



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						
	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-
25.0	8.19	10.80	14.00	17.85	22.40	27.90	34.30
30.0	7.78	10.30	13.35	17.05	21.50	26.70	32.80
35.0	7.39	9.80	12.75	16.25	20.50	25.50	31.40
40.0	7.01	9.31	12.10	15.50	19.50	24.30	29.90
45.0	6.65	8.84	11.50	14.70	18.55	23.10	28.40
50.0		8.38	10.90	13.95	17.60	21.90	26.90
55.0		7.95	10.35	13.20	16.65	20.70	25.50

50Hz

6TH-2000

R22

Cond °C	Power, kW						
	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-
25.0	7.38	8.34	9.34	10.40	11.45	12.55	13.60
30.0	7.64	8.67	9.77	10.90	12.10	13.35	14.55
35.0	7.91	9.01	10.20	11.45	12.75	14.15	15.50
40.0	8.18	9.35	10.60	12.00	13.40	14.90	16.45
45.0	8.45	9.70	11.05	12.50	14.05	15.70	17.40
50.0		10.05	11.50	13.05	14.70	16.50	18.35
55.0		10.45	11.95	13.60	15.40	17.30	19.30

Cond °C	Current at 400 V, A						
	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-
25.0	16.83	17.91	19.11	20.43	21.84	23.31	24.79
30.0	17.12	18.30	19.64	21.12	22.72	24.41	26.15
35.0	17.41	18.70	20.18	21.82	23.60	25.52	27.52
40.0	17.72	19.12	20.72	22.52	24.50	26.64	28.91
45.0	18.05	19.55	21.29	23.24	25.41	27.78	30.31
50.0		20.01	21.88	23.99	26.35	28.94	31.74
55.0		20.51	22.50	24.77	27.32	30.13	33.20

Cond °C	Mass Flow, g/s						
	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-
25.0	41.60	55.00	71.30	91.10	115.00	143.00	177.00
30.0	40.90	54.10	70.40	90.00	113.50	141.50	175.00
35.0	40.20	53.30	69.40	88.90	112.00	140.00	173.00
40.0	39.50	52.50	68.50	87.70	111.00	138.50	171.00
45.0	39.00	51.80	67.60	86.60	109.50	137.00	169.00
50.0		51.20	66.80	85.60	108.00	135.00	167.00
55.0		50.80	66.10	84.70	107.00	133.50	165.00

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 (18.0)
High Side PS, bar(g)	32.5
Low Side PS, bar(g)	22.5
Refrigerant's GWP	1810
Refrigerant's classification	A1

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

Maximum Operating Current, A	36.3
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