



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								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
20.0	7.80	10.20	13.00	16.35					
25.0	7.18	9.47	12.20	15.40	19.15				
30.0	6.58	8.76	11.35	14.45	18.05	22.30	24.10	27.10	29.80
35.0	5.98	8.07	10.55	13.45	16.95	21.00	22.70	25.60	28.20
40.0	5.39	7.38	9.73	12.50	15.80	19.65	21.40	24.10	26.60
45.0	4.82	6.70	8.93	11.55	14.70	18.35	19.95	22.60	24.90
50.0	4.25	6.03	8.13	10.60	13.55	17.00	18.55	21.00	23.30
55.0	3.70	5.38	7.35	9.67	12.40	15.65	17.10	19.40	21.50
60.0	3.17	4.75	6.57	8.72	11.25	14.25	15.60	17.80	19.75
62.0			6.27	8.35	10.80	13.70	15.00	17.15	19.05

Cond °C	Power, kW								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
20.0	2.62	2.76	2.84	2.85					
25.0	2.73	2.93	3.09	3.18	3.19				
30.0	2.83	3.09	3.32	3.48	3.58	3.58	3.56	3.50	3.41
35.0	2.91	3.24	3.53	3.77	3.94	4.03	4.04	4.03	3.99
40.0	2.99	3.37	3.72	4.03	4.27	4.44	4.49	4.53	4.54
45.0	3.05	3.48	3.89	4.26	4.58	4.83	4.91	5.00	5.05
50.0	3.10	3.57	4.03	4.47	4.85	5.18	5.29	5.43	5.52
55.0	3.14	3.64	4.15	4.64	5.09	5.49	5.63	5.82	5.96
60.0	3.16	3.70	4.25	4.79	5.30	5.77	5.94	6.18	6.35
62.0			4.27	4.84	5.37	5.87	6.05	6.31	6.50

Cond °C	Current at 400 V, A								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
20.0	5.75	5.94	6.06	6.08					
25.0	5.90	6.19	6.42	6.55	6.57				
30.0	6.04	6.43	6.75	6.99	7.13	7.14	7.10	7.00	6.87
35.0	6.17	6.63	7.05	7.40	7.65	7.79	7.81	7.79	7.73
40.0	6.28	6.82	7.33	7.78	8.14	8.40	8.47	8.53	8.54
45.0	6.37	6.98	7.58	8.12	8.60	8.98	9.09	9.23	9.31
50.0	6.44	7.11	7.79	8.43	9.01	9.50	9.67	9.89	10.04
55.0	6.49	7.22	7.96	8.69	9.38	9.99	10.21	10.50	10.72
60.0	6.52	7.29	8.10	8.92	9.70	10.42	10.69	11.06	11.34
62.0			8.15	8.99	9.81	10.58	10.87	11.27	11.58

Cond °C	Suction Mass Flow, g/s								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
20.0	46.80	59.90	75.10	92.70					
25.0	45.00	58.20	73.40	90.90	111.00				
30.0	43.20	56.30	71.50	89.10	109.00	132.00	142.00	158.00	172.00
35.0	41.30	54.40	69.60	87.10	107.00	130.00	140.00	156.00	170.50
40.0	39.30	52.40	67.60	85.00	105.00	128.00	138.00	154.00	168.00
45.0	37.10	50.30	65.50	82.80	103.00	125.50	135.50	151.50	165.50
50.0	34.80	48.10	63.20	80.50	100.50	123.00	133.00	148.50	163.00
55.0	32.40	45.80	60.80	78.00	97.60	120.00	130.00	145.50	159.50
60.0	29.90	43.40	58.30	75.30	94.60	116.50	126.50	142.00	155.50
62.0			57.30	74.10	93.30	115.00	125.00	140.50	154.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	3
Displacement @ 50 Hz, m ³ /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, dBA	67
Sound Power, dBA	78
High Side PS gauge, bar	32.5
Low Side PS gauge, bar	22.5
Refrigerant's GWP	1430
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

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