



Minimum Evaporating Temp. With:

█ 25 °C Suction Gas Return

█ Maximum Evaporating Temperature

Suction Superheat 10.0K

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW								
	60.0-	55.0-	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-
30.0	3.19	4.58	6.40	8.72	11.60	15.05	19.15	23.90	29.40
35.0	2.86	4.12	5.78	7.90	10.50	13.70	17.45	21.90	27.00
40.0	2.55	3.70	5.20	7.13	9.51	12.40	15.85	19.90	24.60
45.0	2.25	3.28	4.63	6.36	8.51	11.15	14.25	17.95	22.30
50.0	1.90	2.83	4.03	5.57	7.49	9.84	12.65	16.00	19.95
55.0	1.50	2.31	3.37	4.72	6.42	8.50	11.05	14.05	17.55

50 Hz

6TH-200X

R404A Dew Point

Cond °C	Power, kW								
	60.0-	55.0-	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-
30.0	6.43	7.56	8.75	9.97	11.20	12.45	13.65	14.85	16.00
35.0	6.79	7.97	9.22	10.50	11.85	13.20	14.55	15.90	17.20
40.0	6.95	8.17	9.48	10.85	12.25	13.75	15.20	16.70	18.20
45.0	7.03	8.30	9.66	11.10	12.65	14.20	15.85	17.45	19.10
50.0	7.17	8.47	9.90	11.45	13.05	14.75	16.50	18.30	20.10
55.0	7.48	8.83	10.30	11.95	13.65	15.45	17.35	19.30	21.30

Cond °C	Current at 400 V, A								
	60.0-	55.0-	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-
30.0	16.17	17.46	18.84	20.32	21.89	23.54	25.27	27.07	28.95
35.0	16.55	17.88	19.33	20.92	22.62	24.45	26.38	28.43	30.58
40.0	16.76	18.13	19.67	21.36	23.22	25.23	27.38	29.68	32.12
45.0	16.89	18.32	19.95	21.77	23.78	25.99	28.37	30.94	33.68
50.0	17.06	18.55	20.28	22.24	24.42	26.83	29.45	32.29	35.34
55.0	17.36	18.92	20.76	22.87	25.23	27.85	30.73	33.85	37.21

Cond °C	Suction Mass Flow, g/s								
	60.0-	55.0-	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-
30.0	33.60	46.60	63.10	83.40	107.50	135.50	167.50	204.00	245.00
35.0	32.80	45.60	61.90	81.70	105.50	133.00	164.50	200.00	240.00
40.0	32.40	45.10	61.00	80.50	103.50	131.00	162.00	197.00	237.00
45.0	32.00	44.60	60.30	79.50	102.50	129.00	159.50	194.00	233.00
50.0	31.00	43.70	59.40	78.40	101.00	127.00	157.50	191.50	230.00
55.0	28.80	41.80	57.60	76.60	99.00	125.00	155.00	189.00	228.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	6
Displacement @ 50 Hz, m ³ /h	70.8
Bore/Stroke, mm	68.2/55.5
Length/Width, mm	755/585
Height, mm	575
Net Weight, kg	222
Gross Weight, kg	252
Suction, inch	1 5/8
Discharge, inch	1 3/8
Oil Quantity, l	3.3
Oil type (original charge)	POE RL32-3MAF
Oil type (approved oils)	POE RL32-3MAF, POE MOBIL EAL Arctic 22 CC
Base mounting (hole dia), mm	381 x 305 (18)
High Side PS gauge, bar	32.5
Low Side PS gauge, bar	22.5
Refrigerant's GWP	3922
Refrigerant's classification	A1

COMPRESSOR ELECTRICAL DATA (380-420 V / 3~ / 50 Hz)

Maximum Operating Current, A	37.7
Locked Rotor Current, A	173
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Oil Pressure Switch	OPS2 Sensor
Mounting Springs	4

ACCESSORIES OPTIONAL

Enclosure Class	IP 56
Oil Pressure Switch	OPS2 Electronic Switch
Deep Oil Sump	Mounted
Adapter Kit	For Parallel Operation
Oil Control System	ALCO Trax-Oil OM3

MOTOR OPTIONS

<i>Motor Code</i>	<i>Power Supply</i>	<i>Nominal Voltage, V</i>	<i>Start Connection</i>	<i>DOL Connection</i>	<i>Amps Factor</i>
AWM	380-420 V / 3~ / 50 Hz	400	YYY	Y	1.00
EWL	220-240 V / 3~ / 50 Hz	230	Y/DELTA	DELTA	1.73
EWL	380-420 V / 3~ / 50 Hz	400		Y	1.00
EWM	380-420 V / 3~ / 50 Hz	400	Y/DELTA	DELTA	1.00
EWY	500-550 V / 3~ / 50 Hz	525	Y/DELTA	DELTA	0.76
AWR	220-240 V / 3~ / 50 Hz	230	YYY	Y	1.73
AWY	500-550 V / 3~ / 50 Hz	525	YYY	Y	0.76
TWY	500-550 V / 3~ / 50 Hz	525		DELTA	0.76
EWK	220-240 V / 3~ / 60 Hz	230	Y/DELTA	DELTA	2.10
EWK	380-420 V / 3~ / 60 Hz	380		Y	1.20
EWD	440-480 V / 3~ / 60 Hz	460	Y/DELTA	DELTA	1.00
AWC	208-230 V / 3~ / 60 Hz	230	YYY	Y	2.19
AWD	440-480 V / 3~ / 60 Hz	460	YYY	Y	1.00