



Minimum Evaporating Temp. With:

■ 25 °C Suction Gas Return

■ Maximum Evaporating Temperature

Suction Superheat 10.0K

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW							
	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
30.0	60.70	78.20	99.30	124.00	153.00	165.50	185.50	204.00
35.0	55.50	71.80	91.70	115.00	142.50	154.50	173.50	190.50
40.0	50.60	65.90	84.50	106.50	132.00	143.50	161.50	177.50
45.0	46.10	60.30	77.60	98.20	122.50	133.00	150.00	165.00
50.0		55.00	71.10	90.30	113.00	123.00	139.00	153.00
55.0		50.10	65.00	82.70	103.50	113.00	128.00	141.50
60.0		45.60	59.20	75.60	95.00	103.50	117.50	130.50

Cond °C	Power, kW							
	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
30.0	20.10	22.60	24.50	25.90	26.50	26.40	26.10	25.50
35.0	21.60	24.40	26.80	28.60	29.70	29.90	30.00	29.70
40.0	23.00	26.10	28.80	31.10	32.70	33.20	33.50	33.60
45.0	24.40	27.70	30.70	33.40	35.50	36.10	36.90	37.20
50.0		29.20	32.50	35.50	38.10	38.90	39.90	40.60
55.0		30.60	34.20	37.50	40.40	41.40	42.80	43.60
60.0		32.00	35.80	39.40	42.60	43.80	45.40	46.50

Cond °C	Current at 400 V, A							
	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
30.0	49.30	52.04	54.40	56.08	56.79	56.73	56.24	55.40
35.0	50.95	54.18	57.13	59.49	60.98	61.26	61.30	60.93
40.0	52.58	56.27	59.77	62.78	65.01	65.62	66.17	66.26
45.0	54.18	58.30	62.31	65.94	68.88	69.80	70.84	71.37
50.0		60.26	64.76	68.96	72.57	73.79	75.31	76.25
55.0		62.13	67.09	71.83	76.09	77.59	79.56	80.90
60.0		63.93	69.30	74.56	79.41	81.18	83.58	85.32

Cond °C	Suction Mass Flow, g/s							
	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
30.0	349.00	442.00	553.00	682.00	828.00	891.00	992.00	1080.00
35.0	334.00	426.00	535.00	661.00	805.00	868.00	967.00	1054.00
40.0	321.00	410.00	517.00	641.00	783.00	845.00	943.00	1030.00
45.0	309.00	396.00	501.00	623.00	763.00	824.00	921.00	1007.00
50.0		383.00	486.00	606.00	744.00	804.00	900.00	985.00
55.0		372.00	473.00	590.00	727.00	786.00	881.00	966.00
60.0		364.00	462.00	578.00	712.00	771.00	865.00	950.00

**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Number of cylinders	8
Displacement @ 50 Hz, m <sup>3</sup> /h	151
Bore/Stroke, mm	68.3/59.2
Length/Width, mm	835/467
Height, mm	610
Net Weight, kg	326
Gross Weight, kg	347
Suction, inch	2 5/8
Discharge, inch	1 5/8
Drive Frequency Range, Hz	25 - 60
Oil Quantity, l	7.6
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	457 x 305 (18)
Sound Pressure @ 1m, dBA	77
Sound Power, dBA	88
High Side PS gauge, bar	32.5
Low Side PS gauge, bar	22.5
Refrigerant's GWP	1774
Refrigerant's classification	A1

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

Maximum Operating Current, A	95.2
Locked Rotor Current, A	458
Default Enclosure Class	IP 54 (IEC 34)

**ACCESSORIES INCLUDED**

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

**ACCESSORIES OPTIONAL**

Unloaded start	Available
Crankcase Heater	200 W Internal
Enclosure Class	IP 56
Check Valve	For unloaded start operation
Adapter Kit	For Parallel Operation
Oil Control System	ALCO Trax-Oil OM3
Additional Cooling	70 W Vertical Air Flow Fan
Capacity Control	Capacity Steps 75/50%
Discharge Temperature Protection	Head PTC sensor
Oil Pressure Switch	OPS2 Electronic Switch

**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	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
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	YY/Y	Y	2.19
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