



Minimum Evaporating Temp. With:	
<span style="color: pink;">—</span> 25 °C Suction Gas Return	<span style="color: yellow;">—</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	19.10	23.90	29.70	36.50	44.40					
15.0	17.95	22.50	28.00	34.50	42.10	50.90				
20.0	16.85	21.20	26.40	32.60	39.90	48.30	58.00	62.20		
25.0	15.80	19.95	24.90	30.80	37.70	45.70	54.90	59.00	65.50	71.30
30.0	14.80	18.70	23.40	29.00	35.50	43.10	51.90	55.70	61.90	67.50
35.0	13.80	17.55	22.00	27.30	33.40	40.60	48.90	52.60	58.50	63.70
40.0		16.40	20.60	25.60	31.40	38.20	46.00	49.50	55.00	60.00
45.0			19.30	24.00	29.40	35.80	43.20	46.40	51.70	56.40
50.0				22.40	27.50	33.50	40.40	43.50	48.40	52.80
55.0				20.80	25.60	31.20	37.70	40.50	45.10	49.20
60.0					23.80	29.00	35.00	37.60	41.90	45.80
62.0					23.10	28.10	33.90	36.50	40.70	44.40

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	5.91	6.21	6.40	6.47	6.39					
15.0	6.39	6.79	7.10	7.28	7.34	7.24				
20.0	6.78	7.28	7.70	8.01	8.20	8.26	8.15	8.06		
25.0	7.10	7.70	8.22	8.66	8.99	9.20	9.25	9.23	9.15	9.03
30.0	7.35	8.05	8.69	9.26	9.72	10.10	10.30	10.35	10.35	10.35
35.0	7.56	8.36	9.11	9.80	10.40	10.90	11.30	11.40	11.55	11.60
40.0		8.64	9.50	10.30	11.05	11.70	12.30	12.45	12.70	12.85
45.0			9.87	10.80	11.70	12.50	13.25	13.50	13.85	14.10
50.0				11.30	12.35	13.30	14.20	14.50	14.95	15.30
55.0				11.80	13.00	14.10	15.15	15.55	16.10	16.55
60.0					13.65	14.95	16.15	16.60	17.30	17.85
62.0					13.95	15.30	16.55	17.05	17.80	18.35

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	13.04	13.16	13.15	13.04	12.82					
15.0	13.53	13.85	14.06	14.16	14.15	14.03				
20.0	13.95	14.49	14.91	15.22	15.42	15.51	15.49	15.45		
25.0	14.32	15.07	15.70	16.22	16.64	16.94	17.12	17.17	17.20	17.20
30.0	14.63	15.58	16.43	17.17	17.79	18.30	18.70	18.83	18.99	19.09
35.0	14.87	16.04	17.10	18.05	18.89	19.61	20.22	20.44	20.72	20.93
40.0		16.44	17.72	18.88	19.92	20.86	21.68	21.98	22.40	22.71
45.0			18.27	19.64	20.90	22.05	23.09	23.47	24.01	24.43
50.0				20.35	21.82	23.18	24.43	24.90	25.56	26.09
55.0				21.00	22.68	24.25	25.71	26.26	27.06	27.69
60.0					23.48	25.26	26.94	27.57	28.50	29.24
62.0					23.78	25.65	27.41	28.08	29.05	29.84

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	89.60	112.50	140.00	173.00	212.00					
15.0	86.70	109.00	136.50	168.50	207.00	252.00				
20.0	83.80	106.00	132.50	164.50	202.00	246.00	298.00	321.00		
25.0	81.10	103.00	129.00	160.00	197.00	241.00	292.00	314.00	351.00	385.00
30.0	78.50	99.80	125.50	156.00	192.50	235.00	285.00	308.00	344.00	377.00
35.0	75.90	96.80	122.00	152.00	187.50	230.00	279.00	301.00	337.00	369.00
40.0		94.00	118.50	148.00	183.00	224.00	272.00	294.00	329.00	361.00
45.0			115.50	144.00	178.50	219.00	266.00	287.00	322.00	354.00
50.0				140.50	174.00	213.00	260.00	281.00	315.00	346.00
55.0				137.00	169.50	208.00	254.00	274.00	308.00	338.00
60.0					165.50	203.00	248.00	268.00	301.00	331.00
62.0					163.50	201.00	246.00	266.00	298.00	328.00

**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Number of cylinders	3
Displacement @ 50 Hz, m³/h	49.9
Bore/Stroke, mm	61.9/63.5
Length/Width, mm	680/370
Height, mm	480
Net Weight, kg	162
Gross Weight, kg	177
Suction, inch	1 5/8
Discharge, inch	1 1/8
Drive Frequency Range, Hz	25 - 60
Oil Quantity, l	3.7
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	30.2
Locked Rotor Current, A	125
Default Enclosure Class	IP 54 (IEC 34)

**ACCESSORIES INCLUDED**

Mounting Springs	4
Oil Pressure Switch	OPS2 Sensor

**ACCESSORIES OPTIONAL**

Unloaded start	Available
Additional Cooling	70 W Vertical Air Flow Fan
Oil Pressure Switch	OPS2 Electronic Switch
Deep Oil Sump	Mounted
Adapter Kit	For Parallel Operation
Oil Control System	ALCO Trax-Oil OM3
Crankcase Heater	70 W Internal
Enclosure Class	IP 56
Check Valve	For unloaded start operation

**MOTOR OPTIONS**

<b>Motor Code</b>	<b>Power Supply</b>	<b>Nominal Voltage, V</b>	<b>Start Connection</b>	<b>DOL Connection</b>	<b>Amps Factor</b>
AWM	380-420 V / 3~ / 50 Hz	400	YY/Y	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	YY/Y	Y	1.73
AWY	500-550 V / 3~ / 50 Hz	525	YY/Y	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
AWX	380 V / 3~ / 60 Hz	380	YY/Y	Y	1.20
AWD	440-480 V / 3~ / 60 Hz	460	YY/Y	Y	1.00