



Minimum Evaporating Temp. With:

- █ 25 °C Suction Gas Return
- █ Maximum Evaporating Temperature

Suction Return Temperature 20.0°C

Evaporating Temperature, °C

Liquid Subcooling 0.0K

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	6.29	8.35	10.85	13.75	17.10	20.90	25.20	30.00	35.20
35.0	6.16	8.19	10.60	13.45	16.70	20.40	24.60	29.10	34.10
40.0	6.02	8.01	10.40	13.15	16.30	19.85	23.90	28.30	33.10
45.0	5.87	7.82	10.15	12.80	15.85	19.30	23.10	27.40	32.00
50.0	5.71	7.61	9.85	12.45	15.40	18.70	22.40	26.40	30.80
55.0	5.51	7.37	9.54	12.05	14.85	18.05	21.60	25.40	

Cond °C	Power, kW								
	60.0-	55.0-	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-
30.0	7.28	8.49	9.67	10.80	11.95	13.10	14.25	15.40	16.60
35.0	7.62	8.89	10.15	11.40	12.65	13.90	15.15	16.45	17.80
40.0	8.00	9.32	10.65	11.95	13.30	14.70	16.10	17.50	19.00
45.0	8.42	9.80	11.20	12.60	14.05	15.50	17.00	18.55	20.20
50.0	8.90	10.30	11.75	13.25	14.75	16.35	17.95	19.65	21.40
55.0	9.42	10.85	12.35	13.90	15.50	17.20	18.90	20.70	

50Hz

6TH-200X SUB

R404A Dew Point

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	16.82	18.31	19.78	21.26	22.76	24.32	25.96	27.70	29.58
35.0	17.20	18.77	20.35	21.97	23.64	25.40	27.27	29.27	31.43
40.0	17.64	19.28	20.97	22.73	24.58	26.54	28.63	30.89	33.35
45.0	18.14	19.85	21.65	23.55	25.57	27.73	30.06	32.58	35.33
50.0	18.71	20.49	22.40	24.44	26.63	28.99	31.56	34.34	37.38
55.0	19.38	21.21	23.22	25.39	27.76	30.33	33.12	36.17	

Cond °C	Mass Flow, g/s								
	60.0-	55.0-	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-
30.0	27.50	37.50	50.10	65.60	84.30	107.00	133.50	164.50	201.00
35.0	27.30	37.30	49.80	65.10	83.60	105.50	131.50	162.50	198.00
40.0	27.00	37.00	49.30	64.40	82.60	104.50	130.00	159.50	194.50
45.0	26.70	36.60	48.80	63.60	81.50	102.50	127.50	157.00	190.50
50.0	26.20	36.00	48.00	62.60	80.10	101.00	125.00	153.50	186.50
55.0	25.60	35.30	47.10	61.30	78.40	98.50	122.00	149.50	

### COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	6
Displacement @ 50 Hz, m <sup>3</sup> /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 (18.0)
High Side PS, bar(g)	32.5
Low Side PS, bar(g)	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
Liquid Subcooler	Plate Heat Exchanger

### **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><b>Motor Code</b></i>	<i><b>Power Supply</b></i>	<i><b>Nominal Voltage, V</b></i>	<i><b>Start Connection</b></i>	<i><b>DOL Connection</b></i>	<i><b>Amps Factor</b></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