



Minimum Evaporating Temp. With:

- 20 °C Suction Gas Return
- 20 °C Suction Gas Return with add cooling
- 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	5.0	7.0
10.0	6.01	7.80	10.00	12.70	15.90	19.70	24.10	29.20			
15.0	5.65	7.37	9.50	12.05	15.15	18.75	22.90	27.80	33.30		
20.0	5.26	6.92	8.94	11.40	14.30	17.75	21.70	26.30	31.60	37.50	40.10
25.0	4.86	6.43	8.35	10.65	13.40	16.65	20.40	24.80	29.80	35.40	37.90
30.0	4.44	5.93	7.74	9.90	12.50	15.50	19.05	23.20	27.90	33.20	35.60
35.0	4.02	5.41	7.10	9.11	11.50	14.35	17.65	21.50	25.90	30.90	33.10
40.0		4.89	6.44	8.29	10.50	13.10	16.20	19.75	23.90	28.60	30.60
45.0		4.36	5.77	7.46	9.47	11.85	14.70	17.95	21.80	26.20	28.10
50.0		3.83	5.09	6.61	8.42	10.60	13.15	16.15	19.65	23.70	25.40
55.0			4.42	5.75	7.35	9.27	11.55	14.25	17.45	21.10	22.70
60.0			3.75	4.88	6.26	7.94	9.95	12.35	15.20		
62.0			3.48	4.54	5.83	7.40	9.30	11.55	14.25		

Cond °C	Power, kW										
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
10.0	2.59	2.90	3.18	3.40	3.53	3.55	3.41	3.10			
15.0	2.68	3.03	3.38	3.67	3.90	4.03	4.02	3.85	3.50		
20.0	2.76	3.15	3.54	3.90	4.22	4.44	4.56	4.53	4.32	3.92	3.69
25.0	2.83	3.24	3.67	4.10	4.48	4.80	5.03	5.12	5.07	4.83	4.67
30.0	2.90	3.32	3.79	4.26	4.71	5.11	5.44	5.65	5.73	5.64	5.55
35.0	2.97	3.40	3.88	4.39	4.90	5.38	5.79	6.11	6.32	6.37	6.35
40.0		3.47	3.96	4.50	5.06	5.60	6.09	6.51	6.84	7.02	7.05
45.0		3.54	4.03	4.59	5.18	5.78	6.35	6.86	7.29	7.60	7.68
50.0		3.61	4.10	4.67	5.29	5.93	6.56	7.15	7.67	8.10	8.24
55.0			4.17	4.73	5.37	6.05	6.73	7.39	8.00	8.54	8.72
60.0			4.23	4.80	5.44	6.14	6.87	7.59	8.28		
62.0			4.26	4.82	5.47	6.17	6.91	7.66	8.38		

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	5.0	7.0
10.0	8.37	8.61	8.84	9.04	9.17	9.21	9.14	8.92			
15.0	8.45	8.72	9.00	9.26	9.48	9.62	9.66	9.57	9.32		
20.0	8.52	8.82	9.15	9.48	9.77	10.01	10.16	10.19	10.08	9.80	9.64
25.0	8.57	8.91	9.29	9.68	10.05	10.38	10.64	10.80	10.83	10.71	10.61
30.0	8.61	8.98	9.41	9.86	10.31	10.74	11.11	11.39	11.56	11.59	11.55
35.0	8.63	9.03	9.51	10.02	10.55	11.07	11.54	11.95	12.26	12.44	12.47
40.0		9.06	9.58	10.15	10.76	11.37	11.95	12.48	12.92	13.26	13.35
45.0		9.06	9.62	10.26	10.94	11.64	12.32	12.97	13.55	14.04	14.20
50.0		9.03	9.63	10.33	11.08	11.87	12.66	13.43	14.14	14.78	15.01
55.0			9.61	10.36	11.19	12.06	12.95	13.84	14.69	15.48	15.77
60.0			9.54	10.35	11.25	12.21	13.20	14.21	15.19		
62.0			9.50	10.33	11.26	12.25	13.29	14.34	15.38		

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	5.0	7.0
10.0	33.50	43.50	56.10	71.40	89.90	112.00	138.00	168.50			
15.0	32.80	42.90	55.50	70.80	89.20	111.00	137.00	167.50	203.00		
20.0	31.90	42.10	54.60	69.80	88.10	110.00	135.50	166.00	201.00	242.00	261.00
25.0	30.90	41.00	53.40	68.50	86.70	108.50	134.00	164.00	199.50	240.00	259.00
30.0	29.70	39.80	52.10	67.00	84.90	106.50	131.50	161.50	197.00	238.00	256.00
35.0	28.40	38.30	50.40	65.10	82.80	104.00	129.00	159.00	194.00	235.00	253.00
40.0		36.70	48.60	63.00	80.30	101.00	126.00	155.50	190.00	231.00	250.00
45.0		35.00	46.50	60.50	77.40	97.80	122.50	151.50	186.00	227.00	246.00
50.0		33.10	44.30	57.80	74.20	94.10	118.00	147.00	181.50	223.00	242.00
55.0			41.80	54.80	70.60	90.00	113.50	142.00	176.50	218.00	237.00
60.0			39.30	51.60	66.80	85.60	108.50	137.00	171.50		
62.0			38.30	50.30	65.30	83.80	107.00	135.00	170.00		

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 50 Hz, m ³ /h	28.0
Bore/Stroke, mm	66.7/46.1
Length/Width, mm	590/330
Height, mm	470
Net Weight, kg	136
Gross Weight, kg	145
Rotalock Discharge, inch	1 1/8
Suction, inch	1 3/8
Oil Quantity, l	2.3
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	295 x 279 (14)
Sound Pressure @ 1m, dBA	66
Sound Power, dBA	77
High Side PS gauge, bar	32.5
Low Side PS gauge, bar	22.5
Refrigerant's GWP	3922
Refrigerant's classification	A1

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

Maximum Operating Current, A	16.1
Locked Rotor Current, A	82
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
Oil Control System	ALCO Trax-Oil OM3
Enclosure Class	IP 56
Adapter Kit	For Parallel Operation
Crankcase Heater	70 W Internal
Check Valve	For unloaded start operation

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	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