



Minimum Evaporating Temp. With:	
— 20 °C Suction Gas Return ASERCOM certified	— 25 °C Suction Gas Return
— 25 °C Suction Gas Return with add cooling	
— Maximum Evaporating Temperature	

Suction Return Temperature 18.3°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW										
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
10.0	29.00	37.30	47.40	59.50	73.80	90.70	110.50	133.00			
15.0	26.90	35.10	44.90	56.50	70.20	86.40	105.00	127.00	151.50		
20.0	24.70	32.70	42.10	53.20	66.40	81.70	99.50	120.00	143.50	170.50	182.00
25.0	22.40	30.10	39.20	49.80	62.20	76.70	93.60	113.00	135.50	160.50	172.00
30.0	20.00	27.50	36.10	46.20	57.90	71.50	87.40	105.50	126.50	150.50	161.00
35.0	17.65	24.80	33.00	42.40	53.40	66.20	81.00	98.10	117.50	140.00	150.00
40.0		22.20	29.90	38.70	48.90	60.70	74.40	90.20	108.50	129.50	138.50
45.0		19.65	26.80	34.90	44.30	55.10	67.70	82.30	99.10	118.50	127.00
50.0		17.25	23.80	31.20	39.70	49.50	60.90	74.20	89.50	107.00	115.00
55.0			21.00	27.60	35.20	43.90	54.10	66.00	79.90	95.90	103.00

50 Hz	6DJ-400										R404A Dew Point
Cond °C	Power, kW										
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
10.0	11.65	13.00	14.25	15.35	16.25	16.95	17.50	17.80			
15.0	12.10	13.70	15.20	16.50	17.60	18.55	19.30	19.85	20.20		
20.0	12.50	14.35	16.05	17.60	18.95	20.10	21.10	21.90	22.40	22.70	22.80
25.0	12.80	14.90	16.85	18.65	20.30	21.70	22.90	23.90	24.70	25.20	25.40
30.0	12.95	15.35	17.55	19.60	21.50	23.20	24.70	25.90	27.00	27.80	28.00
35.0	13.00	15.65	18.15	20.50	22.60	24.60	26.40	27.90	29.20	30.30	30.70
40.0		15.80	18.60	21.20	23.70	25.90	28.00	29.90	31.50	32.80	33.30
45.0		15.75	18.90	21.80	24.60	27.20	29.60	31.70	33.60	35.30	35.90
50.0		15.55	19.00	22.30	25.40	28.30	31.00	33.50	35.70	37.70	38.40
55.0			18.95	22.60	26.00	29.30	32.30	35.10	37.70	40.00	40.90
Cond °C	Current at 400 V, A										
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
10.0	30.34	31.65	32.91	34.08	35.11	35.96	36.57	36.91			
15.0	30.81	32.37	33.89	35.34	36.65	37.79	38.70	39.35	39.67		
20.0	31.20	33.04	34.86	36.60	38.23	39.68	40.92	41.90	42.57	42.88	42.89
25.0	31.49	33.64	35.78	37.85	39.81	41.61	43.20	44.54	45.58	46.27	46.43
30.0	31.63	34.12	36.60	39.03	41.35	43.52	45.50	47.23	48.66	49.76	50.09
35.0	31.60	34.45	37.31	40.11	42.83	45.40	47.78	49.93	51.79	53.32	53.83
40.0		34.60	37.85	41.07	44.20	47.20	50.02	52.61	54.93	56.92	57.62
45.0		34.53	38.21	41.87	45.45	48.90	52.18	55.24	58.04	60.52	61.41
50.0		34.20	38.34	42.46	46.52	50.45	54.22	57.78	61.09	64.08	65.19
55.0			38.22	42.83	47.38	51.83	56.12	60.20	64.04	67.58	68.91
Cond °C	Suction Mass Flow, g/s										
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
10.0	163.00	210.00	268.00	338.00	421.00	520.00	638.00	775.00			
15.0	157.50	206.00	264.00	334.00	418.00	517.00	634.00	771.00	932.00		
20.0	151.00	200.00	259.00	329.00	413.00	512.00	628.00	765.00	925.00	1112.00	1196.00
25.0	143.50	193.50	253.00	323.00	406.00	504.00	620.00	756.00	916.00	1103.00	1187.00
30.0	135.00	186.00	245.00	315.00	398.00	495.00	610.00	746.00	905.00	1091.00	1175.00
35.0	126.00	177.50	237.00	307.00	388.00	485.00	599.00	733.00	891.00	1078.00	1161.00
40.0		168.50	228.00	297.00	378.00	473.00	585.00	718.00	876.00	1062.00	1146.00
45.0		159.50	219.00	287.00	366.00	460.00	571.00	702.00	859.00	1045.00	1129.00
50.0		151.00	210.00	277.00	354.00	446.00	556.00	686.00	841.00	1027.00	1111.00
55.0			201.00	267.00	343.00	433.00	540.00	669.00	823.00	1010.00	1095.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	6
Displacement @ 50 Hz, m ³ /h	127
Bore/Stroke, mm	74.6/55.6
Length/Width, mm	760/580
Height, mm	545
Net Weight, kg	261
Gross Weight, kg	277
Rotalock Discharge, inch	1 3/8
Suction, inch	2 1/8
Drive Frequency Range, Hz	25 - 60
Oil Quantity, l	6.8
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)
Sound Pressure @ 1m (MT), dBA	76
Sound Power (MT), dBA	87
Sound Conditions (MT, Temperatures: Evap./Cond./Suction at freq./speed)	-10 / 45 / 20 °C at 50 Hz
Sound Pressure @ 1m (HT), dBA	75
Sound Power (HT), dBA	86
Sound Conditions (HT, Temperatures: Evap./Cond./Suction at freq./speed)	5 / 50 / 15 °C at 50 Hz
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	83
Locked Rotor Current, A	304
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Oil Pressure Switch	OPS2 Sensor
Mounting Springs	4
Deep Oil Sump	Mounted

ACCESSORIES OPTIONAL

Additional Cooling	70 W Vertical Air Flow Fan
Capacity Control	Capacity Steps 66/33%
Crankcase Heater	200 W Internal
Enclosure Class	IP 56
Oil Pressure Switch	OPS2 Electronic Switch
Unloaded start	Available
Adapter Kit	For Parallel Operation
Check Valve	For unloaded start 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
AWR	220-240 V / 3~ / 50 Hz	230	YYY	Y	1.73
AWY	500-550 V / 3~ / 50 Hz	525	YYY	Y	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
AWX	380 V / 3~ / 60 Hz	380	YYY	Y	1.20
AWD	440-480 V / 3~ / 60 Hz	460	YYY	Y	1.00