



Minimum Evaporating Temp. With:	
<span style="color: magenta;">—</span> 25 °C Suction Gas Return	<span style="color: yellow;">—</span> 10 K Suction Superheat with add cooling
<span style="color: brown;">—</span> 20 K Suction Superheat	
<span style="color: blue;">—</span> Maximum Evaporating Temperature	

Suction Return Temperature 20.0°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	21.40	26.90	33.40	41.10	50.10	60.40				
15.0	20.20	25.50	31.80	39.20	47.70	57.70				
20.0	19.05	24.10	30.10	37.20	45.40	54.90	65.80	70.60		
25.0	17.90	22.70	28.50	35.20	43.10	52.10	62.60	67.20	74.50	81.10
30.0	16.75	21.40	26.80	33.20	40.70	49.30	59.30	63.70	70.70	77.00
35.0		20.00	25.20	31.20	38.30	46.50	56.00	60.20	66.80	72.80
40.0			23.50	29.20	36.00	43.70	52.70	56.60	63.00	68.60
45.0			21.90	27.30	33.60	40.90	49.40	53.10	59.10	64.50
50.0				25.30	31.20	38.10	46.10	49.60	55.20	60.30
55.0					28.90	35.40	42.80	46.10	51.40	56.10
60.0					26.60	32.60	39.50	42.60	47.50	51.90
62.0					25.70	31.50	38.20	41.20	46.00	50.30

Cond °C	Power, kW									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	5.92	6.17	6.27	6.18	5.88	5.32				
15.0	6.38	6.75	7.00	7.08	6.96	6.60				
20.0	6.80	7.29	7.67	7.91	7.97	7.81	7.41	7.16		
25.0	7.17	7.78	8.29	8.68	8.91	8.95	8.76	8.61	8.30	7.96
30.0	7.50	8.22	8.86	9.40	9.80	10.00	10.05	9.98	9.80	9.59
35.0		8.62	9.39	10.05	10.65	11.05	11.25	11.30	11.25	11.15
40.0			9.87	10.70	11.40	12.00	12.40	12.50	12.60	12.60
45.0			10.30	11.25	12.15	12.90	13.50	13.70	13.90	14.05
50.0				11.80	12.80	13.75	14.55	14.80	15.15	15.40
55.0					13.45	14.55	15.50	15.85	16.35	16.70
60.0					14.05	15.30	16.45	16.85	17.45	17.90
62.0					14.30	15.60	16.80	17.25	17.90	18.40

Cond °C	Current at 400 V, A									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	15.28	15.30	15.16	14.86	14.41	13.80				
15.0	15.69	15.94	16.02	15.95	15.73	15.34				
20.0	16.06	16.53	16.84	17.00	17.00	16.85	16.53	16.36		
25.0	16.38	17.08	17.63	18.01	18.24	18.31	18.22	18.14	17.98	17.80
30.0	16.67	17.60	18.37	18.98	19.44	19.74	19.88	19.89	19.86	19.79
35.0		18.07	19.07	19.91	20.59	21.12	21.49	21.59	21.70	21.75
40.0			19.73	20.80	21.71	22.47	23.06	23.26	23.50	23.66
45.0			20.36	21.65	22.79	23.77	24.60	24.88	25.26	25.54
50.0				22.46	23.83	25.04	26.09	26.47	26.98	27.37
55.0					24.83	26.26	27.54	28.01	28.66	29.17
60.0					25.79	27.45	28.96	29.52	30.31	30.92
62.0					26.16	27.91	29.51	30.11	30.95	31.61

Cond °C	Suction Mass Flow, g/s									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	100.50	126.50	158.00	195.50	239.00	290.00				
15.0	97.70	123.50	154.50	191.50	235.00	285.00				
20.0	94.90	120.50	151.00	187.50	230.00	280.00	339.00	365.00		
25.0	92.00	117.50	147.50	183.00	225.00	275.00	332.00	358.00	400.00	437.00
30.0	88.90	114.00	143.50	178.50	220.00	269.00	326.00	351.00	392.00	430.00
35.0		110.00	139.50	174.00	215.00	263.00	319.00	344.00	385.00	422.00
40.0			135.00	169.00	209.00	257.00	312.00	337.00	377.00	413.00
45.0			131.00	164.00	203.00	250.00	304.00	329.00	368.00	404.00
50.0				159.00	197.50	243.00	297.00	320.00	359.00	395.00
55.0					191.00	236.00	288.00	312.00	350.00	385.00
60.0					185.00	229.00	280.00	303.00	341.00	375.00
62.0					182.50	226.00	277.00	300.00	337.00	371.00

**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Number of cylinders	4
Displacement @ 50 Hz, m³/h	56.0
Bore/Stroke, mm	63.5/50.8
Length/Width, mm	650/485
Height, mm	495
Net Weight, kg	183
Gross Weight, kg	199
Suction, inch	1 5/8
Discharge, inch	1 1/8
Drive Frequency Range, Hz	25 - 60
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	1810
Refrigerant's classification	A1

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

Maximum Operating Current, A	32.7
Locked Rotor Current, A	175
Default Enclosure Class	IP 54 (IEC 34)

**ACCESSORIES INCLUDED**

Mounting Springs	4
Oil Pressure Switch	OPS2 Sensor

**ACCESSORIES OPTIONAL**

Crankcase Heater	100 W Internal
Discharge Temperature Protection	Head PTC sensor
Unloaded start	Available
Capacity Control	Capacity Steps 50%
Enclosure Class	IP 56
Check Valve	For unloaded start operation
Adapter Kit	For Parallel Operation
Additional Cooling	70 W Vertical Air Flow Fan
Oil Pressure Switch	OPS2 Electronic Switch
Deep Oil Sump	Mounted
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
AWX	380 V / 3~ / 60 Hz	380	YYY	Y	1.20
AWD	440-480 V / 3~ / 60 Hz	460	YYY	Y	1.00