



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	12.30	15.50	19.35	23.90						
15.0	11.60	14.70	18.40	22.80	28.00					
20.0	10.90	13.90	17.45	21.70	26.60	32.40				
25.0	10.15	13.05	16.45	20.50	25.20	30.80	37.10	40.00	44.50	
30.0	9.40	12.15	15.40	19.25	23.80	29.00	35.10	37.80	42.10	45.90
35.0	8.61	11.25	14.35	18.00	22.30	27.20	33.00	35.50	39.60	43.20
40.0	7.81	10.30	13.25	16.70	20.70	25.40	30.80	33.20	37.10	40.50
45.0	6.99	9.37	12.15	15.35	19.15	23.50	28.60	30.90	34.50	37.70
50.0		8.41	11.00	14.00	17.50	21.60	26.40	28.50	31.90	34.90
55.0			9.84	12.65	15.90	19.70	24.10	26.10	29.20	32.10
60.0			8.66	11.25	14.20	17.70	21.80	23.60		
62.0			8.18	10.65	13.55	16.90	20.80			

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	3.21	3.39	3.43	3.35						
15.0	3.47	3.71	3.83	3.84	3.73					
20.0	3.70	4.02	4.23	4.32	4.30	4.18				
25.0	3.92	4.32	4.61	4.79	4.87	4.84	4.72	4.65	4.51	
30.0	4.11	4.59	4.96	5.24	5.41	5.49	5.48	5.45	5.38	5.30
35.0	4.26	4.82	5.29	5.66	5.94	6.12	6.22	6.24	6.24	6.22
40.0	4.37	5.02	5.58	6.04	6.42	6.72	6.94	7.00	7.08	7.12
45.0	4.43	5.17	5.82	6.39	6.87	7.28	7.62	7.73	7.88	7.99
50.0		5.27	6.01	6.68	7.28	7.80	8.26	8.42	8.65	8.82
55.0			6.15	6.93	7.63	8.27	8.85	9.06	9.36	9.60
60.0			6.22	7.10	7.92	8.68	9.38	9.65		
62.0			6.23	7.16	8.02	8.83	9.58			

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	8.83	9.01	9.08	9.01						
15.0	9.07	9.32	9.45	9.46	9.36					
20.0	9.32	9.64	9.85	9.95	9.94	9.81				
25.0	9.55	9.96	10.26	10.46	10.55	10.54	10.42	10.33	10.18	
30.0	9.76	10.26	10.66	10.97	11.18	11.29	11.30	11.27	11.20	11.11
35.0	9.93	10.53	11.05	11.48	11.82	12.06	12.21	12.24	12.25	12.24
40.0	10.04	10.76	11.40	11.96	12.44	12.83	13.12	13.22	13.33	13.39
45.0	10.08	10.93	11.70	12.41	13.03	13.57	14.03	14.19	14.41	14.56
50.0		11.02	11.94	12.80	13.58	14.29	14.93	15.16	15.48	15.73
55.0			12.11	13.12	14.08	14.96	15.78	16.09	16.53	16.87
60.0			12.18	13.37	14.50	15.58	16.59	16.98		
62.0			12.18	13.44	14.65	15.80	16.90			

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	57.70	72.90	91.50	114.00						
15.0	56.40	71.70	90.20	112.50	139.00					
20.0	54.90	70.20	88.70	111.00	137.00	168.50				
25.0	53.20	68.50	86.90	109.00	135.00	166.00	203.00	219.00	245.00	
30.0	51.30	66.60	84.90	107.00	132.50	163.50	200.00	216.00	242.00	267.00
35.0	49.10	64.50	82.70	104.50	130.00	160.50	196.50	213.00	239.00	263.00
40.0	46.70	62.00	80.10	101.50	127.00	157.50	193.00	209.00	235.00	259.00
45.0	44.00	59.30	77.20	98.50	123.50	153.50	189.00	205.00	231.00	255.00
50.0		56.20	74.00	95.00	120.00	149.50	185.00	201.00	227.00	251.00
55.0			70.40	91.20	116.00	145.00	180.00	196.00	222.00	246.00
60.0			66.50	86.90	111.00	140.50	175.00	191.00		
62.0			64.80	85.10	109.50	138.00	173.00			

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	680/370
Height, mm	480
Net Weight, kg	152
Gross Weight, kg	163
Rotalock Discharge, inch	1 1/8
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	68
Sound Power (MT), dBA	79
Sound Conditions (MT, Temperatures: Evap./Cond./Suction at freq./speed)	-10 / 45 / 20 °C at 50 Hz
Sound Pressure @ 1m (HT), dBA	67
Sound Power (HT), dBA	78
Sound Conditions (HT, Temperatures: Evap./Cond./Suction at freq./speed)	5 / 55 / 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	17.5
Locked Rotor Current, A	106
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Oil Pressure Switch	OPS2 Sensor
Mounting Springs	4

ACCESSORIES OPTIONAL

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

MOTOR OPTIONS

Motor Code	Power Supply	Nominal Voltage, V	Start Connection	DOL Connection	Amps Factor
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
EWY	500-550 V / 3~ / 50 Hz	525	Y/DELTA	DELTA	0.76
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