



Minimum Evaporating Temp. With:

- 20 K Suction Superheat
- 20 °C Suction Gas Return
- 0 °C Suction Gas Return
- Maximum Evaporating Temperature

Suction Return Temperature 20.0°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
10.0	5.17	6.96	9.22	12.00	15.35	19.35	24.00		
15.0	4.83	6.55	8.71	11.35	14.55	18.35	22.80	27.90	
20.0		6.14	8.20	10.70	13.75	17.30	21.50	26.30	31.90
25.0		5.72	7.68	10.05	12.90	16.30	20.20	24.80	30.10
30.0			7.15	9.39	12.10	15.25	18.95	23.30	28.20
35.0			6.63	8.73	11.25	14.20	17.70	21.70	26.40
40.0				8.06	10.40	13.15	16.40	20.20	24.50
45.0				7.39	9.56	12.10	15.15	18.65	22.70
50.0					8.72	11.05	13.85	17.05	20.80
55.0						10.00	12.55	15.50	18.95
60.0						8.97	11.25	13.95	
62.0						8.54	10.75	13.30	

Cond °C	Power, kW								
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0
10.0	2.34	2.65	2.94	3.18	3.35	3.43	3.40		
15.0	2.43	2.78	3.12	3.42	3.66	3.83	3.88	3.82	
20.0		2.90	3.29	3.65	3.97	4.21	4.36	4.39	4.29
25.0		3.01	3.45	3.87	4.25	4.58	4.81	4.95	4.96
30.0			3.59	4.07	4.53	4.93	5.26	5.49	5.61
35.0			3.71	4.25	4.78	5.26	5.68	6.02	6.24
40.0				4.41	5.01	5.57	6.08	6.52	6.86
45.0				4.54	5.21	5.86	6.46	7.00	7.44
50.0					5.39	6.12	6.81	7.45	8.01
55.0						6.34	7.13	7.86	8.54
60.0						6.53	7.41	8.25	
62.0						6.60	7.51	8.39	

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
10.0	5.56	5.94	6.30	6.61	6.83	6.93	6.87		
15.0	5.67	6.09	6.51	6.90	7.21	7.42	7.49	7.39	
20.0		6.24	6.72	7.18	7.59	7.92	8.12	8.16	8.01
25.0		6.37	6.92	7.46	7.97	8.41	8.74	8.93	8.95
30.0			7.10	7.73	8.34	8.89	9.36	9.70	9.89
35.0			7.26	7.97	8.69	9.36	9.97	10.46	10.82
40.0				8.19	9.01	9.81	10.55	11.20	11.73
45.0				8.38	9.30	10.23	11.11	11.92	12.62
50.0					9.56	10.61	11.63	12.61	13.48
55.0						10.95	12.12	13.26	14.31
60.0						11.24	12.56	13.86	
62.0						11.34	12.73	14.09	

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
10.0	24.10	32.50	43.10	56.30	72.40	91.50	114.00		
15.0	23.30	31.60	42.20	55.20	71.00	89.80	112.00	138.00	
20.0		30.80	41.20	54.00	69.50	88.00	110.00	135.50	165.50
25.0		29.80	40.10	52.70	67.90	86.10	107.50	133.00	162.50
30.0			38.90	51.30	66.20	84.10	105.00	130.00	159.00
35.0			37.70	49.80	64.40	81.90	102.50	127.00	155.50
40.0				48.20	62.50	79.60	99.90	124.00	152.00
45.0				46.50	60.50	77.20	97.00	120.50	148.00
50.0					58.30	74.50	93.90	117.00	144.00
55.0						71.80	90.60	113.00	139.50
60.0						68.80	87.20	109.00	
62.0						67.60	85.70	107.50	

**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Number of cylinders	3
Displacement @ 50 Hz, m³/h	32.2
Bore/Stroke, mm	55.6/50.8
Length/Width, mm	655/370
Height, mm	480
Net Weight, kg	146
Gross Weight, kg	157
Rotalock Discharge, inch	7/8
Suction, inch	1 3/8
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)
Sound Pressure @ 1m (MT), dBA	66
Sound Power (MT), dBA	77
Sound Conditions (MT, Temperatures: Evap./Cond./Suction at freq./speed)	-10 / 45 / 20 °C at 50 Hz
High Side PS gauge, bar	32.5
Low Side PS gauge, bar	22.5
Refrigerant's GWP	2107
Refrigerant's classification	A1

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

Maximum Operating Current, A	15.9
Locked Rotor Current, A	55
Default Enclosure Class	IP 54 (IEC 34)

**ACCESSORIES INCLUDED**

Mounting Springs	4
Oil Pressure Switch	OPS2 Sensor

**ACCESSORIES OPTIONAL**

Unloaded start	Available
Crankcase Heater	70 W Internal
Check Valve	For unloaded start operation
Capacity Control	Moduload
Enclosure Class	IP 56
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**

<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	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
AWX	380 V / 3~ / 60 Hz	380	YYY	Y	1.20
AWD	440-480 V / 3~ / 60 Hz	460	YYY	Y	1.00