
		38°C	Q	-	-	-	14792	12154	9842	9293
			P	-	-	-	9.01	8.17	7.44	7.34
		43°C	Q	-	-	-	13994	11530	9376	9208
			P	-	-	-	9.62	8.76	8.01	8.49
USCB04150	15	32°C	Q	-	-	-	18768	15368	12418	11288
			P	-	-	-	10.05	8.98	8.03	7.48
		35°C	Q	-	-	-	18103	14826	11982	10808
			P	-	-	-	10.57	9.50	8.57	7.90
		38°C	Q	-	-	-	17439	14285	11546	10332
			P	-	-	-	11.10	10.0	9.12	8.35
		43°C	Q	-	-	-	16408	13478	10921	9673
				-	-	-	11.90	10.7	9.91	9.01

Q = Capacity (Kcal/h)
P = Consumed power (kW)
Capacities are based on the following conditions:
- Capacity at 60Hz, if 50Hz multiply it by 0.83
- Suction temperature: 18.3ºC / Subcooling: 3.2ºC
- To obtain the capacity in BTU/h multiply by 3.9
- To obtain the capacity in BTU/h divide by 860
- To obtain the temperature in °F: (Value °C × 1.8)+32 = Value °F

Q = Capacidad (Kcal / h)
P = Energía consumida (kW)
Las capacidades se basan en las siguientes condiciones:
- Capacidad a 60Hz,para 50Hz multiplicar por 0.83
- Temperatura de aspiración: 18,3 ° C / Subenfriamiento: 3,2 ° C
- Para obtener la capacidad en BTU / h multiplicar por 3.9
- Para obtener la capacidad en kW dividir por 860
- Para obtener la temperatura en °F: (Value °C × 1.8)+32 = Value °F

Electrical data / Datos eléctricos

Model	Compressor / Compresor							Fans			
	Model	Electrical feature Característica eléctrica			RLA	MCC	LRA	Electrical feature Característica eléctrica			
		V	F	Hz	A	A	A	V	F	Hz	A
Copeland Scroll - Medium and low temperature											
Copeland Recíproco - Media y baja temperatura											
USCMB4060J*0	ZB48KQE-TF7-559	380	3	60	15.0	21.0	100.0	220	1	60	4.4
USCMB4060T*0	ZB48KQE-TF5-559	220	3	60/50	26.0	36.4	164.0	220	1	60/50	4.4
USCMB4060D*0	ZB48KQE-TFD-559	440	3	60	14.0	19.6	100.0	380/440	3	60	3.2
USCMB4060F*0	ZB48KQE-TFD-559	380	3	50	14.0	19.6	100.0	220	1	50	4.4
USCMB4080J*0	ZB57KCE-TF7-551	380	3	60	18.0	25.2	120.0	220	1	60	4.4
USCMB4080T*0	ZB57KCE-TF5-591	220	3	60/50	36.0	50.4	224.0	220	1	60/50	4.4
USCMB4080D*0	ZB57KCE-TFD-551	440	3	60	16.0	22.4	102.0	380/440	3	60	3.2
USCMB4080F*0	ZB57KCE-TFD-551	380	3	50	16.0	22.4	102.0	220	1	50	4.4
USCMB4100J*0	ZB76KQE-TF7-551	380	3	60	23.0	32.2	145.0	220	1	60	4.4
USCMB4100T*0	ZB76KQE-TF5-551	220	3	60/50	42.0	58.8	239.0	220	1	60/50	4.4
USCMB4100D*0	ZB76KQE-TFD-551	440	3	60	20.0	28.0	125.0	380/440	3	60	5.6
USCMB4100F*0	ZB76KQE-TFD-551	380	3	50	20.0	28.0	125.0	220	1	50	4.4
USCMB4130J*0	ZB95KCE-TE7-551	380	3	60	35.0	49.0	139.0	220	1	60	4.4
USCMB4130T*0	ZB95KCE-TE5-551	220	3	60/50	62.0	86.8	300.0	220	1	60/50	4.4
USCMB4130D*0	ZB95KCE-TED-551	440	3	60	27.0	37.8	133.0	380/440	3	60	3.2
USCMB4130F*0	ZB95KCE-TED-551	380	3	50	27.0	37.8	133.0	220	1	50	4.4
USCMB4150J*0	ZB114KCE-TE7-551	380	3	60	43.0	60.2	196.0	220/380	3	60	3.8
USCMB4150T*0	ZB114KCE-TE5-551	220	3	60/50	63.0	88.2	340.0	220/380	3	60/50	5.6
USCMB4150D*0	ZB114KCE-TED-551	440	3	60	33.0	46.2	156.0	220/380	3	60	3.8
USCMB4150F*0	ZB114KCE-TED-551	380	3	50	33.0	46.2	156.0	220/380	3	50	3.8
Copeland Scroll - Low temperature											
Copeland Scroll - Baja temperatura											
USCB04080J*0	ZF25KQE-TF7-551	380	3	60	15.0	21.0	120.0	220	1	60	4.4
USCB04080T*0	ZF25KQE-TFC-551	220	3	60/50	30.0	42.0	224.0	220	1	60/50	4.4
USCB04080D*0	ZF25KQE-TFD-551	440	3	60	13.0	18.2	99.0	380/440	3	60	3.2
USCB04080F*0	ZF25KQE-TFD-551	380	3	50	13.0	18.2	99.0	220	1	50	4.4
USCB04100J*0	ZF34KQE-TF7-564	380	3	60	26.0	36.4	145.0	220	1	60	4.4
USCB04100T*0	ZF34KQE-TFC-564	220	3	60/50	38.0	53.2	239.0	220	1	60/50	4.4
USCB04100D*0	ZF34KQE-TFD-564	440	3	60	18.0	25.2	100.0	380/440	3	60	3.2
USCB04100F*0	ZF34KQE-TFD-564	380	3	50	18.0	25.2	100.0	220	1	50	4.4
USCB04130J*0	ZF41KQE-TF7-564	380	3	60	22.0	30.8	145.0	220	1	60	4.4
USCB04130T*0	ZF41KQE-TFC-564	220	3	60/50	50.0	70.0	248.0	220	1	60/50	4.4
USCB04130D*0	ZF41KQE-TFD-564	440	3	60	20.0	28.0	125.0	380/440	3	60	3.2
USCB04130F*0	ZF41KQE-TFD-564	380	3	50	20.0	28.0	125.0	220	1	50	4.4
USCB04150J*0	ZF49K5E-TF7-560	380	3	60	29.0	40.6	220.0	220	1	60	4.4
USCB04150T*0	ZF49K5E-TFC-560	220	3	60/50	51.0	71.4	339.0	220	1	60/50	4.4
USCB04150D*0	ZF49K5E-TFD-565	440	3	60	21.0	29.4	139.0	380/440	3	60	3.2
USCB04150F*0	ZF49K5E-TFD-565	380	3	50	21.0	29.4	139.0	220	1	50	4.4
Elgin Scroll - Medium and low temperature											
Elgin Scroll - Media y baja temperatura											
USCMB4060J*C	SMB600J	380	3	60	13.0	18.2	94.0	220	1	60	4.4
USCMB4060T*C	SMB600T	220	3	60	29.0	40.6	167.0	220	1	60	4.4
USCMB4080J*C	SMB800J	380	3	60	16.0	22.4	135.0	220	1	60	4.4
USCMB4080T*C	SMB800T	220	3	60	28.0	39.2	241.0	220	1	60	4.4
USCMB4100J*C	SMB1000J	380	3	60	21.0	29.4	163.0	220	1	60	4.4
USCMB4100T*C	SMB1000T	220	3	60	36.0	50.4	290.0	220	1	60	4.4
USCMB4120J*C	SMB1200J	380	3	60	23.0	32.2	163.0	220	1	60	4.4
USCMB4120T*C	SMB1200T	220	3	60	40.0	56.0	290.0	220	1	60	4.4
USCMB4150J*C	SMB1500J	380	3	60	29.0	40.6	180.0	220/380	3	60	5.6

For items whose frequency is 60/50Hz, data refers to 60Hz RLA = Compressor rated current
LRA = Compressor blocker rotor current
MCC = Compressor maximum operational current
Elgin recommends using the condensation controller under ambient temperature lower than 12°C

Para elementos cuya frecuencia es 60/50Hz, los datos son relativos a 60Hz
RLA = Corriente nominal del compresor
LRA = Corriente del rotor bloqueada del compresor
MCC = Corriente máxima de funcionamiento del compresor
Elgin recomienda usar el controlador de condensación en condiciones ambientales por debajo de 12°C

Electrical data / Datos eléctricos

Model	Compressor / Compresor							Fans			
	Model	Electrical feature Característica eléctrica			RLA	MCC	LRA	Electrical feature Característica eléctrica			
		V	F	Hz	A	A	A	V	F	Hz	A
Bitzer Alternative - Medium and low temperature											
Bitzer Recíproco - Media y baja temperatura											
USHMB4060J*B	4EES-6Y-20D	380	3	60	12.0	16.8	79.0	220	1	60	4.4
USHMB4060T*B	4EES-6Y-20D	220	3	60	19.0	26.6	137.0	220	1	60	4.4
USHMB4060D*B	4EES-6Y-40S	440	3	60	9.0	12.6	62.0	380/440	3	60	3.2
USHMB4060F*B	4EES-6Y-40S	380	3	50	9.0	12.6	62.0	220	1	50	4.4
USHMB4070J*B	4DES-7Y-20D	380	3	60	14.0	19.6	105.0	220	1	60	4.4
USHMB4070T*B	4DES-7Y-20D	220	3	60	23.0	32.2	181.0	220	1	60	4.4
USHMB4070D*B	4DES-7Y-40S	440	3	60	11.0	15.4	82.0	380/440	3	60	3.2
USHMB4070F*B	4DES-7Y-40S	380	3	50	11.0	15.4	82.0	220	1	50	4.4
USHMB4090J*B	4CES-9Y-20D	380	3	60	17.0	23.8	105.0	220	1	60	4.4
USHMB4090T*B	4CES-9Y-20D	220	3	60	28.0	39.2	181.0	220	1	60	4.4
USHMB4090D*B	4CES-9Y-40S	440	3	60	13.0	18.2	82.0	380/440	3	60	3.2
USHMB4090F*B	4CES-9Y-40S	380	3	50	13.0	18.2	82.0	220	1	50	4.4
USHMB4120J*B	4TES-12Y-20D	380	3	60	21.0	29.4	143.0	220	1	60	4.4
USHMB4120T*B	4TES-12Y-20D	220	3	60	34.0	47.6	238.0	220	1	60	4.4
USHMB4120D*B	4TES-12Y-40S	440	3	60	17.0	23.8	113.0	380/440	3	60	3.2
USHMB4120F*B	4TES-12Y-40S	380	3	50	17.0	23.8	113.0	220	1	50	4.4
USHMB4150J*B	4PES-15Y-35P	380	3	60	23.0	32.2	168.0	220/380	3	60	3.8
USHMB4150T*B	4PES-15Y-20P	220	3	60	39.0	54.6	278.0	220/380	3	60	5.6
USHMB4150D*B	4PES-15Y-40P	440	3	60	19.0	26.6	132.0	220/380	3	60	3.8
USHMB4150F*B	4PES-15Y-40P	380	3	50	19.0	26.6	132.0	220/380	3	50	3.8
USHMB4200J*B	4NES-20Y-35P	380	3	60	28.0	39.2	201.0	220/380	3	60	3.8
USHMB4200T*B	4NES-20Y-20P	220	3	60	45.0	63.0	333.0	220/380	3	60	5.6
USHMB4200D*B	4NES-20Y-40P	440	3	60	22.0	30.8	158.0	220/380	3	60	3.8
USHMB4200F*B	4NES-20Y-40P	380	3	50	22.0	30.8	158.0	220/380	3	50	3.8
Bitzer Alternative - Low temperature											
Bitzer Recíproco - Baja temperatura											
USHB04060J*B	4CES-6Y-20D	380	3	60	15.0	21.0	105.0	220	1	60	4.4
USHB04060T*B	4CES-6Y-20D	220	3	60	24.0	33.6	181.0	220	1	60	4.4
USHB04060D*B	4CES-6Y-40S	440	3	60	12.0	16.8	82.0	380/440	3	60	3.2
USHB04060F*B	4CES-6Y-40S	380	3	50	12.0	16.8	82.0	220	1	50	4.4
USHB04090J*B	4TES-9Y-20D	380	3	60	17.0	23.8	103.0	220	1	60	4.4
USHB04090T*B	4TES-9Y-20D	220	3	60	27.0	37.8	171.0	220	1	60	4.4
USHB04090D*B	4TES-9Y-40S	440	3	60	13.0	18.2	81.0	380/440	3	60	3.2
USHB04090F*B	4TES-9Y-40S	380	3	50	13.0	18.2	81.0	220	1	50	4.4
USHB04120J*B	4PES-12Y-20D	380	3	60	21.0	29.4	143.0	220	1	60	4.4
USHB04120T*B	4PES-12Y-20D	220	3	60	34.0	47.6	238.0	220	1	60	4.4
USHB04120D*B	4PES-12Y-40S	440	3	60	17.0	23.8	113.0	380/440	3	60	3.2
USHB04120F*B	4PES-12Y-40S	380	3	50	17.0	23.8	113.0	220	1	50	4.4
USHB04140J*B	4NES-14Y-20D	380	3	60	22.0	30.8	143.0	220	1	60	4.4
USHB04140T*B	4NES-14Y-20D	220	3	60	36.0	50.4	238.0	220	1	60	4.4
USHB04140D*B	4NES-14Y-40S	440	3	60	18.0	25.2	113.0	380/440	3	60	3.2
USHB04140F*B	4NES-14Y-40S	380	3	50	18.0	25.2	113.0	220	1	50	4.4
USHB04180J*B	4HE-18Y-35P	380	3	60	30.0	42.0	201.0	220/380	3	60	3.8
USHB04180T*B	4HE-18Y-20P	220	3	60	50.0	70.0	333.0	220/380	3	60	3.8
USHB04180D*B	4HE-18Y-40P	440	3	60	24.0	33.6	158.0	220/380	3	60	5.6
USHB04180F*B	4HE-18Y-40P	380	3	50	24.0	33.6	158.0	220/380	3	50	3.8

For items whose frequency is 60/50Hz, data refers to 60Hz RLA = Compressor rated current
LRA = Compressor blocker rotor current
MCC = Compressor maximum operational current
Elgin recommends using the condensation controller under ambient temperature lower than 12°C

Para elementos cuya frecuencia es 60/50Hz, los datos son relativos a 60Hz
RLA = Corriente nominal del compresor
LRA = Corriente del rotor bloqueada del compresor
MCC = Corriente máxima de funcionamiento del compresor
Elgin recomienda usar el controlador de condensación en condiciones ambientales por debajo de 12°C

Electrical data / Datos eléctricos

Model	Compressor / Compresor							Fans			
	Model	Electrical feature Característica eléctrica			RLA	MCC	LRA	Electrical feature Característica eléctrica			
		V	F	Hz	A	A	A	V	F	Hz	A
Copeland Alternative - Medium and low temperature											
Copeland Recíproco - Media y baja temperatura											
USHMB4080J*0	3DA3R10ME-ES8-C00	380	3	60	19.0	26.6	132.0	380/440	3	60	3.2
USHMB4080T*0	3DA3R10ME-ES8-C00	220	3	60	33.0	46.2	228.0	220	1	60	4.4
USHMB4080D*0	3DA3R10ME-TFD-C00	440	3	60	20.0	28.0	106.0	380/440	3	60	3.2
USHMB4080F*0	3DA3R10ME-TFD-C00	380	3	50	20.0	28.0	106.0	380/440	3	50	3.2
USHMB4120J*0	3DB3R12ME-ES8-C00	380	3	60	28.0	39.2	132.0	220	1	60	4.4
USHMB4120T*0	3DB3R12ME-ES8-C00	220	3	60	48.0	67.2	228.0	220	1	60	4.4
USHMB4120D*0	3DB3R12ME-TFD-C00	440	3	60	20.0	28.0	106.0	380/440	3	60	3.2
USHMB4120F*0	3DB3R12ME-TFD-C00	380	3	50	20.0	28.0	106.0	220	1	50	4.4
USHMB4150J*0	3DS3R17ME-ES8-C00	380	3	60	33.0	46.2	180.0	220/380	3	60	3.8
USHMB4150T*0	3DS3R17ME-ES8-C00	220	3	60	58.0	81.2	316.0	220/380	3	60	5.6
USHMB4150D*0	3DS3R17ME-TFD-C00	440	3	60	29.0	40.6	138.0	220/380	3	60	3.8
USHMB4150F*0	3DS3R17ME-TFD-C00	380	3	50	29.0	40.6	138.0	220/380	3	50	3.8
Copeland Alternative - Low temperature											
Copeland Recíproco - Baja temperatura											
USHMB4080J*0	3DA3R10ME-ES8-C00	380	3	60	19.0	26.6	132.0	380/440	3	60	3.2
USHMB4080T*0	3DA3R10ME-ES8-C00	220	3	60	33.0	46.2	228.0	220	1	60	4.4
USHMB4080D*0	3DA3R10ME-TFD-C00	440	3	60	20.0	28.0	106.0	380/440	3	60	3.2
USHMB4080F*0	3DA3R10ME-TFD-C00	380	3	50	20.0	28.0	106.0	380/440	3	50	3.2
USHMB4120J*0	3DB3R12ME-ES8-C00	380	3	60	28.0	39.2	132.0	220	1	60	4.4
USHMB4120T*0	3DB3R12ME-ES8-C00	220	3	60	48.0	67.2	228.0	220	1	60	4.4
USHMB4120D*0	3DB3R12ME-TFD-C00	440	3	60	20.0	28.0	106.0	380/440	3	60	3.8
USHMB4120F*0	3DB3R12ME-TFD-C00	380	3	50	20.0	28.0	106.0	220	1	50	4.4
USHMB4150J*0	3DS3R17ME-ES8-C00	380	3	60	33.0	46.2	180.0	220/380	3	60	3.8
USHMB4150T*0	3DS3R17ME-ES8-C00	220	3	60	58.0	81.2	316.0	220/380	3	60	5.6
USHMB4150D*0	3DS3R17ME-TFD-C00	440	3	60	29.0	40.6	138.0	220/380	3	60	3.8
USHMB4150F*0	3DS3R17ME-TFD-C00	380	3	50	29.0	40.6	138.0	220/380	3	50	3.8
Dorin Alternative - Medium and low temperature											
Dorin Recíproco - Media y baja temperatura											
USHMB4060J*D	H505CC	380	3	60	12.0	16.8	76.0	220	1	60	4.4
USHMB4060T*D	H505CC	220	3	60	20.0	28.0	131.0	220	1	60	4.4
USHMB4070J*D	H705CC	380	3	60	16.0	22.4	103.0	220	1	60	4.4
USHMB4070T*D	H705CC	220	3	60	27.0	37.8	179.0	220	1	60	4.4
USHMB4090J*D	H755CC	380	3	60	16.0	22.4	103.0	220	1	60	4.4
USHMB4090T*D	H755CC	220	3	60	27.0	37.8	179.0	220	1	60	4.4
USHMB4120J*D	H1003CC	380	3	60	18.0	25.2	110.0	220	1	60	4.4
USHMB4120T*D	H1003CC	220	3	60	31.0	43.4	191.0	220	1	60	4.4
USHMB4150J*D	H1501CC	380	3	60	27.0	37.8	205.0	220/380	3	60	3.8
USHMB4150T*D	H1501CC	220	3	60	46.0	64.4	354.0	220/380	3	60	5.6
USHMB4200J*D	H2001CC	380	3	60	30.0	42.0	212.0	220/380	3	60	3.8
USHMB4200T*D	H2001CC	220	3	60	51.0	71.4	367.0	220/380	3	60	5.6

For items whose frequency is 60/50Hz, data refers to 60Hz RLA = Compressor rated current
LRA = Compressor blocker rotor current
MCC = Compressor maximum operational current
Elgin recommends using the condensation controller under ambient temperature lower than 12°C

Para elementos cuya frecuencia es 60/50Hz, los datos son relativos a 60Hz
RLA = Corriente nominal del compresor
LRA = Corriente del rotor bloqueada del compresor
MCC = Corriente máxima de funcionamiento del compresor
Elgin recomienda usar el controlador de condensación en condiciones ambientales por debajo de 12°C

Physical data / Datos físicos

Model	Connections Conexiones		Liquid Tank Tanque de Líquido	Noise Level* Nivel de Ruído*	Fans	
	Liquid Líquido	Suction Succión			Diameter Diámetro	Quantity Cantidad
	"	"	l	dB	"	
Compressor Scroll - Medium and low temperature						
Compresor Scroll - Media y baja temperatura						
USCMB4060*0	5/8"	1.1/8"	13	73	500	2
USCMB4060*C	5/8"	1.1/8"	13	73	500	2
USCMB4080**0	5/8"	1.1/8"	13	73	500	2
USCMB4080**C	5/8"	1.1/8"	13	73	500	2
USCMB4100**0	3/4"	1.3/8"	14	75	500	2
USCMB4100**C	3/4"	1.3/8"	14	75	500	2
USCMB4130**0	3/4"	1.3/8"	14	75	500	2
USCMB4120*C	3/4"	1.3/8"	14	75	500	2
USCMB4150**0	3/4"	1.3/8"	14	75	630	2
USCMB4150**C	3/4"	1.3/8"	14	75	630	2
Compressor Scroll - Low temperature						
Compresor Scroll - Baja temperatura						
USCB04080**0	5/8"	1.1/8"	13	70	500	2
USCB04100**0	5/8"	1.1/8"	13	73	500	2
USCB04130**0	3/4"	1.3/8"	14	73	500	2
USCB04150**0	3/4"	1.3/8"	14	73	500	2
Compressor Alternative - Medium and low temperature						
Compresor Recíproco - Media y baja temperatura						
USHMB4060**B	5/8"	1.1/8"	13	70	500	2
USHMB4060**D	5/8"	1.1/8"	13	70	500	2
USHMB4070**B	5/8"	1.1/8"	13	70	500	2
USHMB4070**D	5/8"	1.1/8"	13	70	500	2
USHMB4080**0	3/4"	1.3/8"	35	73	500	2
USHMB4090**B	3/4"	1.3/8"	35	73	500	2
USHMB4090**D	3/4"	1.3/8"	35	73	500	2
USHMB4120**B	3/4"	1.3/8"	35	73	500	2
USHMB4120**D	3/4"	1.3/8"	35	73	500	2
USHMB4120**0	3/4"	1.3/8"	35	73	500	2
USHMB4150**B	3/4"	1.3/8"	35	73	630	2
USHMB4150**D	3/4"	1.3/8"	35	73	630	2
USHMB4150**0	3/4"	1.3/8"	35	73	630	2
USHMB4200*B	3/4"	1.3/8"	35	73	630	2
USHMB4200*D	3/4"	1.3/8"	35	73	630	2
Compressor Alternative - Low temperature						
Compresor Recíproco - Baja temperatura						
USHB04060**B	5/8"	1.1/8"	13	70	500	2
USHB04090**B	5/8"	1.1/8"	13	73	500	2
USHB04120**B	3/4"	1.3/8"	35	73	500	2
USHB04120**0	3/4"	1.3/8"	35	73	500	2
USHB04140**B	3/4"	1.3/8"	35	73	500	2
USHB04140**0	3/4"	1.3/8"	35	73	500	2
USHB04180**B	3/4"	1.3/8"	35	73	500	2

Noise Level [dB] measures at 3 meters of distance, according to the standard.
The nose data above are typical for open field. The Condenser Units are cooled with air with horizontal flow, the noise level is considered in the air discharge. For reflexive conditions in the installation, it can significantly increase the noise level. Pay attention to the indoor applications, close to walls and background noise in the environment.

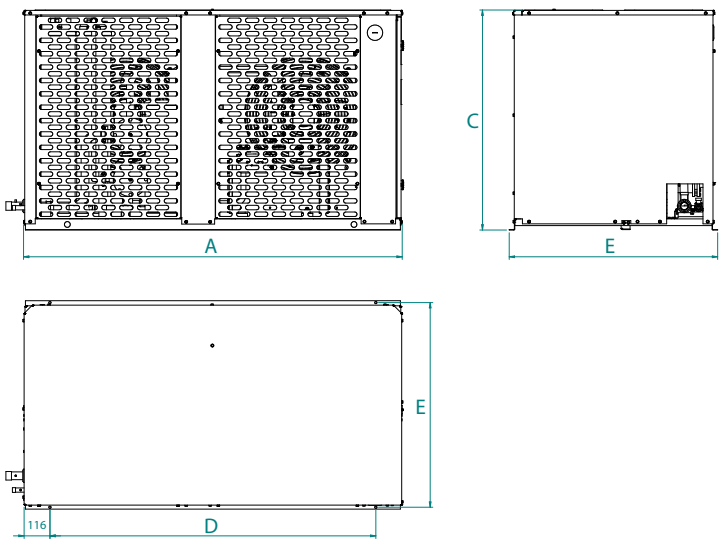
Nivel de Ruido [dB] medido a 3 metros de distancia, conforme norma. Los datos de ruido anteriores son típicos para campo abierto.Las unidades de condensación están refrigeradas por aire con un flujo horizontal, el nivel de ruido se considera en la descarga de aire.Para condiciones reflectantes en la instalación, el nivel de ruido puede aumentar significativamente. Atención en aplicaciones en entornos cerrados, cerca de paredes y ruido de fondo en el entorno.

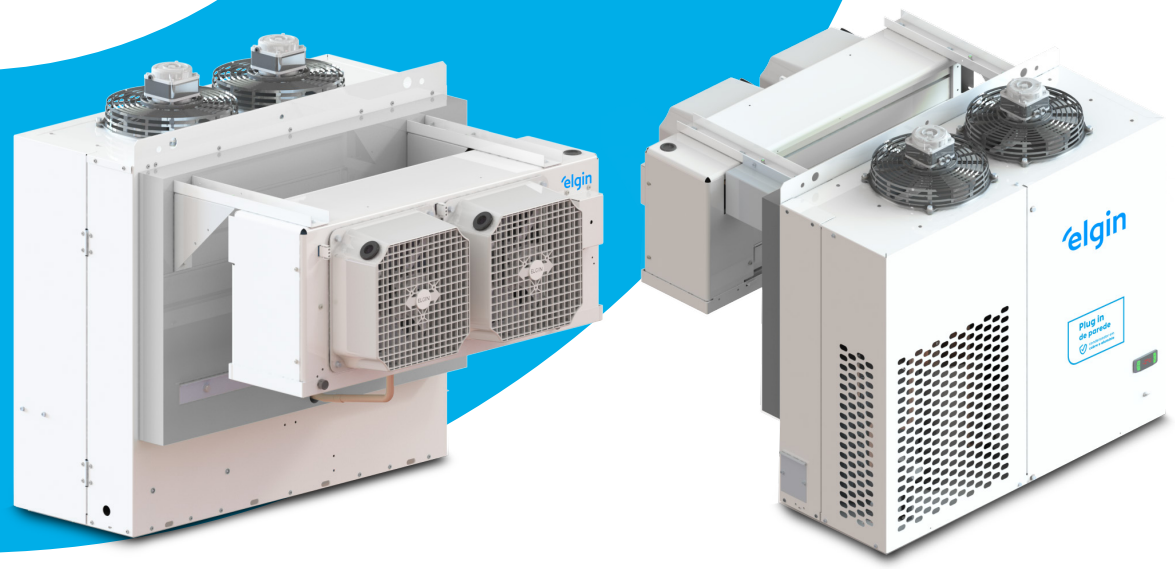
Noise level correction value due to the distance
Valor de corrección del nivel de ruido en función de la distancia

Distance / Distancia	5 m	10 m	15 m	20 m
Subtract / Sustraer	3db (A)	6 db (A)	10 db (A)	12 db (A)

Dimensional data and weight / Datos dimensionales y peso

Model	**Dimension** / Dimension									
	Without packaging Sin embalaje			**With packaging** Con embalaje			**Mounting dimension** Dimensión de fijación		**Weight**	
	Comp. Largo **A**	**Width** Ancho **B**	**Height** Altura **C**	**Comp.** Largo **A**	**Width** Ancho **B**	**Height** Altura **C**	**D**	**B**	**Liquid** Neto	**Gross** Bruto
	mm	mm	mm	mm	mm	mm	mm	mm	kg	kg
Compressor Scroll - Medium and low temperature										
Compresor Scroll - Media y baja temperatura										
USCMB4060*0	1,397	935	705	1,679	1,032	894	1,152	918	210	264
USCMB4060*C	1,397	935	705	1,679	1,032	894	1,152	918	190	244
USCMB4080**0	1,397	935	705	1,679	1,032	894	1,152	918	210	264
USCMB4080**C	1,397	935	705	1,679	1,032	894	1,152	918	211	265
USCMB4100**0	1,707	935	990	2,008	1,032	1,174	1,462	918	282	345
USCMB4100**C	1,707	935	990	2,008	1,032	1,174	1,462	918	274	337
USCMB4130**0	1,707	935	990	2,008	1,032	1,174	1,462	918	317	380
USCMB4120*C	1,707	935	990	2,008	1,032	1,174	1,462	918	274	337
USCMB4150**0	1,707	935	990	2,008	1,032	1,174	1,462	918	340	403
USCMB4150**C	1,707	935	990	2,008	1,032	1,174	1,462	918	333	396
Compressor Scroll - Low temperature										
Compresor Scroll - Baja temperatura										
USCB04080**0	1,397	935	705	1,679	1,032	894	1,152	918	210	264
USCB04100**0	1,397	935	705	1,679	1,032	894	1,152	918	190	244
USCB04130**0	1,707	935	990	2,008	1,032	1,174	1,462	918	210	264
USCB04150**0	1,707	935	990	2,008	1,032	1,174	1,462	918	211	265
Compressor Alternative - Medium and low temperature										
Compresor Recíproco - Media y baja temperatura										
USHMB4060**B	1,397	935	705	1,679	1,032	894	1,152	918	257	311
USHMB4060**D	1,397	935	705	1,679	1,032	894	1,152	918	234	288
USHMB4070**B	1,397	935	705	1,679	1,032	894	1,152	918	260	314
USHMB4070**D	1,397	935	705	1,679	1,032	894	1,152	918	235	289
USHMB4080**0	1,707	935	990	2,008	1,032	1,174	1,462	918	401	464
USHMB4090**B	1,707	935	990	2,008	1,032	1,174	1,462	918	335	398
USHMB4090**D	1,707	935	990	2,008	1,032	1,174	1,462	918	308	371
USHMB4120**B	1,707	935	990	2,008	1,032	1,174	1,462	918	404	467
USHMB4120**D	1,707	935	990	2,008	1,032	1,174	1,462	918	330	393
USHMB4120**0	1,707	935	990	2,008	1,032	1,174	1,462	918	406	469
USHMB4150**B	1,707	935	990	2,008	1,032	1,174	1,462	918	429	492
USHMB4150**D	1,707	935	990	2,008	1,032	1,174	1,462	918	386	449
USHMB4150**0	1,707	935	990	2,008	1,032	1,174	1,462	918	428	491
USHMB4200*B	1,707	935	990	2,008	1,032	1,174	1,462	918	437	500
USHMB4200*D	1,707	935	990	2,008	1,032	1,174	1,462	918	386	449
Compressor Alternative - Low temperature										
Compresor Recíproco - Baja temperatura										
USHB04060**B	1,397	935	705	1,679	1,032	894	1,152	918	500	2
USHB04090**B	1,397	935	705	1,679	1,032	894	1,152	918	500	2
USHB04120**B	1,707	935	990	2,008	1,032	1,174	1,462	918	500	2
USHB04120**0	1,707	935	990	2,008	1,032	1,174	1,462	918	500	2
USHB04140**B	1,707	935	990	2,008	1,032	1,174	1,462	918	500	2
USHB04140**0	1,707	935	990	2,008	1,032	1,174	1,462	918	500	2
USHB04180**B	1,707	935	990	2,008	1,032	1,174	1,462	918	500	2





PPB | PPM
Wall-type plug-in
Wall-type plug-in

The plug-in offers the complete solution to facilitate and reduce installation and maintenance time. Its compact design makes it easier to use in refrigerated and frozen storage projects such as bars, mini-markets, convenience stores, supermarkets and more.
Application range for chambers from 10°C to -20°C in versions with natural and electric defrost.
Application: Refrigeration chambers

El plug-in ofrece la solución completa para facilitar y reducir el tiempo de instalación y mantenimiento. Su diseño compacto proporciona menor consumo de líquido refrigerante y facilidad ser utilizado en proyectos de almacenamiento refrigerado y congelado como: bares, minimarkets, tiendas de conveniencia, supermercados, entre otros.
Rango de aplicación para cámaras de 10°C a -20°C en versiones con deshielo natural y eléctrico.
Aplicación: Cámaras frigoríficas

Capacity Capacidad	1.201 → 5.649 kcal/h
Application Aplicación	-20°C → 10°C
Commercial reference Referencia comercial	1.1/4 → 4 HP
Compressor type Tipo de compresor	Alternative Reciproco
Coolant Fluido refrigerante	R-404A
Defrosting Deshielo	Air / Electric Por aire / Eléctrico
Electrical feature Característica eléctrica	220V-1F-60Hz 220V-3F-60Hz
Condenser	Aluminum fin and copper pipe Aleta de aluminio y tubo de cobre

Nomenclature

PP	B	4	150	E	E	C	A
Product Producto	**Application** Aplicación	**Fluid** Refrigerant	**Capacity** Capacidad	**Electrical** Eléctrica	**Defrosting** Deshielo	**Compressor** Compresor	**Version** Version
Wall-type plug-in/ Plug-In de pared	**M: Medium temperature/ Media Temperatura B: Low Temperature/ Baja Temperatura**	**4: R404A**	**150 Example Ejemplo 150 / 100 = 1.5HP**	**E: 220V-1F 60 Hz T: 220V-3F 60 Hz**	**E: Electrical Eléctrico N: Natural**	**C/E: Elgin Hermetic Alternative**	**A**

Capacity data / Datos de capacidad

Model	HP	Ambient Temperature		Chamber temperature [°C] Temperatura de la câmara [°C]		
				10°C	5°C	2°C
Elgin Alternative - Medium temperature - R-404A						
Elgin Recíproco - Media temperatura - R-404A						
PPM4125ENCA	1.1/4	32°C	Q	1,928	1,748	1,642
			P	1.06	1.03	1.01
		35°C	Q	1,834	1,663	1,563
			P	1.08	1.05	1.03
		38°C	Q	1,755	1,591	1,495
			P	1.09	1.06	1.04
		43°C	Q	1,619	1,468	1,380
			P	1.1	1.06	1.04
PPM4150ENEA	1.1/2	32°C	Q	2,407	2,156	2,009
			P	1.27	1.22	1.19
		35°C	Q	2,299	2,061	1,921
			P	1.3	1.25	1.22
		38°C	Q	2,208	1,979	1,845
			P	1.33	1.27	1.23
		43°C	Q	2,051	1,839	1,714
			P	1.34	1.28	1.24
PPM4200TNCA	2	32°C	Q	4,076	3,616	3,339
			P	1.56	1.46	1.47
		35°C	Q	3,898	3,452	3,183
			P	1.59	1.49	1.5
		38°C	Q	3,715	3284	3,025
			P	1.61	1.51	1.52
		43°C	Q	3,431	3,027	2,784
			P	1.62	1.52	1.53

Q = Capacity (Kcal/h)
P = Consumed power (kW)
Capacities are based on the following conditions:
- Capacity in 60Hz
- To obtain the capacity in BTU/h multiply it by 3.9
- To obtain the capacity in BTU/h divide it by 860
- To obtain the temperature in °F: (Value °C × 1.8)+32 = Value °F
- Capacity at 60Hz, if 50Hz multiply it by 0.83

Q = Capacidad (Kcal / h)
P = Energía consumida (kW)
Las capacidades se basan en las siguientes condiciones:
- Capacity in 60Hz
- Para obtener la capacidad en BTU / h multiplicar por 3.9
- Para obtener la capacidad en kW dividir por 860
- Para obtener la temperatura en °F: (Value °C × 1.8)+32 = Value °F
- Capacity at 60Hz, if 50Hz multiply it by 0.83

Capacity data / Datos de capacidad

Model	HP	Ambient Temperature		Chamber temperature [°C] Temperatura de la câmara [°C]				
				0°C	-5°C	-10°C	-15°C	-20°C
Elgin Alternative - Low temperature - R-404A								
Elgin Recíproco - Baja temperatura - R-404A								
PPB4150EECA	1.1/2	32°C	Q	3016	2598	2179	1762	1381
			P	2.4	2.2	1.6	1.5	1.4
		35°C	Q	2918	2515	2110	1706	1305
			P	2.5	2.3	1.7	1.5	1.4
		38°C	Q	2831	2441	2049	1657	1267
			P	2.5	2.3	1.7	1.6	1.4
		43°C	Q	2677	2310	1939	1569	1201
			P	2.5	2.3	1.7	1.6	1.4
PPB4200EECA	2	32°C	Q	3751	3281	2887	2428	1989
			P	4.0	3.6	3.2	2.8	2.5
		35°C	Q	3551	3101	2725	2286	1856
			P	4.0	3.6	3.3	2.9	2.5
		38°C	Q	3342	2914	2559	2141	1732
			P	4.0	3.7	3.3	2.9	2.5
		43°C	Q	2838	2482	2188	1839	1497
			P	4.1	3.7	3.3	2.9	2.5
PPB4300TECA	3	32°C	Q	5077	4431	3785	3150	2641
			P	4.16	3.86	3.46	3.06	2.76
		35°C	Q	4859	4236	3612	2994	2450
			P	4.36	3.96	3.46	3.16	2.76
		38°C	Q	4634	4033	3433	2833	2310
			P	4.46	4.06	3.56	3.16	2.76
		43°C	Q	4249	3696	3142	2582	2101
			P	4.46	4.06	3.46	3.06	2.56
PPB4400TECA	4	32°C	Q	5649	4950	4251	3579	3038
			P	5.36	4.86	4.26	3.76	3.36
		35°C	Q	5400	4727	4053	3400	2812
			P	5.46	4.96	4.36	3.86	3.36
		38°C	Q	5140	4493	3847	3214	2651
			P	5.66	5.06	4.46	3.86	3.36
		43°C	Q	4700	4103	3506	2911	2392
			P	5.86	5.26	4.66	3.96	3.46

Q = Capacity (Kcal/h)
P = Consumed power (kW)
Capacities are based on the following conditions:
- Capacity in 60Hz
- To obtain the capacity in BTU/h multiply it by 3.9
- To obtain the capacity in BTU/h divide it by 860
- To obtain the temperature in °F: (Value °C × 1.8)+32 = Value °F
- Capacity at 60Hz, if 50Hz multiply it by 0.83

Q = Capacidad (Kcal / h)
P = Energía consumida (kW)
Las capacidades se basan en las siguientes condiciones:
- Capacity in 60Hz
- Para obtener la capacidad en BTU / h multiplicar por 3.9
- Para obtener la capacidad en kW dividir por 860
- Para obtener la temperatura en °F: (Value °C × 1.8)+32 = Value °F
- Capacity at 60Hz, if 50Hz multiply it by 0.83

Electrical data / Datos eléctricos

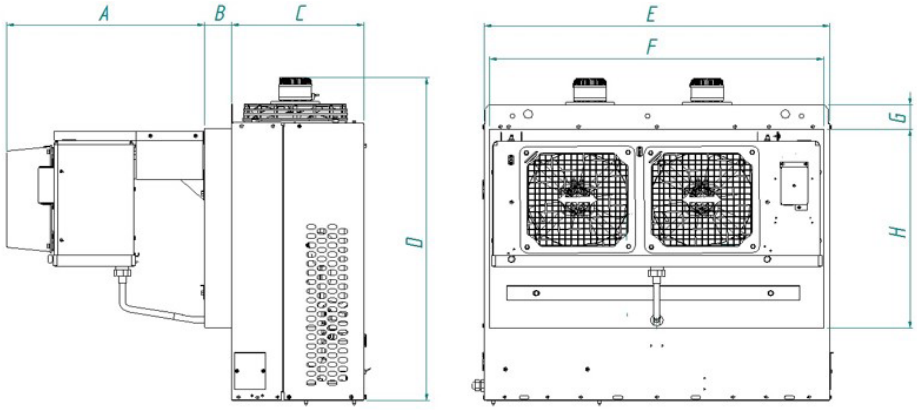
Model	Compressor / Compresor							Fans			Evaporador	Electrical components		
	Model	Electrical feature Característica eléctrica			RLA	MCC	LRA	Electrical feature Característica eléctrica			Flow	Relay Relay	Starter Arranque	Gear Marcha
		V	Hz	F	A	A	A	V	F	A	m³/h		µFD/VAC	
Elgin Alternative - Low and medium temperature - R-404A														
Elgin Recíproco - Baja y media temperatura - R-404A														
PPM4125ENCA	ECP4190E	220	60	1	4.4	6.9	39	220	1	2.0	2000	QLZ-13.2A	124-149-330	16/450
PPM4150ENEA	TCM4080E	220	60	1	6.3	9.8	40.5	220	1	2.0	2000	RVA3AH6D	124-149-330	30/380
PPM4200TNCA	ECM424000T	220	60/50	3	6.1	10.4	46.0	220	1	2.5	2895	-	-	-
PPB4150EECA	ECB2464E	220	60/50	1	8.8	13.8	58.0	220	1	1.9	2000	RVA4AG3R	124-149-330	35/440
PPB4200EECA	ECB2480E	220	60/50	1	15.3	23.9	98.0	220	1	1.9	2000	RVA4AG3R	161-193-330	35/440
PPB4300TECA	ECB2511T	220	60/50	3	11.4	15.8	78.0	220	1	2.5	2895	-	-	-
PPB4400TECA	ECB2516T	220	60/50	3	15.6	23.6	98.8	220	1	2.5	2895	-	-	-

RLA = Compressor rated current
LRA = Compressor blocker rotor current
MCC = Compressor maximum operational current
Type of oil for R404A = Polyolester Oil ISO 32

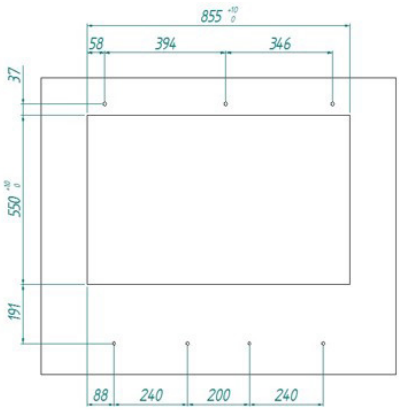
Dimensional data / Datos dimensionales

Model Model	Platform	Dimensions Dimensiones								Drain hole Ø	Weight Net Neto	Weight Gross Gross
		A	B	C	D	E	F	G	H			
		mm	mm	mm	mm	mm	mm	mm	mm	mm	Kg	Kg
PPM4125	A	508	70	338	890	885	855	67	550	35	66	83
PPM4150	A	508	70	338	890	885	855	67	550	35	71	88
PPB4150	A	508	70	338	890	885	855	67	550	35	82	99
PPB4200	A	508	70	338	890	885	855	67	550	35	85	102
PPM4200	B	543	70	439	962	1079	1030	67	550	35	130	161
PPB4300	B	543	70	439	962	1079	1030	67	550	35	130	161
PPB4400	B	543	70	439	962	1079	1030	67	550	35	140	171

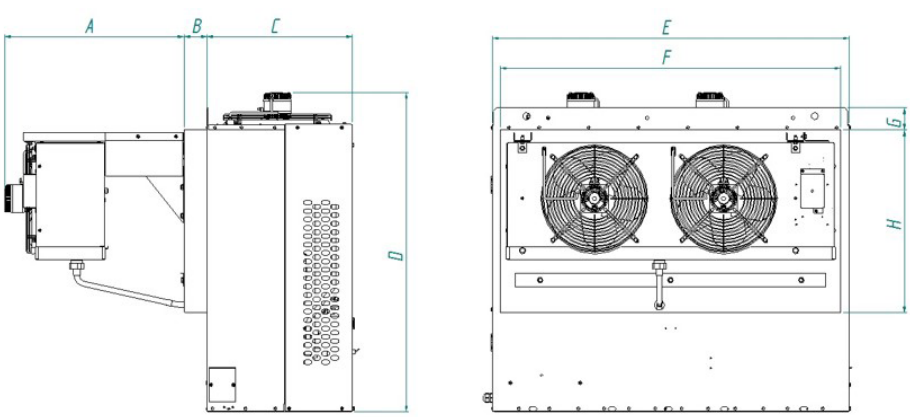
Platform A - 1.1/4 to 2HP with diffuser grid and 10" propeller



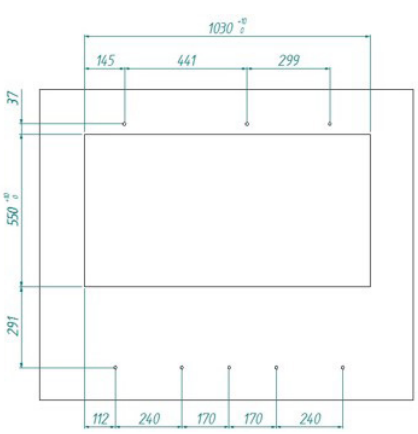
Dimensions for Chamber cutout [mm

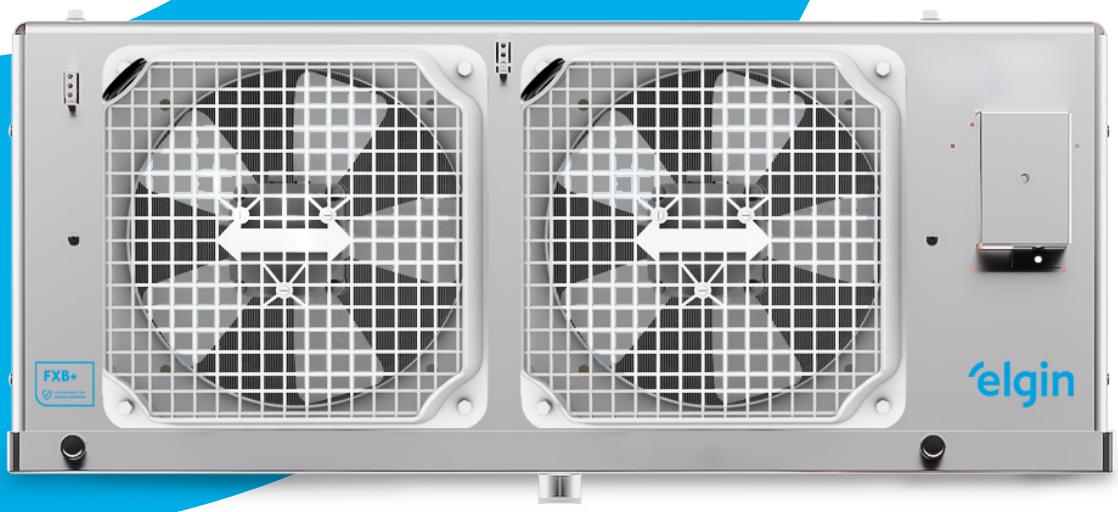


Platform B - 3 to 4HP with wired grid and 12" propeller



Dimensions for Chamber cutout [mm





FXB+
Low profile evaporator
Evaporador de bajo perfil

Intended for cold and frozen storage in sectors such as: Supermarkets, restaurants, fruit and vegetables, butcher's, bakeries, dairy, pharmaceutical, hospitals, industries, beverages and food processing.

Characteristics: Compact cabinet, external aluminum electric box, diffuser grid, plastic propeller, metallic drain, tray and articulated and removable sides, mounting brackets, pipe with pressurized rubber plug, electric resistance at the core and tray.

Destinado al almacenamiento en enfriados y congelado en sectores como: Supermercados, restaurantes, frutas y verduras, carnicerías, panaderías, lácteos, farmacia, hospitales, industrias, bebidas y procesamiento de alimentos.

Características: Gabinete compacto, caja eléctrica externa de aluminio, rejilla difusora, hélice plástica, dreno metálico, charola y laterales abatibles y removibles, soporte de fijación, tubo con tapón de goma presurizado, resistencia eléctrica en el núcleo y en la charola.

Capacity Capacidad	1,041 → 11,015 Kcal/h
Temp. Evaporation Temp. Evaporación	-35°C → 10°C
Air flow Flujo de aire	1,071 → 5,549 m³/h
Air flow Tiro de Aire	10m (0.25 m/s)
Fans	1 → 6 Ø254mm
Type of fan	Shaded pole
Space between fins Espacio entre aletas	4.5 al/in. = 6 mm
Defrosting Deshielo	Air / Electric Por aire / Eléctrico
Cold chamber Cámara fría	Up to 4 meters of height Hasta 4 metros de altura
Aluminum cabinet without painting Gabinete de aluminio sin pintura	
Core with copper pipe 3/8" and aluminum fin Bateria con tubo de cobre 3/8" y aleta de aluminio	

Access the website

Version / Versión: 12/2023

Nomenclature

FXB+	E	039	3	E	C	25	B
Product Producto	**Defrosting and fins per inch** Deshielo y aletas por pulgada	**Model** Modelo	**Fans** Ventiladores	**Voltage** Voltaje	**Type of motor** Tipo de motor	**Fan diameter** Diámetro ventilador	**Version** Versión
FXB+ Low profile FXB+ Evaporator **Evaporador FXB+ bajo perfil**	**E: 4.5 fin/in. Defrosting electrical/ Deshielo eléctrico** **N: 4.5 fin/in. Defrosting by air/ Deshielo por aire**	**039**	**1 2 3 4 5 6**	**E: 220V-1F 50-60Hz**	**C: Shaded pole**	**25: 254 mm**	**B**

Notes

• We recommend Electrical Defrosting for chamber temperatures lower than 2°C
• Maximum working pressure 520 psig
• Capacities based on R-22
• Selection of product for the capacity table:
• Catalog Capacity = Thermal load X Coolant correction factor (F1) X Frequency factor (F2).

Notes

• Recomendamos el descongelamiento eléctrico para temperaturas de cámara inferiores a 2°C
• Presión máxima de trabajo 520 psig
• Capacidades basadas en R-22
• Selección de productos para la tabla de capacidad:
• Capacidad del catálogo = Carga térmica X Factor de corrección Factor de corrección del refrigerante (F1) X Factor de frecuencia(F2).

Coolant correction factor - F1
Factor de corrección Refrigerante - F1

Fluid	Factor / Factor
R-134a / R-452A	0.91
R-407C	1.26
R-448A / R-449A	0.79
R-404A / R-507	0.95

Frequency factor - F2
Factor de frecuencia - F2

Frequency / Frecuencia	Factor / Factor
60Hz	1
50Hz	1.2

Capacity data / Datos de capacidad

Model	**Cold storage capacity** / Capacidad Frigorífica [Kcal/h] **Evaporation temperature** / Temperatura de Evaporación [°C]										Fans			
											QTY. CTD	**Flow Caudal** Flujo de aire	**Diameter** Diámetro	**Fecha de ar** Tiro de aire
	10°C	5°C	0°C	-5°C	-10°C	-15°C	-20°C	-25°C	-30°C	-35°C		m³/h	mm	m
DTI=6°K	**FXB+ 4.5 fins per inch - 6 mm spacing**													
	FXB+ 4,5 aletas por pulgada - Espaciamiento 6mm													
FXB+*012	1,133	1,125	1,110	1,083	1,079	1,076	1,072	1,056	1,049	1,041	1	1,071	254	10
FXB+*013	1,513	1,503	1,482	1,447	1,441	1,437	1,431	1,411	1,401	1,390	1	928	254	10
FXB+*019	2,004	1,985	1,975	1,958	1,934	1,929	1,922	1,911	1,890	1,850	2	2,116	254	10
FXB+*024	2,351	2,331	2,290	2,245	2,233	2,229	2,218	2,198	2,178	2,137	2	2,000	254	10
FXB+*031	3,303	3,138	2,986	2,807	2,670	2,507	2,504	2,474	2,454	2,413	2	1,838	254	10
FXB+*039	4,129	3,922	3,716	3,496	3,349	3,343	3,328	3,297	3,266	3,205	3	2,879	254	10
FXB+*048	5,450	5,175	4,886	4,597	4,268	4,120	4,089	4,048	4,018	3,619	3	2,766	254	10
FXB+*052	5,948	5,648	5,304	4,982	4,814	4,754	4,713	4,672	4,628	4,590	4	3,844	254	10
FXB+*063	7,074	6,730	6,386	5,986	5,647	5,481	5,388	5,296	5,255	5,183	4	3,693	254	10
FXB+*081	9,152	8,699	8,243	7,652	7,030	6,706	6,655	6,614	6,543	6,471	5	4,621	254	10
FXB+*097	11,015	10,462	9,909	9,141	8,695	8,565	8,425	8,300	8,165	8,018	6	5,549	254	10

- Capacity at 60Hz, if 50Hz multiply it by 0.83

- Capacidad a 60Hz, para 50Hz multiplicar por 0.83

Electrical data / Datos eléctricos

Model	Motorized fan			Resistance / Resistencia*			
	QTY. CTD	**Power** Potencia	**Total current** Corriente total 220V 1F	**Power** Potencia	**Total current** Corriente total 220V 1F	**Quantity** Cantidad	
		W	A	W	A	**Tray** Charola	Coil
FXB+ 4.5 fins per inch - 6 mm spacing							
FXB+ 4,5 aletas por pulgada - Espaciamiento 6mm							
FXB+*012	1	45	0.45	680	3.1	1	1
FXB+*013	1	45	0.45	680	3.1	1	1
FXB+*019	2	90	0.90	1,200	5.5	1	1
FXB+*024	2	90	0.90	1,200	5.5	1	1
FXB+*031	2	90	0.90	1,200	5.5	1	1
FXB+*039	3	135	1.35	1,800	8.2	1	1
FXB+*048	3	135	1.35	1,800	8.2	1	1
FXB+*052	4	180	1.80	2,320	10.5	1	1
FXB+*063	4	180	1.80	2,320	10.5	1	1
FXB+*081	5	225	2.25	2,900	13.2	1	1
FXB+*097	6	270	2.70	3,400	15.5	1	1

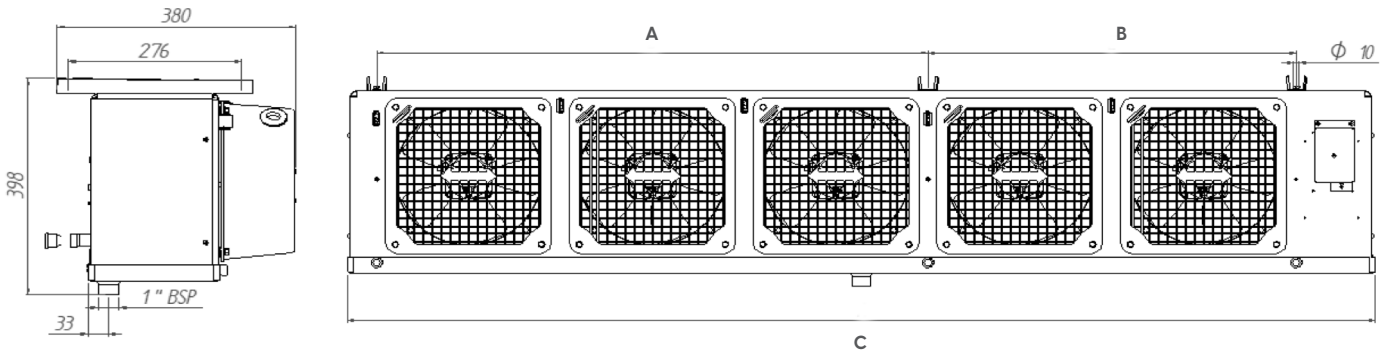
Resistances available only for models with electrical defrosting./ Resistencias solo disponibles para modelos con deshielo eléctrico.

Physical data / Datos físicos

Model	Connections / Conexões				Flow load Carga de fluido
	Liquid inlet Entrada Líquido	Suction outlet Salida Succión	External equalizer Ecualizador externo	Drain (BSP) Drain (BSP)	
	"	"	"	"	Kg
FXB+ 4.5 fins per inch - 6 mm spacing					
FXB+ 4,5 aletas por pulgada - Espaciamiento 6mm					
FXB+˚012	1/2	1/2	1/4"	1"	0.5
FXB+˚013	1/2	1/2	1/4"	1"	0.9
FXB+˚019	1/2	1/2	1/4"	1"	1.0
FXB+˚024	1/2	5/8	1/4"	1"	1.3
FXB+˚031	1/2	5/8	1/4"	1"	1.7
FXB+˚039	1/2	5/8	1/4"	1"	1.8
FXB+˚048	1/2	3/4	1/4"	1"	2.4
FXB+˚052	1/2	3/4	1/4"	1"	2.4
FXB+˚063	1/2	3/4	1/4"	1"	3.2
FXB+˚081	1/2	7/8	1/4"	1"	4.0
FXB+˚097	1/2	7/8	1/4"	1"	4.8

Dimensional data and weight / Datos dimensionales y peso

Model	Fan	Dimension / Dimension						Weight	
		Without packaging Sin embalaje			With packaging Con embalaje				
		A	B	C	Comp. Largo	Width Ancho	Height Altura	Liquid Neto	Gross Bruto
		mm	mm	mm	mm	mm	mm	kg	kg
FXB+ 4.5 fins per inch - 6 mm spacing									
FXB+ 4,5 aletas por pulgada - Espaciamiento 6mm									
FXB+˚012	1	354	-	544	702	362	397	9.0	11.0
FXB+˚013	1	354	-	544	702	362	397	10.0	12.0
FXB+˚019	2	656	-	847	1,024	362	397	12.0	15.0
FXB+˚024	2	656	-	847	1,024	362	397	14.0	17.0
FXB+˚031	2	656	-	847	1,024	362	397	15.0	18.0
FXB+˚039	3	983	-	1,174	1,354	362	397	18.0	21.0
FXB+˚048	3	983	-	1,174	1,354	362	397	20.0	23.0
FXB+˚052	4	1,310	-	1,500	1,682	362	397	23.0	27.0
FXB+˚063	4	1,310	-	1,500	1,682	362	397	26.0	30.0
FXB+˚081	5	981	656	1,829	2,020	362	397	32.0	37.0
FXB+˚097	6	981	983	2,157	2,392	362	397	38.0	43.0

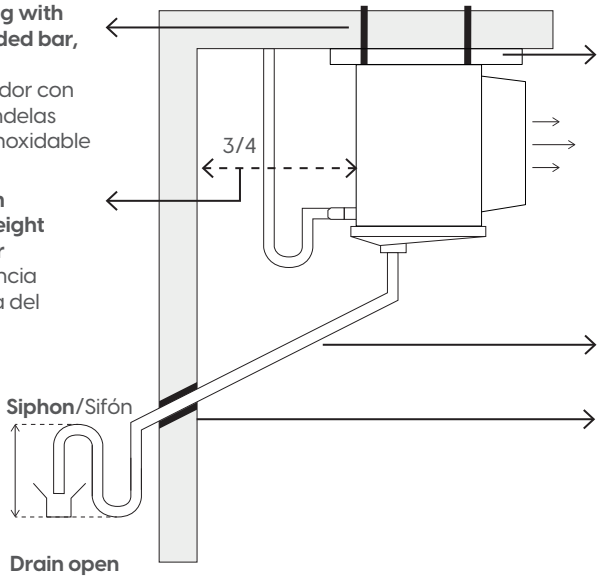


Mounting instruction / Instrucción de fijación

Evaporator mounting with stainless steel threaded bar, nuts, and washers
Fijación del evaporador con barra tuercas y arandelas roscadas de acero inoxidable

Consider a minimum distance of 3/4 of height from the evaporator
Considere una distancia mínima de 3/4 altura del evaporador

Minimum height of drain 30cm
Altura mínima de drenaje 30 cm



Bracket mounting: Height smaller at the fan side
do ventilador
Montaje del soporte: Altura más pequeña en la dirección del ventilador

Minimum tilting angle for water outflow is 45°
El ángulo mínimo de inclinación indicado para el flujo de agua es de 45°

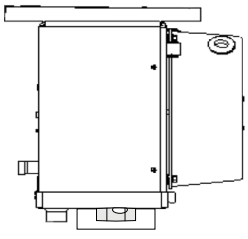
Seal the opening between the drain and the panel correctly
Selle adecuadamente el espacio entre el desagüe y el panel

Recommendations for the drain construction / drain resistance
Recomendaciones de construcción / resistencia al drenaje

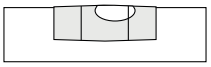
- **The drainage line siphons should be placed on the chamber's external side at positive temperatures**
- **Drainage piping stretches, installed inside the chamber at a temperature lower than 0°C must be wrapped by heaters (drain resistances) and thermally insulated;**
- **The drainage piping heater (drain resistance) must be permanently connected and constantly switched on. A consumption of 65W per linear meter of piping for -18°C of temperature in the chamber and 100W per linear meter for chambers with internal temperatures of -30°C is satisfactory.**

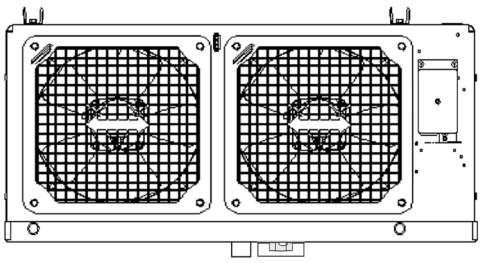
- Las sifones de la línea de desagüe deben colocarse fuera de la cámara a temperaturas positivas.
- Los tramos de tubería de drenaje, instaladas dentro de la cámara a una temperatura inferior a O°C, deben estar rodeadas de calentadores (resistencias de drenaje) y aisladas térmicamente;
- El calentador de la tubería de drenaje (calefacción de drenaje) debe conectarse de tal manera que permanezca encendido constantemente. Un consumo de 65W por metro lineal de tubería para -18°C de temperatura en la cámara y 100W por metro lineal para cámaras con una temperatura interna de -30°C son satisfactorios.

Evaporators leveling instructions at installation
Instrucciones de nivelación para evaporadores en la instalación

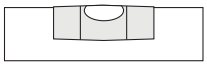


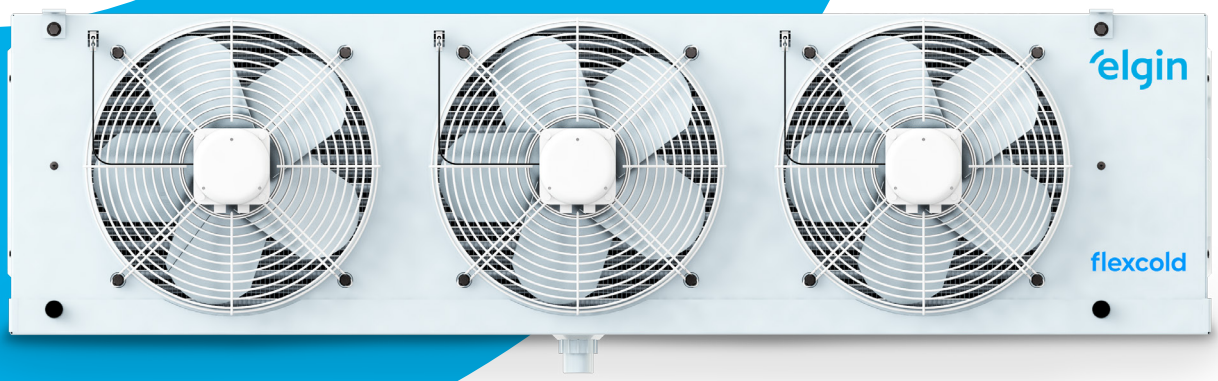
Level with the bubble slightly to the side, indicating the tray is slightly tilted.
Nivel con la burbuja ligeramente en el lateral, lo que indica una ligera inclinación de la charola





Level with centralized bubble
Nivel con burbuja centralizada





FL
Low profile Flexcold evaporator
Evaporador Flexcold de bajo perfil

Intended for cold and frozen storage in sectors such as: Supermarkets, restaurants, fruit and vegetables, butcher's, bakeries, dairy, pharmaceutical, hospitals, industries, beverages and food processing.

Characteristics: Metallic drain, tray and articulated and removable sides, mounting brackets, pipe with pressurized rubber plug, grid and metallic propeller, electric resistance at core and tray.

Capacity Capacidad	1,434 → 17.005 kcal/h
Temp. Evaporation Temp. Evaporación	-40°C → 10°C
Air flow Flujo de aire	1,502 → 11,400 m³/h
Air flow Tiro de Aire	9m (0.25 m/s)
Fans	1 → 8 Ø305mm
Type of fan	Shaded pole
Space between fins Espacio entre aletas	5 al/pol = 5,08mm
Defrosting Deshielo	Natural / Electric Natural / Eléctrico
Cold chamber Cámara fría	Up to 4 meters of height Hasta 4 metros de altura
Aluminum cabinet without painting Gabinete de aluminio sin pintura	
Core with copper pipe 3/8" and aluminum fin Bateria con tubo de cobre 3/8" y aleta de aluminio	

Access the website

Version / Versión: 02/2024

Nomenclature

FLA	017	B	5	1	A
Product Producto	**Model** Modelo	**Voltage** Voltaje	**Fins per inch** Aletas por pulgada	**Fans** Ventiladores	**Version** Versión
FLA: Air defrosting/ Deshielo por aire **FLE:** Electric defrosting/ Deshielo Eléctrico	017	**B:** 220V-1F 50-60Hz	**5:** 5 fin/in.	1 2 3 4 5 6 7 8	**A:** Version/ Versión

Notes

- We recommend Electrical Defrosting for chamber temperatures lower than 2°C
- Maximum working pressure 520 psig
- Capacities based on R-22
- Selection of product for the capacity table:
- Catalog Capacity = Thermal load X Coolant correction factor (F1) X Frequency factor (F2).

Notes

- Recomendamos el descongelamiento eléctrico para temperaturas de cámara inferiores a 2°C
- Presión máxima de trabajo 520 psig
- Capacidades basadas en R-22
- Selección de productos para la tabla de capacidad:
- Capacidad del catálogo = Carga térmica X Factor de corrección Factor de corrección del refrigerante (F1) X Factor de frecuencia(F2).

Coolant correction factor - F1
Factor de corrección Refrigerante - F1

Fluid	Factor / Factor
R-134a / R-452A	0.91
R-407C	1.26
R-448A / R-449A	0.79
R-404A / R-507	0.95

Frequency factor - F2
Factor de frecuencia - F2

Frequency /Frecuencia	Factor / Factor
60Hz	1
50Hz	1.2

Capacity data / Datos de capacidad

Model	Cold storage capacity / Capacidad Frigorífica [Kcal/h] Evaporation temperature / Temperatura de Evaporación [°C]											Fans			
												QTY. CTD	Flow Caudal Flujo de Aire	Diameter Diámetro	Fecha de ar Tiro de Aire
	10°C	5°C	0°C	-5°C	-10°C	-15°C	-20°C	-25°C	-30°C	-35°C	-40°C		m^3/h	mm	m
DTI=6K	**FLA / FLE - Air or electrical defrosting - 5 Fins per inch - 5 mm spacing**														
	FLA / FLE - Deshielo por aire o eléctrico - 5 aletas por pulgada - Espaciamiento 5mm														
FL*017	2,136	2,048	1,937	1,813	1,737	1,714	1,649	1,608	1,561	1,496	1,434	1	1,502	305	9
FL*018	2,477	2,371	2,230	2,083	1,995	1,960	1,890	1,837	1,778	1,729	1,685	2	2,895	305	9
FL*028	3,651	3,475	3,275	3,070	2,935	2,888	2,799	2,735	2,664	2,564	2,452	2	2,895	305	9
FL*031	4,202	3,951	3,669	3,371	3,182	3,085	2,958	2,838	2,717	2,613	2,483	2	2,761	305	9
FL*039	5,322	5,029	4,700	4,330	4,096	3,978	3,849	3,708	3,567	3,422	3,251	3	4,275	305	9
FL*048	6,351	5,993	5,599	5,206	4,930	4,801	4,654	4,472	4,308	4,097	3,841	3	4,275	305	9
FL*053	7,484	7,090	6,650	6,110	5,658	5,511	5,353	5,171	4,983	4,746	4,458	4	5,324	305	9
FL*065	8,634	8,153	7,613	6,950	6,398	6,216	6,016	5,793	5,570	5,179	4,745	4	5,324	305	9
FL*086	11,399	10,800	10,131	9,303	8,617	8,394	8,141	7,865	7,589	7,368	6,789	5	6,598	305	9
FL*096	12,632	11,986	11,258	10,360	9,615	9,368	9,098	8,799	8,493	8,234	7,902	6	7,961	305	9
FL*114	14,974	14,223	13,389	12,362	11,505	11,223	10,912	10,571	10,225	9,878	9,519	7	9,142	305	9
FL*129	17,005	16,142	15,168	13,976	12,984	12,655	12,297	11,892	11,493	10,998	10,391	8	1.0548	305	9
DT=6K	**FLA / FLE - Air or electrical defrosting - 5 Fins per inch - 5 mm spacing**														
	FLA / FLE - Deshielo por aire o eléctrico - 5 aletas por pulgada - Espaciamiento 5mm														
FL*017	1,820	1,745	1,650	1,545	1,480	1,460	1,405	1,370	1,330	1,275	1,222	1	1,502	305	9
FL*018	2,110	2,020	1,900	1,775	1,700	1,670	1,610	1,565	1,515	1,473	1,436	2	2,895	305	9
FL*028	3,110	2,960	2,790	2,615	2,500	2,460	2,385	2,330	2,270	2,184	2,089	2	2,895	305	9
FL*031	3,580	3,366	3,126	2,872	2,711	2,628	2,520	2,418	2,315	2,226	2,115	2	2,761	305	9
FL*039	4,534	4,284	4,004	3,689	3,489	3,389	3,279	3,159	3,039	2,915	2,770	3	4,275	305	9
FL*048	5,410	5,105	4,770	4,435	4,200	4,090	3,965	3,810	3,670	3,490	3,272	3	4,275	305	9
FL*053	6,375	6,040	5,665	5,205	4,820	4,695	4,560	4,405	4,245	4,043	3,798	4	5,324	305	9
FL*065	7,355	6,945	6,485	5,920	5,450	5,295	5,125	4,935	4,745	4,412	4,042	4	5,324	305	9
FL*086	9,710	9,200	8,630	7,925	7,340	7,150	6,935	6,700	6,465	6,276	5,783	5	6,598	305	9
FL*096	10,760	10,210	9,590	8,825	8,190	7,980	7,750	7,495	7,235	7,014	6,731	6	7,961	305	9
FL*114	12,755	12,115	11,405	10,530	9,800	9,560	9,295	9,005	8,710	8,414	8,109	7	9,142	305	9
FL*129	14,485	13,750	12,920	11,905	11,060	10,780	10,475	10,130	9,790	9,368	8,851	8	10,548	305	9

- Capacity at 60Hz, if 50Hz multiply it by 0.83

- Capacity at 60Hz, to 50Hz multiply it by 0.83

Electrical data / Datos eléctricos

Model	Motorized fan			Resistance / Resistencia*			
	QTY. CTD	Power Potencia	Total current Corriente Total 220V-1F	Power Potencia	Total current Corriente Total 220V-1F	Quantity Cantidad	
		W	A	W	A	Tray Charola	Coil
FLA / FLE - Air or electrical defrosting - 5 Fins per inch - 5 mm spacing							
FLA / FLE - Deshielo por aire o eléctrico - 5 aletas por pulgada - Espaciamiento 5mm							
FL*017	1	100	0.65	800	3.64	1	1
FL*018 FL*028 FL*031	2	200	1.3	1,334	6.06	1	1
FL*039 FL*048	3	300	1.95	1,868	8.49	1	1
FL*053 FL*065	4	400	2.6	2,402	10.92	1	1
FL*086	5	500	3.25	2,936	13.35	1	1
FL*096	6	600	3.9	3,400	15.45	1	1
FL*114	7	700	4.55	4,006	18.21	1	1
FL*129	8	800	5.2	4,672	21.24	1	1

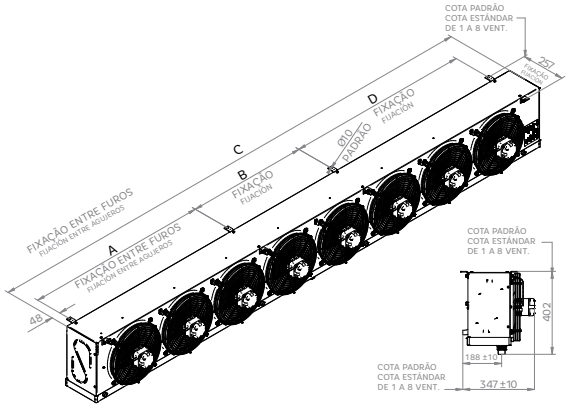
* Resistances available only for models with electrical defrosting./ Resistencias solo disponibles para modelos con deshielo eléctrico.

Physical data / Datos físicos

Model	Connections / Conexões				Flow load Carga de Fluido
	Liquid inlet Entrada Líquido	Suction outlet Salida Succión	External equalizer Ecualizador Externo	Drain (BSP) Drain (BSP)	
	"	"	"	"	Kg
FLA / FLE - Air or electrical defrosting - 5 Fins per inch - 5 mm spacing					
FLA / FLE - Deshielo por aire o eléctrico - 5 aletas por pulgada - Espaciamiento 5mm					
FL*017	1/2	7/8	1/4	1"	1.1
FL*018	1/2	7/8	1/4	1"	1.3
FL*028	1/2	7/8	1/4	1"	1.7
FL*031	1/2	7/8	1/4	1"	1.9
FL*039	1/2	7/8	1/4	1"	2.2
FL*048	1/2	7/8	1/4	1"	2.7
FL*053	1/2	7/8	1/4	1"	3.2
FL*065	1/2	7/8	1/4	1"	3.5
FL*086	1/2	1 1/8	1/4	1"	4.5
FL*096	1/2	1 1/8	1/4	1"	5.0
FL*114	1/2	1 1/8	1/4	1"	5.9
FL*129	1/2	1 1/8	1/4	1"	6.6

Dimensional data and weight / Datos dimensionales y peso

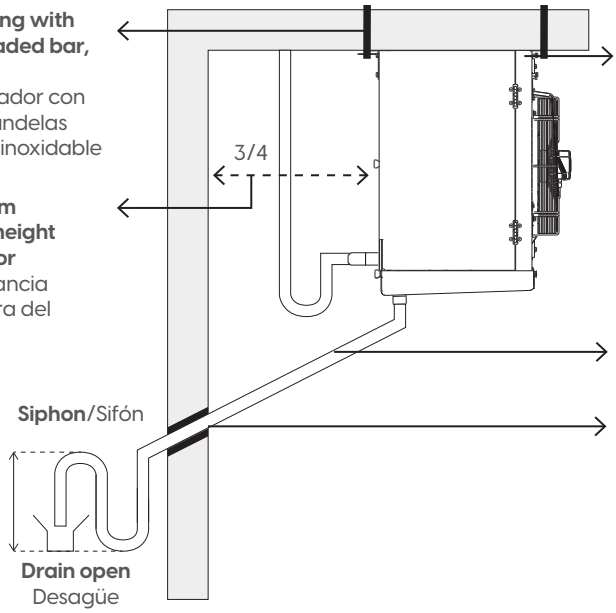
Model	Fan	Dimension / Dimension							Weight	
		Without packaging Sin Embalaje				With packaging Con Embalaje				
		A	B	C	D	Comp. Largo	Width Ancho	Height Altura	Liquid Neto	Gross Bruto
		mm	mm	mm	mm	mm	mm	mm	kg	kg
FLA / FLE - Air or electrical defrosting - 5 Fins per inch - 5 mm spacing										
FLA / FLE - Deshielo por aire o eléctrico - 5 aletas por pulgada - Espaciamiento 5mm										
FL*017	1	499	-	670	-	702	362	415	12.3	13.2
FL*018	2	826	-	995	-	1,024	362	415	18.1	20.1
FL*028	2	826	-	995	-	1,024	362	415	18.9	20.9
FL*031	2	826	-	995	-	1,024	362	415	19.8	21.8
FL*039	3	1,153	-	1,322	-	1,354	362	415	24.6	27.5
FL*048	3	1,153	-	1,322	-	1,354	362	415	25.2	28.2
FL*053	4	741	739	1,652	-	1,682	362	415	35.7	39.7
FL*065	4	741	739	1,652	-	1,682	362	415	36.3	40.2
FL*086	5	1,082	725	1,982	-	2,019	362	415	42.9	47.9
FL*096	6	1,095	1,095	2,364	-	2,392	362	415	51.0	56.9
FL*114	7	1,406	1,056	2,638	-	2,750	480	560	57.8	102.8
FL*129	8	1,081	711	3,046	1,078	3,160	480	560	66.7	114.7



Mounting instruction / Instrucción de fijación

Evaporator mounting with stainless steel threaded bar, nuts, and washers
Fijación del evaporador con barra tuercas y arandelas roscadas de acero inoxidable

Consider a minimum distance of 3/4 of height from the evaporator
Considere una distancia mínima de 3/4 altura del evaporador



Bracket mounting: Height smaller at the fan side
do ventilador
Montaje del soporte: Altura más pequeña en la dirección del ventilador

Minimum tilting angle for water outflow is 45°
El ángulo mínimo de inclinación indicado para el flujo de agua es de 45°

Seal the opening between the drain and the panel correctly
Selle adecuadamente el espacio entre el desagüe y el panel

Siphon/Sifón

Minimum height of drain 30cm
Altura mínima de drenaje 30 cm

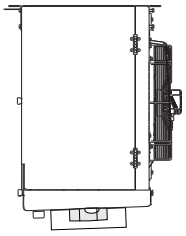
Drain open
Desagüe

Recommendations for the drain construction / drain resistance
Recomendaciones de construcción / resistencia al drenaje

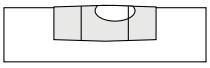
- **The drainage line siphons should be placed on the chamber's external side at positive temperatures**
- **Drainage piping stretches, installed inside the chamber at a temperature lower than 0°C must be wrapped by heaters (drain resistances) and thermally insulated;**
- **The drainage piping heater (drain resistance) must be permanently connected and constantly switched on. A consumption of 65W per linear meter of piping for -18°C of temperature in the chamber and 100W per linear meter for chambers with internal temperatures of -30°C is satisfactory.**

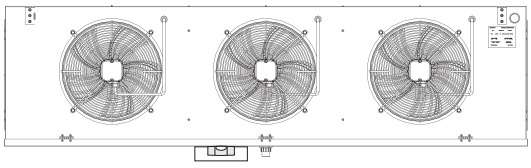
- Las sifones de la línea de desagüe deben colocarse fuera de la cámara a temperaturas positivas.
- Los tramos de tubería de drenaje, instaladas dentro de la cámara a una temperatura inferior a O°C, deben estar rodeadas de calentadores (resistencias de drenaje) y aisladas térmicamente;
- El calentador de la tubería de drenaje (calefacción de drenaje) debe conectarse de tal manera que permanezca encendido constantemente. Un consumo de 65W por metro lineal de tubería para -18°C de temperatura en la cámara y 100W por metro lineal para cámaras con una temperatura interna de -30°C son satisfactorios.

Evaporators leveling instructions at installation
Instrucciones de nivelación para evaporadores en la instalación

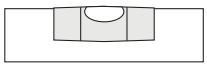


Level with the bubble slightly to the side, indicating the tray is slightly tilted.
Nivel con la burbuja ligeramente en el lateral, lo que indica una ligera inclinación de la charola





Level with centralized bubble
Nivel con burbuja centralizada



FBA
Low profile evaporator
Evaporador de bajo perfil

Evaporator with a set of electronic fans that offer more efficiency, low power consumption, and air diffuser grid that allows to increase and direct the air flow inside the chamber.

Characteristics: External electric box with IP65 protection with self-extinguishing material and spring-cage terminal, articulate tray, removable sides for maintenance, mounting bracket coupled to the cabinet, pressurized coil, improved distribution of electrical resistances in the core and tray, improving the defrosting efficiency.

Capacity Capacidad	1.394 → 10.705 kcal/h
Temp. Evaporation Temp. Evaporación	-40°C → 10°C
Air flow Flujo de aire	982 → 5.902m³/h
Flecha de ar Tiro de Aire	13m (0.25 m/s)
Fans	1 → 6 Ø254mm
Type of fan	Electronic 1 and 2 Speeds Electronico 1 y 2 velocidades
Space between fins Espacio entre aletas	4 al/pol = 6.4mm 6 al/pol = 4,2mm
Defrosting Deshielo	Natural / Electric Natural / Eléctrico
Cold chamber Cámara fría	Up to 4 meters of height Hasta 4 metros de altura
Aluminum cabinet painted with white Epoxy Gabinete de aluminio pintado con Epoxi blanco	
Core with copper pipe 3/8" and aluminum fin with protection against corrosion Bateria con tubo de cobre 3/8" y aleta de aluminio con protección contra la corrosión	

Access the website

Version / Versión: 02/2024

Nomenclatura

FBA	4	050	I	4	P	0	0	0
Produto Producto	**Aletas por polegada** Aletas por pulgada	**Modelo** Modelo	**Versão** Versión	**Tipo do motor** Tipo de motor	**Acabamento** Acabado final	**Degelo e tensão** Deshielo y voltaje	**Válvula** Válvula	**Orifício** Orificio
FBA: Evaporador baixo perfil	**4: 4 al/pol** **6: 6 al/pol**	**050**	**I: Versão/ Versión**	**4: Eletrônico 1 velocidade/ Electrónico 1 velocidad** **6: Eletrônico 2 velocidades/ Electrónico 2 velocidades**	**P: Aleta protegida gabinete pintado**	**0: Degelo a ar/ Deshielo por aire 220V-1F 50-60Hz** **2: Degelo elétrico/ Deshielo eléctrico 220V-1F 50-60Hz**	**0: Sem válvula/ Sin válvula** **1: R-134a Válvula expansão/ Válvula de expansión** **4: R-404A**	**A: Orifício 00 com válvula/ Orificio 00 con válvula** **0: Sem válvula e sem orifício/ Sin válvula y sin orificio** **1: Orifício 01** **2: Orifício 02** **3: Orifício 03** **4: Orifício 04** **5: Orifício 05** **6: Orifício 06**

Notas

- Recomendamos Degelo Elétrico para temperaturas de câmara inferior a 2°C
- Maxima pressão de trabalho 520 psig
- Capacidades baseadas em R-22
- Seleção de Produto para tabela de capacidade:

Capacidade de Catálogo = Carga termica X Fator de Correção do Refrigerante(F1) X Fator de frequência(F2).

- Recomendamos instalar na Linha de Liquido um Filtro adicional próximo a Válvula de Expansão Eletrônica
- Os transdutores devem ser desconectados durante o teste de estanqueidade do Sistema de Refrigeração, com pressões de teste que ultrapassem 9 Bar.

Notas

- Recomendamos el descongelamiento eléctrico para temperaturas de cámara inferiores a 2°C
- Presión máxima de trabajo 520 psig
- Capacidades basadas en R-22
- Selección de productos para la tabla de capacidad:

Capacidad del catálogo = Carga térmica X Factor de corrección Factor de corrección del refrigerante (F1) X Factor de frecuencia(F2).

- Recomendamos instalar un filtro adicional en la línea de líquido junto a la válvula de expansión electrónica
- Los transductores deben desconectarse durante la prueba de estanqueidad del Sistema de Refrigeración, con presiones de prueba superiores a 9 Bar.

Fator de Correção do Refrigerante - F1
Factor de corrección Refrigerante - F1

Fluido	Fator / Factor
R-134a / R-452A	0,91
R-407C	1,26
R-448A / R-449A	0,79
R-404A / R-507	0,95

Fator de frequência - F2
Factor de frecuencia - F2

Frequência /Frecuencia	Fator / Factor
60 Hz	1
50 Hz	1,2

Dados de capacidade / Datos de capacidad

Modelo	**Capacidade Frigorífica** / Capacidad Frigorífica [Kcal/h] **Temperatura de Evaporação** / Temperatura de Evaporación [°C]											Ventiladores			
												QTD CTD	**Vazão Caudal** Flujo de aire	**Diâmetro** Diámetro	**Fecha de ar** Tiro de aire
	10°C	5°C	0°C	-5°C	-10°C	-15°C	-20°C	-25°C	-30°C	-35°C	-40°C		m³/h	mm	m
DTI=6K	**FBA - Degelo a ar ou elétrico - 4 Aletas por polegada - Espaçamento 6,4mm**														
	FBA - Deshielo por aire o eléctrico - 4 Aletas por pulgada - Espaciamiento 6,4mm														
FBA4050	1.539	1.529	1.508	1.472	1.466	1.462	1.456	1.435	1.425	1.414	1.394	1	982	254	13
FBA4070	2.046	2.027	2.016	1.998	1.973	1.963	1.955	1.944	1.923	1.882	1.829	2	2.304	254	13
FBA4080	2.392	2.371	2.330	2.284	2.271	2.267	2.257	2.236	2.215	2.174	2.132	2	2.118	254	13
FBA4090	2.725	2.673	2.631	2.590	2.558	2.550	2.547	2.517	2.496	2.454	2.423	2	1.946	254	13
FBA4110	3.401	3.349	3.276	3.224	3.193	3.203	3.150	3.141	3.110	3.068	3.047	3	3.048	254	13
FBA4140	4.493	4.420	4.316	4.233	4.202	4.191	4.160	4.118	4.087	4.006	4.014	3	2.928	254	13
FBA4160	5.158	5.075	4.982	4.878	4.867	4.836	4.867	4.794	4.753	4.670	4.597	4	4.071	254	13
FBA4180	5.824	5.741	5.637	5.512	5.481	5.470	5.429	5.387	5.346	5.273	5.200	4	3.911	254	13
FBA4210	6.666	6.552	6.417	6.302	6.261	6.240	6.198	6.146	6.094	6.022	5.938	5	5.092	254	13
FBA4240	7.540	7.426	7.270	7.051	6.843	6.822	6.770	6.729	6.656	6.583	6.500	5	4.893	254	13
FBA4320	8.441	8.291	8.109	7.979	7.905	7.894	7.850	7.786	7.614	7.565	7.518	6	6.111	254	13
FBA4370	9.558	9.407	9.193	8.872	8.479	8.447	8.383	8.340	8.233	8.157	8.060	6	5.875	254	13
DTI=6K	**FBA - Degelo a ar ou elétrico - 6 Aletas por polegada - Espaçamento 4,2mm**														
	FBA - Deshielo por aire o eléctrico - 6 Aletas por polegada - Espaçamento 4,2mm														
FBA6060	1.724	1.712	1.689	1.648	1.642	1.638	1.631	1.607	1.596	1.584	1.561	1	949	254	13
FBA6090	2.679	2.656	2.609	2.558	2.544	2.539	2.528	2.504	2.481	2.434	2.388	2	2.045	254	13
FBA6100	3.052	2.994	2.947	2.900	2.865	2.856	2.853	2.819	2.796	2.749	2.714	2	1.892	254	13
FBA6130	3.809	3.751	3.669	3.611	3.576	3.555	3.528	3.518	3.483	3.436	3.413	3	3.239	254	13
FBA6170	5.032	4.950	4.834	4.741	4.706	4.694	4.659	4.613	4.578	4.496	3.366	3	2.828	254	13
FBA6190	5.777	5.684	5.579	5.463	5.451	5.416	5.395	5.370	5.323	5.230	5.148	4	3.932	254	13
FBA6220	6.523	6.430	6.313	6.173	6.138	6.127	6.080	6.034	5.987	5.906	5.824	4	3.777	254	13
FBA6250	7.466	7.338	7.187	7.059	7.012	6.989	6.942	6.884	6.826	6.744	6.651	5	4.918	254	13
FBA6280	8.445	8.317	8.142	7.897	7.664	7.641	7.583	7.536	7.455	7.373	7.280	5	4.726	254	13
FBA6370	9.454	9.286	9.082	8.937	8.853	8.841	8.792	8.720	8.528	8.473	8.420	6	5.902	254	13
FBA6430	10.705	10.536	10.296	9.937	9.497	9.461	9.389	9.340	9.221	9.136	9.027	6	5.675	254	13

- Capacidade em 60Hz, para 50Hz multiplicar por 0,83

- Capacidad a 60Hz,para 50Hz multiplicar por 0.83

Dados elétricos / Datos eléctricos

Modelo	Motoventilador					Resistência / Resistencia			
	QTD CTD	Motores 4 Eletrônico 1 Velocidade Electrónico 1 velocidad		Motores 6 Eletrônico 2 Velocidades Electrónico 2 velocidades		Potência Potencia	Corrente total Corriente total	Quantidade Cantidad	
		Potência Potencia	Corrente total Corriente total 220V 1F	Potência Potencia	Corrente total Corriente total 220V 1F		220V 1F	Bandeja Charola	Serpentina
		W	A	A	A	W	A		
FBA - Degelo a ar ou elétrico - 4 Aletas por polegada - Espaçamento 6,4mm									
FBA - Deshielo por aire o eléctrico - 4 Aletas por pulgada - Espaciamiento 6,4mm									
FBA4050	1	8	0,16	20	0,29	810	3,68	1	2
FBA4070	2	16	0,32	40	0,58	1440	6,55	1	2
FBA4080	2	16	0,32	40	0,58	1440	6,55	1	2
FBA4090	2	16	0,32	40	0,58	1440	6,55	1	2
FBA4110	3	24	0,48	60	0,87	2160	9,82	1	2
FBA4140	3	24	0,48	60	0,87	2160	9,82	1	2
FBA4160	4	32	0,64	80	1,16	2790	12,68	1	2
FBA4180	4	32	0,64	80	1,16	2790	12,68	1	2
FBA4210	5	40	0,8	100	1,45	3480	15,82	1	2
FBA4240	5	40	0,8	100	1,45	3480	15,82	1	2
FBA4320	6	48	0,96	120	1,74	4080	18,55	1	2
FBA4370	6	48	0,96	120	1,74	4080	18,55	1	2
FBA - Degelo a ar ou elétrico - 6 Aletas por polegada - Espaçamento 4,2mm									
FBA - Deshielo por aire o eléctrico - 6 Aletas por polegada - Espaçamento 4,2mm									
FBA6060	1	8	0,16	20	0,29	810	3,68	1	2
FBA6090	2	16	0,32	40	0,58	1440	6,55	1	2
FBA6100	2	16	0,32	40	0,58	1440	6,55	1	2
FBA6130	3	24	0,48	60	0,87	2160	9,82	1	2
FBA6170	3	24	0,48	60	0,87	2160	9,82	1	2
FBA6190	4	32	0,64	80	1,16	2790	12,68	1	2
FBA6220	4	32	0,64	80	1,16	2790	12,68	1	2
FBA6250	5	40	0,8	100	1,45	3480	15,82	1	2
FBA6280	5	40	0,8	100	1,45	3480	15,82	1	2
FBA6370	6	48	0,96	120	1,74	4080	18,55	1	2
FBA6430	6	48	0,96	120	1,74	4080	18,55	1	2

Resistências disponíveis apenas para os modelos com degelo elétrico./ Resistencias solo disponibles para modelos con deshielo eléctrico.

Dados físicos / Datos físicos

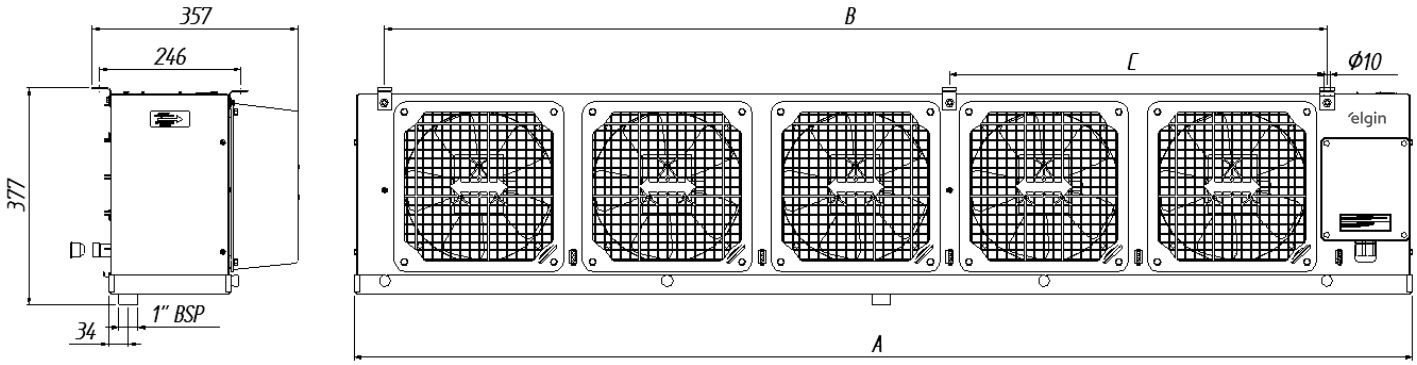
Modelo	Conexões / Conexões				Carga de fluido Carga de fluido
	Entrada Líquido Entrada Líquido	Saída Sucção Salida Succión	Equalizador Externo Ecualizador externo	Dreno (BSP) Dren (BSP)	
	"	"	"	"	Kg
FBA - Degelo a ar ou elétrico - 4 Aletas por polegada - Espaçamento 6,4mm					
FBA - Deshielo por aire o eléctrico - 4 Aletas por pulgada - Espaciamiento 6,4mm					
FBA4050	1/2	7/8	1/4	1"	0,9
FBA4070	1/2	7/8	1/4	1"	0,9
FBA4080	1/2	7/8	1/4	1"	1,3
FBA4090	1/2	7/8	1/4	1"	1,8
FBA4110	1/2	7/8	1/4	1"	2,0
FBA4140	1/2	7/8	1/4	1"	2,7
FBA4160	1/2	7/8	1/4	1"	2,5
FBA4180	1/2	7/8	1/4	1"	3,6
FBA4210	1/2	7/8	1/4	1"	3,4
FBA4240	1/2	7/8	1/4	1"	4,5
FBA4320	1/2	7/8	1/4	1"	4,1
FBA4370	1/2	7/8	1/4	1"	5,5

Dados físicos / Datos físicos

Modelo	**Conexões** / Conexões				**Carga de fluido** Carga de fluido
	Entrada Líquido Entrada Líquido	**Saída Sucção** Salida Succión	**Equalizador Externo** Ecualizador externo	**Dreno BSP** Dren BSP	
	"	"	"	"	Kg
FBA - Degelo a ar ou elétrico - 6 Aletas por polegada - Espaçamento 4,2mm					
FBA - Deshielo por aire o eléctrico - 6 Aletas por polegada - Espaçamento 4,2mm					
FBA6060	**1/2**	**7/8**	**1/4**	**1"**	**0,9**
FBA6090	**1/2**	**7/8**	**1/4**	**1"**	**1,3**
FBA6100	**1/2**	**7/8**	**1/4**	**1"**	**1,8**
FBA6130	**1/2**	**7/8**	**1/4**	**1"**	**2,0**
FBA6170	**1/2**	**7/8**	**1/4**	**1"**	**2,7**
FBA6190	**1/2**	**7/8**	**1/4**	**1"**	**2,5**
FBA6220	**1/2**	**7/8**	**1/4**	**1"**	**3,6**
FBA6250	**1/2**	**7/8**	**1/4**	**1"**	**3,4**
FBA6280	**1/2**	**7/8**	**1/4**	**1"**	**4,5**
FBA6370	**1/2**	**7/8**	**1/4**	**1"**	**4,1**
FBA6430	**1/2**	**7/8**	**1/4**	**1"**	**5,5**

Dados dimensionais e peso / Datos dimensionales y peso

Modelo	Ventilador	**Dimensão** / Dimension						**Peso**	
		Sem Embalagem Sin embalaje			**Com Embalagem** Con embalaje				
		A	**B**	**C**	**Comp.** Largo	**Largura** Ancho	**Altura** Altura	**Líquido** Neto	**Bruto** Bruto
		mm	mm	mm	mm	mm	mm	kg	kg
FBA - Degelo a ar ou elétrico - 4 Aletas por polegada - Espaçamento 6,4mm									
FBA - Deshielo por aire o eléctrico - 4 Aletas por pulgada - Espaciamiento 6,4mm									
FBA4050	**1**	**555**	**354**	**-**	**666**	**386**	**413**	**12**	**14**
FBA4070	**2**	**858**	**656**	**-**	**969**	**386**	**413**	**13**	**16**
FBA4080	**2**	**858**	**656**	**-**	**969**	**386**	**413**	**14**	**17**
FBA4090	**2**	**858**	**656**	**-**	**969**	**386**	**413**	**15**	**18**
FBA4110	**3**	**1.186**	**983**	**-**	**1.297**	**386**	**413**	**19**	**22**
FBA4140	**3**	**1.186**	**983**	**-**	**1.297**	**386**	**413**	**22**	**25**
FBA4160	**4**	**1.513**	**1.310**	**-**	**1.624**	**386**	**413**	**26**	**30**
FBA4180	**4**	**1.513**	**1.310**	**-**	**1.624**	**386**	**413**	**27**	**31**
FBA4210	**5**	**1.839**	**1.637**	**656**	**1.950**	**386**	**413**	**30**	**35**
FBA4240	**5**	**1.839**	**1.637**	**656**	**1.950**	**386**	**413**	**32**	**36**
FBA4320	**6**	**2.167**	**1.964**	**983**	**2.278**	**386**	**413**	**32**	**37**
FBA4370	**6**	**2.167**	**1.964**	**983**	**2.278**	**386**	**413**	**34**	**40**
FBA - Degelo a ar ou elétrico - 6 Aletas por polegada - Espaçamento 4,2mm									
FBA - Deshielo por aire o eléctrico - 6 Aletas por polegada - Espaçamento 4,2mm									
FBA6060	**1**	**555**	**354**	**-**	**666**	**386**	**413**	**12**	**14**
FBA6090	**2**	**858**	**656**	**-**	**969**	**386**	**413**	**16**	**19**
FBA6100	**2**	**858**	**656**	**-**	**969**	**386**	**413**	**17**	**20**
FBA6130	**3**	**1.186**	**983**	**-**	**1.297**	**386**	**413**	**21**	**24**
FBA6170	**3**	**1.186**	**983**	**-**	**1.297**	**386**	**413**	**24**	**27**
FBA6190	**4**	**1.513**	**1.310**	**-**	**1.624**	**386**	**413**	**28**	**33**
FBA6220	**4**	**1.513**	**1.310**	**-**	**1.624**	**386**	**413**	**30**	**34**
FBA6250	**5**	**1.839**	**1.637**	**656**	**1.950**	**386**	**413**	**34**	**39**
FBA6280	**5**	**1.839**	**1.637**	**656**	**1.950**	**386**	**413**	**35**	**40**
FBA6370	**6**	**2.167**	**1.964**	**983**	**2.278**	**386**	**413**	**38**	**43**
FBA6430	**6**	**2.167**	**1.964**	**983**	**2.278**	**386**	**413**	**39**	**44**

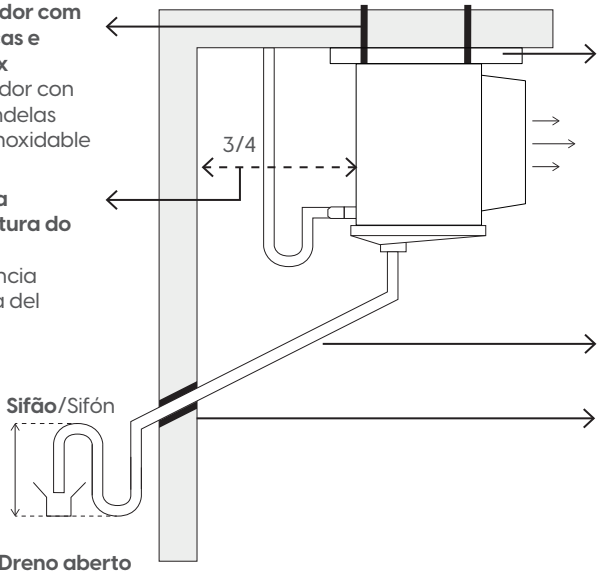


Instrução para fixação / Instrucción de fijación

Fixação do evaporador com barra roscada, porcas e arruelas em aço inox
Fijación del evaporador con barra tuercas y arandelas roscadas de acero inoxidable

Considerar distância mínima de 3/4 de altura do evaporador
Considere una distancia mínima de 3/4 altura del evaporador

Altura mínima do dreno 30cm
Altura mínima de drenaje 30 cm



Dreno aberto
Desagüe

Montagem do suporte: Altura menor do lado do ventilador
Montaje del soporte: Altura más pequeña en la dirección del ventilador

O Angulo de inclinação mínimo indicado para o escoamento da água é de 45°
El ángulo mínimo de inclinación indicado para el flujo de agua es de 45°

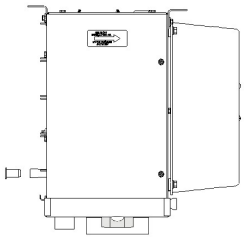
Vedar corretamente a abertura entre o dreno e o painel
Selle adecuadamente el espacio entre el desagüe y el panel

Recomendações de construção de dreno / resistência de dreno
Recomendaciones de construcción / resistencia al drenaje

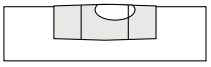
- **Sifões da linha de dreno devem ser colocados do lado externo da câmara em temperaturas positivas**
- **Trechos de tubulação de dreno, instalados dentro da câmara em temperatura inferior à 0°C devem ser envolvidos por aquecedores (resistências de dreno) e isolados termicamente;**
- **O aquecedor da tubulação de dreno (resistência de dreno) deve ser conectado de maneira a permanecer constantemente ligado. Um consumo de 65W por metro linear de tubulação para -18°C de temperatura na câmara e 100W por metro linear para câmaras com temperatura interna de -30°C são satisfatórios.**

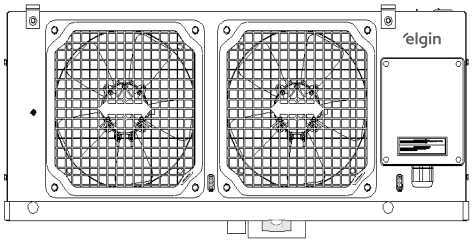
- Las sifones de la línea de desagüe deben colocarse fuera de la cámara a temperaturas positivas.
- Los tramos de tubería de drenaje, instaladas dentro de la cámara a una temperatura inferior a 0°C, deben estar rodeadas de calentadores (resistencias de drenaje) y aisladas térmicamente;
- El calentador de la tubería de drenaje (calefacción de drenaje) debe conectarse de tal manera que permanezca encendido constantemente. Un consumo de 65W por metro lineal de tubería para -18°C de temperatura en la cámara y 100W por metro lineal para cámaras con una temperatura interna de -30°C son satisfactorios.

Instrução de nivelamento dos evaporadores na instalação
Instrucciones de nivelación para evaporadores en la instalación

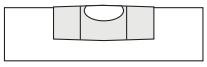


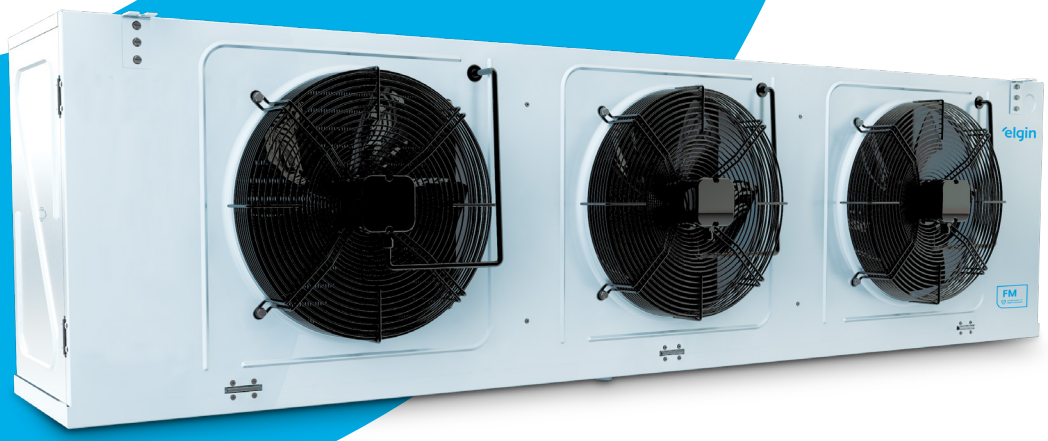
Nível com a bolha levemente na lateral, indicando uma leve inclinação da bandeja.
Nivel con la burbuja ligeramente en el lateral, lo que indica una ligera inclinación de la charola





Nível com bolha centralizada
Nivel con burbuja centralizada





FM
Medium profile Flexcold evaporator
Evaporador Flexcold de medio perfil

Intended for cold and frozen storage in sectors such as: Supermarkets, restaurants, fruit and vegetables, proteins, dairy, pharmaceutical, hospitals, industries, beverages and food processing.

Characteristics: Bandeja articulável, laterais removíveis, suporte de fixação, tubo com plug de borracha pressurizado 30 psi, grade metálica.

Capacity Capacidad	3,184 → 38,509kcal/h
Temp. Evaporation Temp. Evaporación	-40°C → 10°C
Air flow Flujo de aire	4,107 → 17,930 m³/h
Air flow Tiro de Aire	20m (0.25 m/s)
Fans	1 → 5 Ø400mm
Type of fan	Conventional Axial
Space between fins Espacio entre aletas	4 al/pol = 6.35mm 6 al/pol = 4,2mm
Defrosting Deshielo	Natural / Electric Natural / Eléctrico
Cold chamber Cámara fría	Up to 8 meters of height Hasta 8 metros de altura
Aluminum cabinet without painting Gabinete de aluminio sin pintura	
Core with copper pipe 3/8" and aluminum fin without protection against corrosion Bateria con tubo de cobre 3/8" y aleta de aluminio sin protección contra la corrosión	

Access the website

Version / Versión: 09/2023

Nomenclature

FMA	108	E	4	2	A
Product Producto	**Model** Modelo	**Voltage** Voltaje	**Fins per inch** Aletas por pulgada	**Fans** Ventiladores	**Version** Versión
FMA: **Air defrosting/** **Deshielo por aire** **FME:** **Electric defrosting/** **Deshielo eléctrico**	**108**	**B:** **220V-1F** **50-60Hz** **C:** **220V-3F** **50-60Hz** **(1) D:** **440V-3F** **50-60Hz** **E:** **380V-3F** **50-60Hz**	**4:** **4 fin/in.** **6:** **6 fin/in.**	**1** **2** **3** **4** **5**	**A:** **Version/** **Versión**

Notes

• We recommend Electrical Defrosting for chamber temperatures lower than 2°C
• Maximum working pressure 520 psig
• Capacities based on R-22
• Selection of product for the capacity table:
• Catalog Capacity = Thermal load X Coolant correction factor (F1) X Frequency factor (F2).
(1) For the 440V/3F/50-60Hz model, first check the availability with our team.

Notes

• Recomendamos el descongelamiento eléctrico para temperaturas de cámara inferiores a 2°C
• Presión máxima de trabajo 520 psig
• Capacidades basadas en R-22
• Selección de productos para la tabla de capacidad:
Capacidad del catálogo = Carga térmica X Factor de corrección Factor de corrección del refrigerante (F1) X Factor de frecuencia(F2).
(1) Para el modelo 440V/3F/50-60Hz, verifique la disponibilidad previamente con nuestro equipo.

Coolant correction factor - F1 Factor de corrección Refrigerante - F1	
Fluid	**Factor / Factor**
R-134a / R-452A	**0.91**
R-407C	**1.26**
R-448A / R-449A	**0.79**
R-404A / R-507	**0.95**

Frequency factor - F2 Factor de frecuencia - F2	
Frequency /Frecuencia	**Factor / Factor**
60Hz	**1**
50Hz	**1.2**

Capacity data / Datos de capacidad

Model	**Cold storage capacity** / Capacidad Frigorífica [Kcal/h] **Evaporation temperature** / Temperatura de Evaporación [°C]											Fans			
												QTY. CTD	**Flow Caudal** Flujo de aire	**Diameter** Diámetro	**Fecha de ar** Tiro de aire
	10°C	5°C	0°C	-5°C	-10°C	-15°C	-20°C	-25°C	-30°C	-35°C	-40°C		m^3/h	mm	m
DTI=6K	**FMA / FME - Air or electrical defrosting - 4 Fins per inch - 6.4 mm spacing**														
	FMA / FME - Deshielo por aire o eléctrico - 4 aletas por pulgada - Espaciamiento 6,4mm														
FM*108*4	6,485	5,791	5,252	4,997	4,685	4,374	4,063	3,752	3,441	3,304	3,116	1	4,107	400	20
FM*178*4	10,684	9,539	8,664	8,272	7,790	7,309	6,827	6,345	5,864	5,730	5,516	2	8,546	400	20
FM*238*4	13,149	11,745	10,673	10,196	9,612	9,027	8,443	7,858	7,274	7,130	6,890	2	8,215	400	20
FM*270*4	16,190	14,446	13,111	12,503	11,770	11,036	10,303	9,570	8,836	8,624	8,044	3	12,819	400	20
FM*356*4	19,871	17,743	16,116	15,389	14,511	13,633	12,755	11,877	10,999	10,802	10,465	3	12,322	400	20
FM*400*4	22,709	20,213	18,283	17,308	16,187	15,066	13,945	12,824	11,703	11,138	10,900	4	16,039	400	20
FM*475*4	27,541	24,538	22,225	21,073	19,763	18,453	17,143	15,833	14,523	13,985	13,197	4	15,025	400	20
FM*572*4	32,593	29,011	26,232	24,784	23,147	21,511	19,873	18,236	16,599	15,759	14,638	5	17,930	400	20
DT=6K	**FMA / FME - Air or electrical defrosting - 4 Fins per inch - 6.4 mm spacing**														
	FMA / FME - Deshielo por aire o eléctrico - 4 aletas por pulgada - Espaciamiento 6,4mm														
FM*108*4	4,034	3,833	3,632	3,179	3,070	2,951	2,843	2,757	2,681	2,454	2,184	1	4,107	400	20
FM*178*4	5,937	5,764	5,479	5,243	5,060	4,876	4,692	4,552	4,422	4,043	3,600	2	8,546	400	20
FM*238*4	7,909	7,513	7,116	6,995	6,746	6,508	6,260	6,076	5,892	5,395	4,800	2	8,215	400	20
FM*270*4	9,307	8,841	8,375	7,946	7,665	7,395	7,114	6,898	6,703	6,130	5,449	3	12,819	400	20
FM*356*4	11,776	11,192	10,608	10,487	10,119	9,752	9,395	9,114	8,844	8,087	7,189	3	12,322	400	20
FM*400*4	13,966	13,267	12,568	11,752	11,352	10,941	10,530	10,217	9,914	9,071	8,065	4	16,039	400	20
FM*475*4	15,829	15,035	14,241	13,979	13,492	13,006	12,519	12,152	11,784	10,790	9,589	4	15,025	400	20
FM*572*4	19,377	18,408	17,438	16,844	16,249	15,666	15,082	14,628	14,195	12,995	11,546	5	17,930	400	20

- Capacity at 60Hz, if 50Hz multiply it by 0.83

- Capacity at 60Hz, if 50Hz multiply it by 0.83

Capacity data / Datos de capacidad

Model	Cold storage capacity / Capacidad Frigorífica [Kcal/h] Evaporation temperature / Temperatura de Evaporación [°C]											Fans			
												QTY. CTD	Flow Caudal Flujo de aire	Diameter Diámetro	Fecha de ar Tiro de aire
	10°C	5°C	0°C	-5°C	-10°C	-15°C	-20°C	-25°C	-30°C	-35°C	-40°C		m³/h	mm	m
DTI=6K	**FMA / FME - Air or electrical defrosting - 6 Fins per inch - 4.2 mm spacing**														
	FMA / FME - Deshielo por aire o eléctrico - 6 Aletas por pulgada - Espaçamento 4,2mm														
FM*109*6	6,849	6,137	5,594	5,358	5,033	4,708	4,383	4,058	3,733	3,593	3,402	1	4,109	400	20
FM*151*6	8,144	7,278	6,609	6,274	5,850	5,427	5,003	4,580	4,156	3,907	3,581	1	3,902	400	20
FM*205*6	14,109	12,618	11,476	10,943	10,260	9,577	8,893	8,210	7,527	7,212	6,783	2	8,217	400	20
FM*280*6	16,675	14,937	13,611	13,022	12,257	11,492	10,726	9,961	9,196	8,953	8,552	2	7,804	400	20
FM*335*6	20,738	18,536	16,831	16,041	15,032	14,023	13,013	12,004	10,995	10,510	9,852	3	12,326	400	20
FM*421*6	24,557	21,991	19,998	19,078	17,933	16,788	15,642	14,497	13,352	12,898	12,068	3	11,707	400	20
FM*464*6	29,185	26,015	23,524	22,192	20,614	19,036	17,458	15,880	14,302	13,286	12,264	4	15,013	400	20
FM*562*6	32,722	29,192	26,471	25,023	23,351	21,680	20,008	18,338	16,666	15,696	14,499	4	13,940	400	20
FM*670*6	38,509	34,313	31,032	29,182	27,095	25,008	22,921	20,834	18,747	17,429	15,720	5	16,392	400	20
DT=6K	**FMA / FME - Air or electrical defrosting - 6 Fins per inch - 4.2 mm spacing**														
	FMA / FME - Deshielo por aire o eléctrico - 6 Aletas por pulgada - Espaçamento 4,2mm														
FM*109*6	4,115	3,910	3,704	3,211	3,092	2,984	2,875	2,789	2,703	2,475	2,205	1	4,109	400	20
FM*151*6	5,032	4,885	4,644	4,443	4,292	4,140	3,978	3,870	3,751	3,438	3,048	1	3,902	400	20
FM*205*6	7,754	7,366	6,977	6,032	5,827	5,610	5,405	5,243	5,092	4,659	4,140	2	8,217	400	20
FM*280*6	9,493	9,018	8,543	8,259	7,978	7,686	7,394	7,178	6,962	6,378	5,664	2	7,804	400	20
FM*335*6	11,545	10,973	10,400	9,848	9,502	9,167	8,821	8,562	8,302	7,599	6,756	3	12,326	400	20
FM*421*6	14,245	13,532	12,820	12,388	11,956	11,523	11,091	10,767	10,453	9,567	8,497	3	11,707	400	20
FM*464*6	16,146	15,336	14,526	13,664	13,188	12,713	12,237	11,869	11,523	10,540	9,372	4	15,013	400	20
FM*562*6	18,997	18,047	17,096	16,518	15,945	15,372	14,799	14,356	13,934	12,745	11,329	4	13,940	400	20
FM*670*6	22,475	21,352	20,228	19,696	19,015	18,323	17,642	17,112	16,604	15,199	13,513	5	16,392	400	20

Electrical data / Datos eléctricos

Model	Motorized fan									Resistance / Resistencia						
	QTY. CTD	Power Potencia				Total current Corriente total				Power Potencia	Total current Corriente total				Quantity Cantidad	
		220V 1F	220V 3F	380V 3F	440V 3F	220V 1F	220V 3F	380V 3F	440V 3F		220V 1F	220V 3F	380V 3F	440V 3F		
		W	W	W	W	A	A	A	A	W	A	A	A	A	Tray Charola	Coil
FMA / FME - Air or electrical defrosting - 4 and 6 fins per inch - 6.4 mm and 4.2 mm spacing																
FMA / FME - Deshielo por aire o eléctrico - 4 y 6 aletas por pulgada - Espaciamiento 6,4mm y 4,2mm																
FM*108 FM*109 FM*151	1	271	340	340	370	1.23	1.10	0.65	0.56	2,750	12.5	8.7	5.0	4.3	1	4
FM*178 FM*205 FM*238 FM*280	2	542	680	680	740	2.46	2.20	1.30	1.12	5,350	24.3	16.8	9.7	8.4	1	4
FM*270 FM*335 FM*356 FM*421	3	813	1,020	1,020	1,110	3.69	3.30	1.95	1.68	7,750	35.2	24.4	14.1	12.2	1	4
FM*400 FM*464 FM*475 FM*562	4	1,084	1,360	1,360	1,480	4.92	4.40	2.60	2.24	10,200	46.4	32.1	18.5	16.1	1	4
FM*572 FM*670	5	1,355	1,700	1,700	1,850	6.15	5.50	3.25	2.80	11,600	52.7	36.5	21.1	18.3	1	4

- Resistances available only for models with electrical defrosting.
- Switch on the three-phase motor thermal protector.
- The maximum current informed represents the highest current present in one of the phases for the three-phase power supply the resistances. The average current can be calculated with the formula Power (W) / Voltage (V) / Root (3).

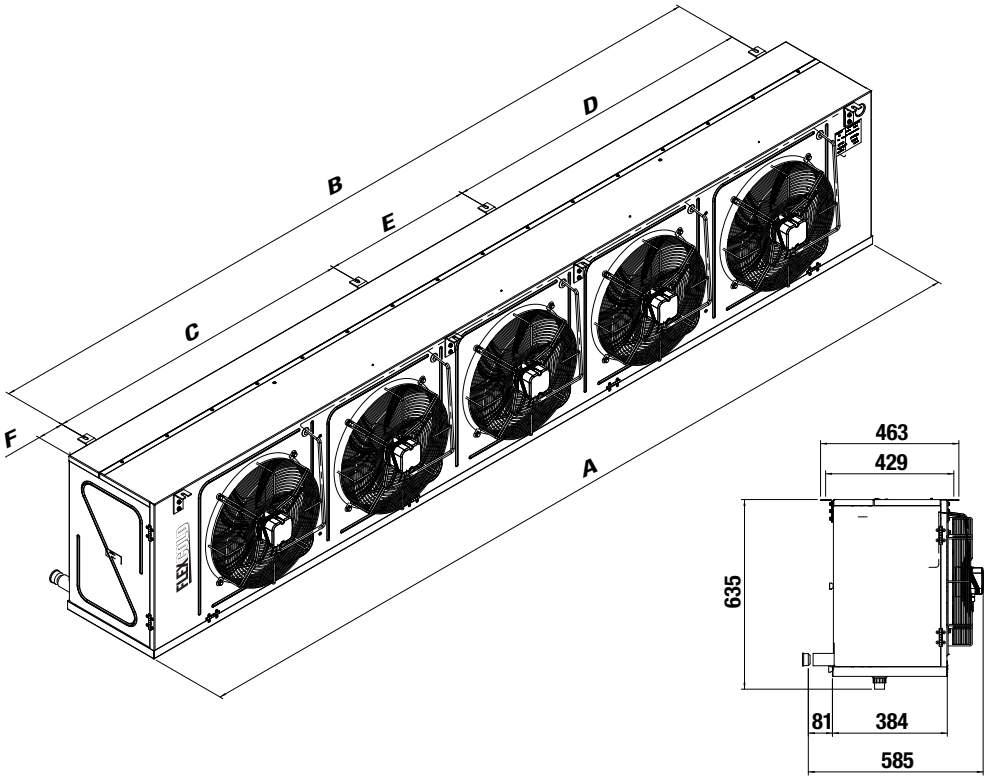
- Resistencias solo disponibles para modelos con deshielo eléctrico.
- Encienda el protector térmico del motor trifásico.
- La corriente máxima informada representa la corriente más alta presente en una de las fases para el suministro trifásico de resistencias. La corriente promedio se puede calcular usando la fórmula Potencia (W) / Voltaje (V) / Raíz (3).

Physical data / Datos físicos

Model	Connections / Conexões				Flow load de fluido Carga de fluido
	Liquid inlet Líquido Entrada Liquid output	Saída Suction Salida Succión	External equalizer Externo Ecualizador externo	Drain Dren BSP	
	"	"	"	"	Kg
FMA / FME - Air or electrical defrosting - 4 Fins per inch - 6.4 mm spacing					
FMA / FME - Deshielo por aire o eléctrico - 4 aletas por pulgada - Espaciamiento 6,4mm					
FM*108*4	1/2	7/8	1/4	1	1.2
FM*178*4	7/8	1 1/8	1/4	1	1.8
FM*238*4	1 1/8	1 3/8	1/4	1	2.4
FM*270*4	1 1/8	1 3/8	1/4	1	2.6
FM*356*4	1 1/8	1 3/8	1/4	1	3.5
FM*400*4	1 1/8	1 5/8	1/4	1	6.3
FM*475*4	1 1/8	1 5/8	1/4	1	8.5
FM*572*4	1 1/8	1 5/8	1/4	1	9.6
FMA / FME - Air or electrical defrosting - 6 Fins per inch - 4.2 mm spacing					
FMA / FME - Deshielo por aire o eléctrico - 6 Aletas por pulgada - Espaçamento 4,2mm					
FM*109*6	1/2	7/8	1/4	1	0.9
FM*151*6	1/2	7/8	1/4	1	1.2
FM*205*6	7/8	1 1/8	1/4	1	1.8
FM*280*6	1 1/8	1 3/8	1/4	1	2.4
FM*335*6	1 1/8	1 3/8	1/4	1	2.6
FM*421*6	1 1/8	1 3/8	1/4	1	3.5
FM*464*6	1 1/8	1 5/8	1/4	1	6.3
FM*562*6	1 1/8	1 5/8	1/4	1	8.5
FM*670*6	1 1/8	1 5/8	1/4	1	9.6

Dimensional data and weight / Datos dimensionales y peso

Model	Fan	Dimension / Dimension									Weight	
		Without packaging Sin embalaje						With packaging Con embalaje				
		A	B	C	D	E	F	Comp. Largo	Width Ancho	Height Altura	Liquid Neto	Gross Bruto
		mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	kg
FMA / FME - Air or electrical defrosting - 4 Fins per inch - 6.4 mm spacing												
FMA / FME - Deshielo por aire o eléctrico - 4 aletas por pulgada - Espaciamiento 6,4mm												
FM*108*4	1	908	693	-	-	-	100	1,040	721	840	25	46
FM*178*4	2	1,558	1,343	-	-	-	100	1,680	721	840	40	69
FM*238*4	2	1,558	1,343	-	-	-	100	1,680	721	840	44	73
FM*270*4	3	2,208	1,992	-	-	-	100	2,310	721	840	56	92
FM*356*4	3	2,208	1,992	-	-	-	100	2,310	721	840	63	98
FM*400*4	4	2,857	-	1,342	1,300	-	100	2,970	721	840	83	124
FM*475*4	4	2,857	-	1,342	1,300	-	100	2,970	721	840	94	136
FM*572*4	5	3,191	-	1,205	1,200	570	100	3,330	721	840	109	167
FMA / FME - Air or electrical defrosting - 6 Fins per inch - 4.2 mm spacing												
FMA / FME - Deshielo por aire o eléctrico - 6 Aletas por pulgada - Espaçamento 4,2mm												
FM*109*6	1	908	693	-	-	-	100	1,040	721	840	23	44
FM*151*6	1	908	693	-	-	-	100	1,040	721	840	26	47
FM*205*6	2	1,558	1,343	-	-	-	100	1,680	721	840	41	70
FM*280*6	2	1,558	1,343	-	-	-	100	1,680	721	840	45	74
FM*335*6	3	2,208	1,992	-	-	-	100	2,310	721	840	58	93
FM*421*6	3	2,208	1,992	-	-	-	100	2,310	721	840	65	100
FM*464*6	4	2,857	-	1,342	1,300	-	100	2,970	721	840	84	126
FM*562*6	4	2,857	-	1,342	1,300	-	100	2,970	721	840	97	138
FM*670*6	5	3,191	-	1,205	1,200	570	100	3,330	721	840	112	170

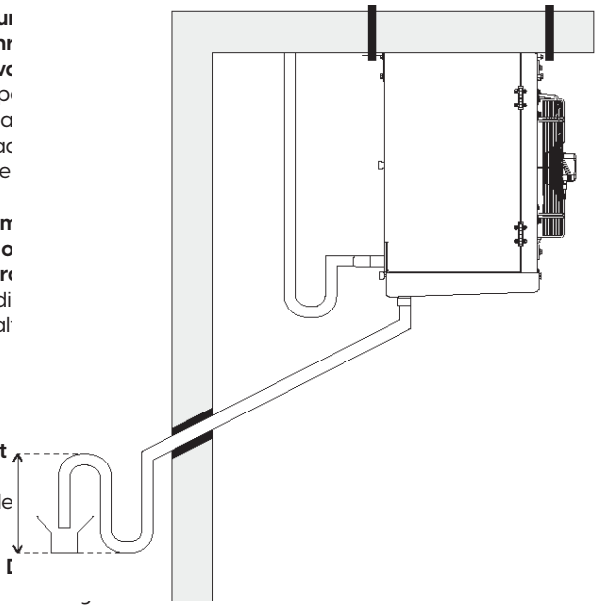


Mounting instruction / Instrucción de fijación

Evaporator mou
stainless steel thr
bar, nuts, and wa
Fijación del evap
con barra tuerca
arandelas roscad
acero inoxidable

Consider a minim
distance of 3/4 o
from the evapor
Considere una di
mínima de 3/4 al
evaporador

Minimum height
of drain 60cm
Altura mínima de
drenaje 60 cm



Minimum tilting angle for water outflow is 45°
El ángulo mínimo de inclinación indicado para el flujo de agua es de 45°

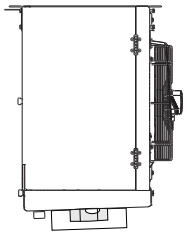
Seal the opening between the drain and the panel correctly
Selle adecuadamente el espacio entre el desagüe y el panel

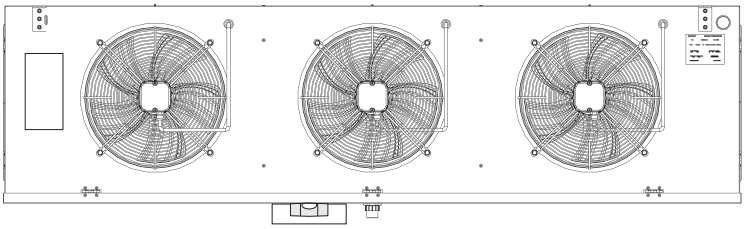
Recommendations for the drain construction / drain resistance
Recomendaciones de construcción / resistencia al drenaje

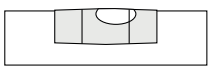
- Drainage line siphons should be placed at places with ambient temperature;
- Drainage piping stretches, installed inside the environment at temperature lower than 0°C must be wrapped by heaters (drain resistances);
- The heater (drain resistance) must be permanently connected and be constantly switched on. A consumption of 65W per linear meter of piping for -18°C of temperature in the chamber and 100W per linear meter for chambers with internal temperatures of -30°C is satisfactory

- Los sifones de la línea de desagüe deben colocarse a temperatura ambiente;
- Los tramos de tubería de drenaje, instalados en el interior del ambiente a una temperatura inferior a 0°C, deben estar rodeados de calentadores (resistencias de drenaje);
- El calentador (resistencia de drenaje) debe estar conectado de manera que permanezca encendido constantemente. Un consumo de 65W por metro lineal de tubería para -18°C de temperatura en la cámara y 100W por metro lineal para cámaras con temperatura interna de -30 ° C son satisfactorios

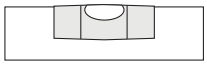
Evaporators leveling instructions at installation /
Instrucciones de nivelación para evaporadores en la instalación







Level with the bubble slightly to the side, indicating the tray is slightly tilted
Nivel con la burbuja ligeramente en el lateral, lo que indica una ligera inclinación de la charola



Level with centralized bubble
Nivel con burbuja centralizada

Instruction

- When the drain is located at the center of the tray, the level instrument must display its bubble centralized, indication that the evaporator is installed in a leveled and correct way.
- When the drain is located at the ends of the tray, the level instrument should display its bubble slightly to the side, as it will be necessary to tilt the drainage tray to improve the water outflow
- The leveling should be determined with the level instrument positioned on the tray
- Every time the tray positioning is changed, it is necessary to conduct a new leveling test

Instrucción

- Cuando el dren está ubicado en el centro de la charola, el instrumento de nivel debe mostrar su burbuja centralizada, lo que indica que el evaporador está instalado de manera nivelada y correcta.
- Cuando el dren esta ubicado en los extremos de la charola, el instrumento de nivel debe mostrar su burbuja ubicada ligeramente en el lateral, ya que será necesario inclinar la charola de desagüe para un mejor drenaje.
- La nivelación debe determinarse con el instrumento de nivel colocado en la charola.
- Cada vez que se cambia el posicionamiento de la charola, es necesario realizar una nueva prueba de nivelación

SMB
Compressor
Compresor

Elgin SMB Compressors are the type Scroll, with high start torque, high refrigeration performance and low power consumption. Indicated for applications at low and medium evaporation temperatures.
Main applications: Refrigeration chambers, product displays, Ice makers, Liquid coolers and Ice cream machines.

Los compresores Elgin SMB de tipo Scroll, con alto torque de arranque, alto rendimiento frigorífico y bajo power consumption. Indicados para aplicaciones en Baja y Média temperaturas de evaporación.
Principales Aplicaciones: Cámaras Frigoríficas, Expositores de Productos, Fabricantes de Hielo, Enfriadores de Líquido y Máquinas de Helado.

Commercial reference Referencia comercial	2 → 15 HP
Capacity Capacidad	1,169 → 37,442Kcal/h
Application temperature Temperatura de aplicación	-30°C → 0°C
Coolant Coolant	R-404A
Speed: Velocidad	Fixed Fija
Electrical feature Característica Eléctrica	220V-1F-60Hz 220V-3F-60Hz 380V-3F-60Hz

Access the website

Nomenclature

S	MB	200	T
Product Producto	**Application** Aplicación	**Rated capacity** Capacidad nominal	**Electrical** Eléctrica
S: **Compressor** **Compressor/** **Compresor** **Scroll Elgin/**	**MB:** **Low/Medium** **temperature/** **temperature/** **Baja/Media** **Temperatura de** **Evaporación**	**200** **300** **400** **500** **600** **800** **1000** **1200** **1500** **Example: 200/100 = 2HP** **Ejemplo: 200/100 = 2HP**	**E:** **220V-1F** **60Hz** **T:** **220V- 3F** **60Hz** **J:** **380V-3F** **60Hz**

Capacity data / Datos de capacidad

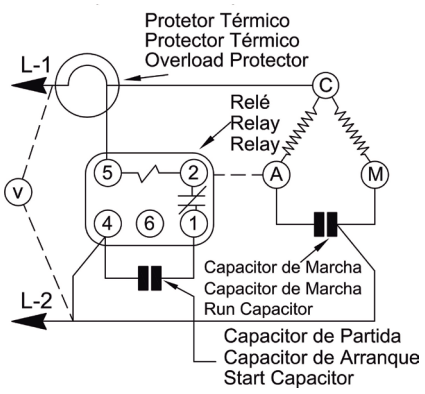
Model	HP	Cold storage capacity [Kcal/h] / Capacidad Frigorífica Evaporation temperature [°C] / Temperatura de evaporación						
		0°C	-5°C	-10°C	-15°C	-20°C	-25°C	-30°C
Low and medium temperature - R-404A Baja y media temperatura - R-404A								
SMB 200	2	4,607	3,854	3,204	2,610	2,154	1,662	1,169
SMB 300	3	5,844	4,888	4,064	3,310	2,732	2,108	1,483
SMB 400	4	6,689	5,595	4,651	3,789	3,127	2,412	1,697
SMB 500	5	9,777	8,178	6,798	5,538	4,570	3,525	2,480
SMB 600	6	16,944	14,213	11,889	9,883	8,051	5,125	3,606
SMB 800	8	17,775	14,867	12,359	10,068	8,708	6,409	4,509
SMB1000	10	24,170	20,217	16,806	13,690	11,298	8,715	6,132
SMB 1200	12	27,326	22,857	19,000	15,478	12,773	9,853	6,932
SMB 1500	15	37,442	29,604	23,008	17,808	14,157	12,209	11,430

- To obtain the capacity in BTU/h multiply it by 3.9
- To obtain the capacity in BTU/h divide it by 860
- To obtain the temperature in °F: (Value °C × 1.8)+32 = Value °F

- Para obtener la capacidad en BTU / h multiplicar por 3.9
- Para obtener la capacidad en kW dividir por 860
- Para obtener la temperatura en °F: (Value °C × 1.8)+32 = Value °F

Testing condition under nominal regime (Compressor) according to ASHRAE 32 **Cond. de ensayo en régimen nominal (Compresor) de acuerdo con ASHRAE 32**	L/MBP
Condensation temperature Temperatura de condensación	55°C
Ambient temperature Temperatura ambiente	32.2°C
Return temperature at the compressor suction Temperatura de retorno en la succión del compresor	32.2°C
Liquid temperature at the valve Temperatura de líquido en la válvula	32.2°C

Electrical Schemes / Esquemas de Cableado



CSR - Start and Run Capacitor
CSR - Capacitor de Arranque y de Marcha

Electrical data / Datos eléctricos

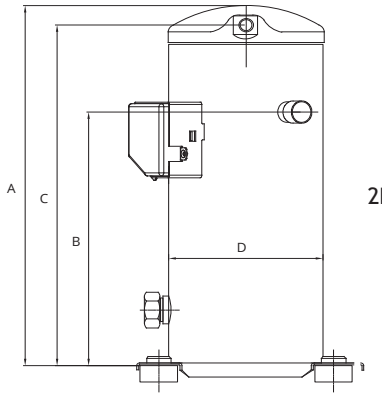
Model	Tev= -25°C		Tev= -5°C		Electrical feature Elétrica Característica Eléctrica			MCC	LRA	Relay Relay	Capacitor Capacitor
	Current Corriente	Consump. Consumo	Current Corriente	Consump. Consumo							Starter Arranque
	A	KW	A	KW	V	F	Hz	A	A		µFD/VAC
SMB 200 E	9.7	1.7	10.6	2.2	220	1	60	13.6	76	RVA 3AL 6D	161-193 / 330
SMB 200 T	7.7	1.7	8.7	2.2	220	3	60	11.4	99	-	-
SMB 200 J	4.3	1.7	4.7	2.2	380	3	60	6.6	51	-	-
SMB 300 E	10.9	2.1	13.3	2.8	220	1	60	17.4	76	RVA 3AL 6D	161-193 / 330
SMB 300 T	8.1	2.1	10.0	2.8	220	3	60	13.8	99	-	-
SMB 300 J	4.4	2.1	5.4	2.8	380	3	60	8.3	51	-	-
SMB 400 E	11.1	2.4	14.3	3.0	220	1	60	18.8	76	RVA 3AL 6D	161-193 / 330
SMB 400 T	8.5	2.4	10.4	3.0	220	3	60	14.2	99	-	-
SMB 400 J	4.2	2.4	5.7	3.0	380	3	60	8.6	51	-	-
SMB 500 T	10.9	3.2	14.3	4.3	220	3	60	20.8	136	-	-
SMB 500 J	5.5	3.2	8.2	4.3	380	3	60	13.4	69	-	-
SMB 600 T	14.4	4.4	19.3	6.1	220	3	60	26.7	167	-	-
SMB 600 J	7.2	4.4	11.0	6.1	380	3	60	17	94	-	-
SMB 800 T	20.8	7.2	25.3	7.8	220	3	60	38	241	-	-
SMB 800 J	11.2	7.2	14.6	7.8	380	3	60	22.3	135	-	-
SMB1000 T	25.5	9.6	32.5	10.4	220	3	60	41.1	290	-	-
SMB1000 J	13.8	9.6	18.8	10.4	380	3	60	26.6	163	-	-
SMB 1200 T	29.4	11.7	36.4	12.1	220	3	60	55.4	290	-	-
SMB 1200 J	16.1	11.7	21.1	12.1	380	3	60	32.1	163	-	-
SMB 1500 J	22.6	15.7	27.6	18.9	380	3	60	39.4	180	-	-

MCC: Maximum operational current / Corriente a plena carga
LRA: Blocked rotor current / Corriente a rotor bloqueado

Physical data / Datos físicos

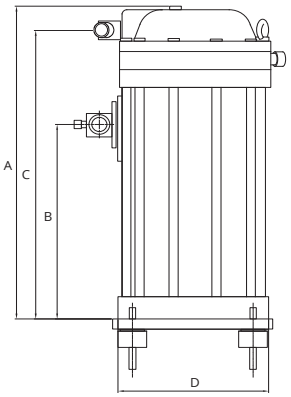
Model	Dimension / Dimension				Displac. Desplaz	Suction Succión Ø D1	Discharge Descarga Ø D2	Oil* Aceite*	Weight Peso
	A	B	C	D					
	mm	mm	mm	mm	cm^3	″	″	ml	kg
R-404A									
SMB 200	418.0	294.5	395.5	168.0	33.3	7/8	1/2	1.4	29
SMB 300	418.0	294.5	395.5	168.0	41.9	7/8	1/2	1.4	30
SMB 400	463.0	339.5	440.5	168.0	46.2	7/8	1/2	1.4	31
SMB 500	463.0	339.5	440.5	168.0	67.6	7/8	1/2	1.4	31
SMB 600	463.0	339.5	440.5	168.0	97.6	7/8	1/2	1.4	33
SMB 800	506.7	324.2	474.7	197.0	122.3	1 1/8	7/8	2.7	53
SMB1000	506.7	324.2	474.7	197.0	166.3	1 1/8	7/8	2.7	54
SMB 1200	506.7	324.2	474.7	197.0	189.1	1 1/8	7/8	2.7	54
SMB 1500	529.9	328.3	488.9	240.0	244.3	1 3/8	7/8	3.0	90

SMB 200 / 300 / 400 / 500 / 600 / 800 / 1000 /1200



2HP-12HP

SMB 1500



15HP

ECM - ECB
Compressor
Compresor

Elgin ECM and ECB Compressors are the hermetic type and alternative with piston, with high starter torque, high refrigeration performance and low energy consumption. They are indicated for high, medium, and low evaporation temperature.
Main applications: Refrigeration chambers, Supermarket displays, Ice makers, Liquid coolers and Ice cream machines.

Los Compresores Elgin ECM y ECB son tipos hermético y alternativos de pistón, con arranque elevado, alto rendimiento frigorífico y bajo consumo de energía. Son indicados para alta, media y baja temperaturas de evaporación.
Principales Aplicaciones: Cuartos fríos, Expositores y refrigeradores tipo exhibidor, Máquinas de hielo, Enfriadores de líquido y Máquinas de helado.

Commercial reference Referencia comercial	1.1/2 → 6HP
Capacity Capacidad	1,094 → 27,015 Kcal/h
Application temperature Temperatura de aplicación	-30°C → +10°C
Coolant Fluido Refrigerante	R-404A
Speed: Velocidad	Fixed Fija
Electrical feature Característica Eléctrica	220V-1F-50/60Hz 220V-3F-50/60Hz 380V-3F-50/60Hz

Access the website

Segurança
Compulsório INMETRO

Version / Versión: 11/2022

Nomenclature

EC	M	4200	E	0
Product Producto	**Application** Aplicación	**Rated capacity** Capacidad nominal	**Electrical** Eléctrica	**Internal code** Codigo interno
EC: **Compressor Elgin/ Compresor Elgin**	**M:** **Medium temperature temperature/ Evaporação/ Media temperatura de Evaporación**	**4:** **R-404A**	**T:** **220V-3F 50-60Hz** **J:** **380V-3F 50-60Hz** **E:** **220V-1F 60Hz**	**0**

Nomenclature

EC	B	2	4	64	T
Product Producto	**Application** Aplicación	**Internal code** Codigo interno	**Internal code** Codigo interno	**Rated capacity** Capacidad nominal	**Electrical** Eléctrica
EC: **Compressor Elgin/ Compresor Elgin**	**B:** **Low/Medium Evaporation tempera-ture/ Evaporação/ Baja/Media Temperatura de Evaporación**	**2**	**4** **5**	**64 X 1000 = 6,400 BTU/H** **80 X 1000 = 8,000 BTU/H** **11 X 1000 = 11,000 BTU/H** **16 X 1000 = 16,000 BTU/H** **22 X 1000 = 22,000 BTU/H**	**T:** **220V-3F 50/60Hz** **J:** **380V-3F 50/60Hz** **E:** **220V- 1F 60Hz**

Rated current and consumption for Tev = -5°C / Corriente nominal y consumo para Tev = -5°C

Testing condition under nominal regime (Compressor) according to ASHRAE 32 Cond. de ensayo en régimen nominal (Compresor) de acuerdo con ASHRAE 32	H/MBP L/MBP
Condensation temperature Temperatura de condensación	55°C
Ambient temperature Temperatura ambiente	35°C
Return temperature at the compressor suction Temperatura de retorno en la succión del compresor	35°C
Liquid temperature at the valve Temperatura de líquido en la válvula	46°C

Capacity data / Datos de capacidad

Model	HP	Cold storage capacity [Kcal/h] Cold storage capacity **OperationalTemperature [°C]** Temperatura de evaporación								
		10°C	5°C	0°C	-5°C	-10°C	-15°C	-20°C	-25°C	-30°C
60Hz	**High and medium temperature - R22** Alta y media temperatura - R22									
ECM 24000	2	8,081	6,260	4,438	3,499	2,559	2,023	-	-	-
ECM 30000	2.1/2	9,494	7,482	5,470	4,376	3,282	2,446	-	-	-
ECM 37000	3	11,816	9,159	6,502	5,228	3,953	2,982	-	-	-
ECM 42000	3.1/2	13,313	10,439	7,565	6,002	4,438	3,096	-	-	-
ECM 46000	3.3/4	16,512	12,302	8,091	6,301	4,510	3,199	-	-	-
ECM 53000	4	18,989	14,190	9,391	7,436	5,480	4,004	-	-	-
ECM 61000	5	21,321	16,130	10,939	8,633	6,326	4,613	-	-	-
ECM 68000	5.1/2	24,108	18,174	12,240	9,717	7,193	5,325	-	-	-
ECM 72000	6	26,006	19,520	13,034	10,387	7,740	5,810	-	-	-
60Hz	**High and medium temperature - R404A** Alta y media temperatura - R404A									
ECM 418000	1.1/2	7,891	6,113	4,380	3,417	2,580	1,664	-	-	-
ECM 424000	2	8,485	6,573	4,660	3,674	2,687	1,770	-	-	-
ECM 430000	2.1/2	9,969	7,856	5,744	4,595	3,446	2,139	-	-	-
ECM 437000	3	12,407	9,617	6,827	5,489	4,151	2,609	-	-	-
ECM 442000	3.1/2	13,979	10,961	7,943	6,302	4,660	2,709	-	-	-
ECM 446000	3.3/4	17,338	12,917	8,496	6,616	4,736	2,799	-	-	-
ECM 453000	4	19,938	14,900	9,861	7,808	5,754	3,503	-	-	-
ECM 461000	5	22,387	16,937	11,486	9,065	6,642	4,036	-	-	-
ECM 468000	5.1/2	25,313	19,083	12,852	10,203	7,553	4,659	-	-	-
ECM 472000	6	27,306	20,496	13,686	10,906	8,127	5,084	-	-	-
60Hz	**Low and medium temperature - R404A** Baja y media temperatura - R404A									
ECB 2464	1.1/2	-	-	5,800	4,548	3,296	2,332	1,929	1,544	1,094
ECB 2480	2	-	-	6,490	5,235	3,980	3,065	2,549	2,046	1,451
ECB 2511	3	-	-	7,495	6,280	4,702	3,496	3,310	3,152	3,008
ECB 2516	4	-	-	10,820	8,482	6,096	4,500	4,261	4,059	3,857
ECB 2522	5	-	-	13,513	10,728	7,941	5,965	5,750	5,533	5,416
50Hz	**High and medium temperature - R22** Alta y media temperatura - R22									
ECM 24000	2	6,734	5,216	3,698	2,915	2,133	1,686	-	-	-
ECM 30000	2.1/2	7,912	6,235	4,558	3,647	2,735	2,038	-	-	-
ECM 37000	3	9,847	7,633	5,418	4,356	3,294	2,485	-	-	-
ECM 42000	3.1/2	11,094	8,699	6,304	5,001	3,698	2,580	-	-	-
ECM 46000	3.3/4	13,760	10,251	6,743	5,250	3,758	2,666	-	-	-
ECM 53000	4	15,824	11,825	7,826	6,196	4,567	3,337	-	-	-
ECM 61000	5	17,768	13,442	9,116	7,194	5,272	3,844	-	-	-
ECM 68000	5.1/2	20,090	15,145	10,200	8,097	5,994	4,438	-	-	-
ECM 72000	6	21,672	16,267	10,862	8,656	6,450	4,842	-	-	-
50Hz	**High and medium temperature - R404A** Alta y media temperatura - R404A									
ECM 418000	1.1/2	6,646	5,148	3,650	2,877	2,195	1,664	-	-	-
ECM 424000	2	7,071	5,477	3,883	3,061	2,240	1,770	-	-	-
ECM 430000	2.1/2	8,308	6,547	4,786	3,829	2,872	2,139	-	-	-
ECM 437000	3	10,339	8,015	5,689	4,574	3,459	2,609	-	-	-
ECM 442000	3.1/2	11,649	9,134	6,619	5,251	3,883	2,709	-	-	-
ECM 446000	3.3/4	14,448	10,764	7,080	5,513	3,946	2,799	-	-	-
ECM 453000	4	16,615	12,416	8,217	6,506	4,795	3,503	-	-	-
ECM 461000	5	18,656	14,114	9,572	7,554	5,536	4,036	-	-	-
ECM 468000	5.1/2	21,095	15,902	10,710	8,502	6,294	4,659	-	-	-
ECM 472000	6	22,756	17,080	11,405	9,089	6,773	5,084	-	-	-
50Hz	**Low and medium temperature - R404A** Baja y media temperatura - R404A									
ECB 2464	1.1/2	-	-	4,814	3,775	2,736	1,943	1,608	1,287	912
ECB 2480	2	-	-	5,387	4,345	3,303	2,554	2,124	1,705	1,209
ECB 2511	3	-	-	6,221	5,212	3,903	2,913	2,758	2,627	2,507
ECB 2516	4	-	-	8,981	7,040	5,060	3,750	3,551	3,383	3,214
ECB 2522	5	-	-	11,216	8,904	6,591	4,971	4,792	4,611	4,513

- To obtain the capacity in BTU/h multiply it by 3.9
- To obtain the capacity in BTU/h divide it by 860
- To obtain the temperature in °F: (Value °C × 1.8)+32 = Value °F

- Para obtener la capacidad en BTU / h multiplicar por 3.9
- Para obtener la capacidad en kW dividir por 860
- Para obtener la temperatura en °F: (Value °C × 1.8)+32 = Value °F

Electrical data / Datos eléctricos

Model	Tev= -5°C 60Hz		Tev= -25°C 60Hz		Tev= -5°C 50Hz		Tev= -25°C 50Hz		Electrical feature Característica Eléctrica			MCC	LRA	Relay Relay Relay	Capacitor Capacitor Capacitor	
	Current Corriente	Consump. Consumo	Current Corriente	Consump. Consumo	Current Corriente	Consump. Consumo	Current Corriente	Consump. Consumo							Start Arranque Start [µF / VAC]	Run Marcha Run [µF / VAC]
	A	KW	A	KW	A	KW	A	KW	V	F	Hz	A	A			
High and medium temperature - R22 Alta y media temperatura - R22																
ECM 24000 T	5.8	2.0	-	-	5.7	1.7	-	-	220	3	60/50	10.1	46	-	-	-
ECM 24000 J	3.3	2.0	-	-	3.2	1.7	-	-	380	3	60/50	5.2	26	-	-	-
ECM 30000 T	6.7	2.3	-	-	6.5	1.9	-	-	220	3	60/50	14.1	65	-	-	-
ECM 30000 J	3.9	2.3	-	-	3.7	1.9	-	-	380	3	60/50	6.3	33	-	-	-
ECM 37000 T	8.5	2.8	-	-	8.3	2.3	-	-	220	3	60/50	14.8	86.0	-	-	-
ECM 37000 J	4.5	2.8	-	-	4.3	2.3	-	-	380	3	60/50	6.8	40.0	-	-	-
ECM 42000 T	10.4	3.5	-	-	10.2	2.9	-	-	220	3	60/50	17.0	88.0	-	-	-
ECM 42000 J	5.6	3.5	-	-	5.4	2.9	-	-	380	3	60/50	7.7	42.0	-	-	-
ECM 46000 T	11.0	3.8	-	-	10.8	3.2	-	-	220	3	60/50	18.6	96.0	-	-	-
ECM 46000 J	6.2	3.8	-	-	6.0	3.2	-	-	380	3	60/50	8.7	54.0	-	-	-
ECM 53000 T	12.2	4.3	-	-	12	3.6	-	-	220	3	60/50	24.5	108.0	-	-	-
ECM 53000 J	6.8	4.3	-	-	6.6	3.6	-	-	380	3	60/50	11.7	56.0	-	-	-
ECM 61000 T	13.8	5.2	-	-	13.6	4.3	-	-	220	3	60/50	29.0	128.0	-	-	-
ECM 61000 J	7.6	5.2	-	-	7.4	4.3	-	-	380	3	60/50	12.5	59.0	-	-	-
ECM 68000 T	18.2	6.8	-	-	18.0	5.7	-	-	220	3	60/50	31.0	146.0	-	-	-
ECM 68000 J	8.8	6.8	-	-	8.6	5.7	-	-	380	3	60/50	15.5	62.0	-	-	-
ECM 72000 T	20.6	7.4	-	-	20.4	6.2	-	-	220	3	60/50	36.0	162.0	-	-	-
ECM 72000 J	10.2	7.4	-	-	10.0	6.2	-	-	380	3	60/50	17.0	64.0	-	-	-
High and medium temperature - R404A Alta y media temperatura - R404A																
ECM 418000 T	5.9	2.0	-	-	5.8	1.7	-	-	220	3	60/50	9.8	46.0	-	-	-
ECM 418000 J	3.4	2.0	-	-	3.3	1.7	-	-	380	3	60/50	4.8	25.0	-	-	-
ECM 424000 T	6.1	2.1	-	-	6.0	1.8	-	-	220	3	60/50	10.4	46.0	-	-	-
ECM 424000 J	3.5	2.1	-	-	3.4	1.8	-	-	380	3	60/50	5.4	26.0	-	-	-
ECM 430000 T	7.0	2.4	-	-	6.8	2.0	-	-	220	3	60/50	14.5	65.0	-	-	-
ECM 430000 J	4.1	2.4	-	-	3.9	2.0	-	-	380	3	60/50	6.5	33.0	-	-	-
ECM 437000 T	8.9	2.9	-	-	8.7	2.4	-	-	220	3	60/50	15.2	86.0	-	-	-
ECM 437000 J	4.7	2.9	-	-	4.5	2.4	-	-	380	3	60/50	7.0	40.0	-	-	-
ECM 442000 T	10.9	3.7	-	-	10.7	3.0	-	-	220	3	60/50	17.5	88.0	-	-	-
ECM 442000 J	5.9	3.7	-	-	5.7	3.0	-	-	380	3	60/50	7.9	42.0	-	-	-
ECM 446000 T	11.6	4.0	-	-	11.3	3.4	-	-	220	3	60/50	19.2	96.0	-	-	-
ECM 446000 J	6.5	4.0	-	-	6.3	3.4	-	-	380	3	60/50	9.0	54.0	-	-	-
ECM 453000 T	12.8	4.5	-	-	12.6	3.8	-	-	220	3	60/50	25.2	108.0	-	-	-
ECM 453000 J	7.1	4.5	-	-	6.9	3.8	-	-	380	3	60/50	12.1	56.0	-	-	-
ECM 461000 T	14.5	5.5	-	-	14.3	4.5	-	-	220	3	60/50	29.9	128.0	-	-	-
ECM 461000 J	8.0	5.5	-	-	7.8	4.5	-	-	380	3	60/50	12.9	59.0	-	-	-
ECM 468000 T	19.1	7.1	-	-	18.9	6.0	-	-	220	3	60/50	31.9	146.0	-	-	-
ECM 468000 J	9.2	7.1	-	-	9.0	6.0	-	-	380	3	60/50	16.0	62.0	-	-	-
ECM 472000 T	21.6	7.8	-	-	21.4	6.5	-	-	220	3	60/50	37.1	162.0	-	-	-
ECM 472000 J	10.7	7.8	-	-	10.5	6.5	-	-	380	3	60/50	17.5	64.0	-	-	-
Low and medium temperature - R404A Baja y media temperatura - R404A																
ECB 2464 E	12.4	2.1	6.7	1.4	-	-	-	-	220	1	60	16.8	58.0	RVA4AG3R	161-193/330	35/440
ECB 2464 T	7.2	2.1	3.6	1.4	6.3	1.7	3.5	1.2	220	3	60/50	11.8	46.0	-	-	-
ECB 2464 J	3.9	2.1	2.8	1.4	2.9	1.7	2.7	1.2	380	3	60/50	5.8	28	-	-	-
ECB 2480 E	15.3	2.6	7.6	1.6	-	-	-	-	220	1	60	23.9	98	RVA4AG3R	161-193/330	35/440
ECB 2480 T	8.3	2.6	4.8	1.6	7.1	2.1	4.6	1.3	220	3	60/50	13.1	66.0	-	-	-
ECB 2480 J	4.8	2.6	3.4	1.6	3.9	2.1	3.2	1.3	380	3	60/50	6.2	32.0	-	-	-
ECB 2511 T	11.4	3.7	6.8	2.3	9.4	3.1	6.6	1.9	220	3	60/50	15.8	78	-	-	-
ECB 2511 J	6.7	3.7	4.2	2.3	5.5	3.1	4.0	1.9	380	3	60/50	8.6	38	-	-	-
ECB 2516 T	15.6	4.6	10.2	3.5	12.6	3.8	10.0	2.9	220	3	60/50	23.6	98.0	-	-	-
ECB 2516 J	8.1	4.6	5.5	3.5	6.7	3.8	5.3	2.9	380	3	60/50	12.8	52.0	-	-	-
ECB 2522 T	13.6	4.5	12.7	3.8	13.6	4.5	12.7	3.8	220	3	60/50	32.6	120.0	-	-	-
ECB 2522 J	7.4	4.5	6.6	3.8	7.4	4.5	6.6	3.8	380	3	60/50	15.2	66.0	-	-	-

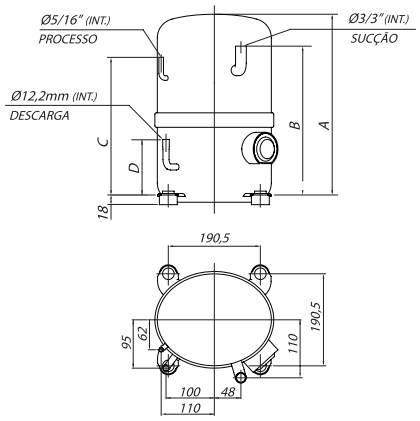
MCC: Maximum operational current / Corriente a plena carga
LRA: Blocked rotor current / Corriente a rotor bloqueado

Physical data / Datos físicos

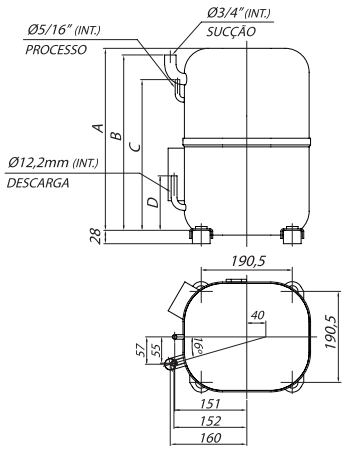
Model	Dimension / Dimension				Displac. Desplaz	Suction Succión Ø D1	Discharge Descarga Ø D2	Process Proceso ØD3	Oil Aceite	Weight Peso
	A	B	C	D						
	mm	mm	mm	mm	cm³	"	"	"	ml	kg
High and medium temperature - R22 Alta y media temperatura - R22										
ECM 24000	365	330	287	116	44	3/4	1/2	5/16	1.5	31
ECM 30000	365	330	287	116	52	3/4	1/2	5/16	1.5	31
ECM 37000	365	244	198	190.5	62.7	3/4	1/2	5/16	1.5	33
ECM 418000	365	330	287	116	34	3/4	1/2	5/16	1.5	31
ECM 42000	365	244	198	190.5	74.2	3/4	1/2	5/16	1.5	33
ECM 424000	365	330	287	116	44	3/4	1/2	5/16	1.5	31
ECM 430000	365	330	287	116	52	3/4	1/2	5/16	1.5	31
ECM 437000	365	244	198	190.5	62.7	3/4	1/2	5/16	1.5	33
ECM 442000	365	244	198	190.5	74.2	3/4	1/2	5/16	1.5	33
ECM 446000	398	388	310	104	90.2	3/4	1/2	5/16	2	46
ECM 453000	398	388	310	104	100.7	3/4	1/2	5/16	2	46
ECM 46000	398	388	310	104	90.2	3/4	1/2	5/16	2	46
ECM 461000	365	244	198	190.5	112.5	3/4	1/2	5/16	2	46
ECM 468000	398	244	198	190.5	124.4	3/4	1/2	5/16	2	48
ECM 472000	398	244	198	190.5	134.8	3/4	1/2	5/16	2	48
ECM 53000	398	388	310	104	100.7	3/4	1/2	5/16	2	46
ECM 61000	365	244	198	190.5	112.5	3/4	1/2	5/16	2	46
ECM 68000	398	244	198	190.5	124.4	3/4	1/2	5/16	2	48
ECM 72000	398	244	198	190.5	134.8	3/4	1/2	5/16	2	48
Low and medium temperature - R404A Baja y media temperatura - R404A										
ECB 2464	365	330	287	116	44	3/4	1/2	-	1.5	33
ECB 2480	365	330	287	116	62.7	3/4	1/2	-	1.5	34
ECB 2511	398	388	310	104	74.2	3/4	1/2	-	1.5	46
ECB 2516	398	388	310	104	112.5	3/4	1/2	-	2	46
ECB 2522	398	388	310	104	134.8	3/4	1/2	-	2	48

Oil / Aceite R-404A: Polyolester

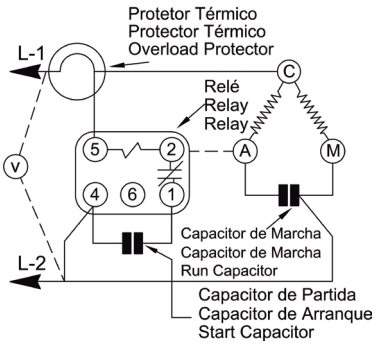
ECM 24000 - ECM 42000
ECM 418000 - ECM 442000



ECM 46000 - ECM 72000
ECM 446000 - ECM 472000

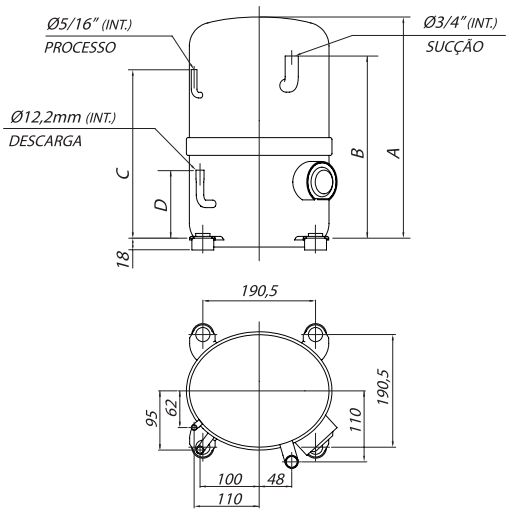


Electrical Schemes
Esquemas de Cableado



CSR - Start and Run Capacitor
CSR - Capacitor de Arranque y de Marcha

ECB 2464 / 2480 / 2511



ECB 2516 / 2522