



Minimum Evaporating Temp. With:

- 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									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	58.20	73.80	92.70	115.50						
15.0	54.50	69.50	87.50	109.00	134.50					
20.0	51.00	65.20	82.40	103.00	127.00	155.00				
25.0	47.50	61.10	77.30	96.70	119.50	146.00	177.00	190.50	213.00	
30.0	44.10	57.00	72.40	90.60	112.00	137.50	166.50	179.50	200.00	219.00
35.0	40.90	53.00	67.50	84.70	105.00	128.50	156.50	168.50	188.00	206.00
40.0	37.60	49.10	62.70	78.80	97.70	120.00	146.00	157.50	176.00	192.50
45.0		45.30	57.90	72.90	90.60	111.50	135.50	146.50	164.00	179.50
50.0		41.50	53.30	67.20	83.60	103.00	125.50	135.50	152.00	166.50
55.0			48.70	61.50	76.60	94.40	115.50	124.50	140.00	153.50
60.0			44.10	55.80	69.70	86.00	105.50	114.00		
62.0				53.60	66.90	82.70	101.00			

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	16.40	17.10	17.30	16.85						
15.0	17.50	18.60	19.30	19.40	18.75					
20.0	18.45	19.85	21.00	21.70	21.70	20.80				
25.0	19.30	21.00	22.50	23.70	24.30	24.20	23.10	22.40	20.90	
30.0	20.10	22.10	23.90	25.60	26.70	27.30	27.00	26.60	25.60	24.50
35.0	21.00	23.10	25.20	27.30	28.90	30.10	30.50	30.50	30.10	29.40
40.0	21.90	24.10	26.50	28.80	31.00	32.70	33.90	34.10	34.20	34.00
45.0		25.10	27.70	30.40	32.90	35.20	37.00	37.50	38.00	38.20
50.0		26.30	29.00	31.90	34.80	37.50	39.90	40.70	41.70	42.20
55.0			30.30	33.50	36.70	39.80	42.70	43.80	45.10	46.10
60.0			31.90	35.10	38.60	42.10	45.50	46.70		
62.0				35.80	39.40	43.00	46.60			

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	50.06	50.72	50.98	50.56						
15.0	50.99	51.97	52.67	52.83	52.19					
20.0	51.85	53.12	54.23	54.94	54.98	54.10				
25.0	52.66	54.19	55.71	56.94	57.64	57.55	56.40	55.59	53.94	
30.0	53.46	55.24	57.12	58.86	60.19	60.86	60.61	60.19	59.17	57.93
35.0	54.28	56.27	58.51	60.73	62.67	64.07	64.69	64.65	64.25	63.56
40.0	55.15	57.34	59.90	62.57	65.10	67.22	68.68	69.02	69.22	69.07
45.0		58.47	61.33	64.43	67.52	70.33	72.61	73.32	74.11	74.48
50.0		59.69	62.83	66.34	69.96	73.44	76.52	77.58	78.94	79.82
55.0			64.43	68.32	72.46	76.58	80.43	81.84	83.76	85.14
60.0			66.16	70.41	75.04	79.78	84.39	86.13		
62.0				71.29	76.10	81.09	85.98			

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	273.00	348.00	439.00	548.00						
15.0	265.00	339.00	429.00	537.00	666.00					
20.0	257.00	330.00	419.00	526.00	653.00	804.00				
25.0	249.00	321.00	409.00	514.00	640.00	789.00	966.00	1045.00	1174.00	
30.0	241.00	313.00	399.00	503.00	627.00	774.00	949.00	1027.00	1155.00	1272.00
35.0	233.00	304.00	389.00	491.00	613.00	759.00	932.00	1009.00	1136.00	1252.00
40.0	225.00	295.00	379.00	479.00	600.00	743.00	914.00	991.00	1117.00	1233.00
45.0		286.00	369.00	467.00	586.00	728.00	897.00	973.00	1099.00	1214.00
50.0		278.00	359.00	456.00	572.00	712.00	879.00	955.00	1080.00	1195.00
55.0			349.00	444.00	558.00	696.00	862.00	938.00	1062.00	1177.00
60.0			339.00	432.00	545.00	681.00	846.00	921.00		
62.0				428.00	540.00	676.00	840.00			

**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Number of cylinders	8
Displacement @ 50 Hz, m³/h	151
Bore/Stroke, mm	68.3/59.3
Length/Width, mm	835/475
Height, mm	610
Net Weight, kg	330
Gross Weight, kg	351
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 (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
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	88.2
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**

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