



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
10.0	16.30	20.90	26.40						
15.0	15.10	19.50	24.80	31.10					
20.0	13.90	18.15	23.20	29.20	36.20				
25.0	12.75	16.80	21.60	27.30	34.00	41.80			
30.0	11.55	15.40	20.00	25.40	31.80	39.20	42.50	47.80	52.50
35.0	10.40	14.10	18.45	23.60	29.60	36.70	39.80	44.80	49.30
40.0	9.30	12.75	16.90	21.80	27.50	34.10	37.10	41.90	46.20
45.0	8.22	11.50	15.35	19.95	25.30	31.60	34.40	39.00	43.00
50.0	7.20	10.25	13.90	18.20	23.20	29.20	31.80	36.10	40.00
55.0	6.25	9.11	12.50	16.45	21.20	26.70	29.20	33.30	36.90
60.0	5.36	8.00	11.10	14.80	19.20	24.40	26.70	30.50	33.90
62.0			10.60	14.15	18.40	23.40	25.70	29.40	32.70

Cond °C	Power, kW								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	4.27	4.47	4.56						
15.0	4.55	4.86	5.06	5.13					
20.0	4.79	5.19	5.51	5.71	5.77				
25.0	4.99	5.48	5.91	6.24	6.44	6.49			
30.0	5.16	5.74	6.27	6.72	7.06	7.27	7.31	7.31	7.26
35.0	5.31	5.97	6.59	7.16	7.64	8.00	8.10	8.21	8.25
40.0	5.43	6.17	6.89	7.57	8.18	8.68	8.85	9.06	9.19
45.0	5.54	6.35	7.16	7.95	8.68	9.33	9.56	9.86	10.10
50.0	5.64	6.52	7.41	8.30	9.15	9.94	10.25	10.65	10.95
55.0	5.74	6.67	7.65	8.64	9.60	10.50	10.85	11.35	11.75
60.0	5.83	6.83	7.88	8.96	10.05	11.10	11.50	12.05	12.55
62.0			7.97	9.09	10.20	11.30	11.75	12.35	12.85

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
10.0	9.46	9.65	9.71						
15.0	9.72	10.04	10.25	10.30					
20.0	9.96	10.41	10.77	10.99	11.04				
25.0	10.19	10.75	11.25	11.65	11.90	11.96			
30.0	10.39	11.07	11.71	12.28	12.72	13.00	13.06	13.08	13.03
35.0	10.57	11.37	12.14	12.87	13.50	13.99	14.14	14.31	14.39
40.0	10.73	11.63	12.55	13.43	14.24	14.94	15.18	15.49	15.70
45.0	10.87	11.88	12.92	13.95	14.94	15.85	16.18	16.63	16.96
50.0	10.99	12.09	13.26	14.44	15.61	16.71	17.13	17.72	18.17
55.0	11.08	12.28	13.57	14.90	16.23	17.53	18.03	18.76	19.33
60.0	11.15	12.44	13.84	15.31	16.82	18.31	18.89	19.75	20.44
62.0			13.94	15.47	17.04	18.61	19.22	20.13	20.87

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
10.0	90.10	113.50	141.00						
15.0	86.90	110.00	137.50	169.00					
20.0	83.50	106.50	134.00	165.50	201.00				
25.0	79.80	103.00	130.00	161.50	197.00	238.00			
30.0	75.90	99.10	126.00	157.00	192.50	233.00	250.00	278.00	303.00
35.0	71.90	95.00	122.00	152.50	187.50	228.00	245.00	273.00	298.00
40.0	67.70	90.80	117.50	148.00	182.50	222.00	240.00	267.00	292.00
45.0	63.40	86.40	112.50	143.00	177.50	217.00	234.00	261.00	286.00
50.0	59.00	82.00	108.00	138.00	172.00	211.00	228.00	255.00	280.00
55.0	54.70	77.50	103.50	133.00	166.50	205.00	222.00	249.00	273.00
60.0	50.50	73.10	98.70	127.50	161.00	199.00	216.00	243.00	267.00
62.0			96.80	125.50	159.00	197.00	214.00	240.00	264.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	4
Displacement @ 50 Hz, m³/h	56.0
Bore/Stroke, mm	63.5/50.8
Length/Width, mm	680/485
Height, mm	495
Net Weight, kg	178
Gross Weight, kg	194
Rotalock Discharge, inch	1 1/8
Suction, inch	1 5/8
Drive Frequency Range, Hz	25 - 60
Oil Quantity, l	3.3
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	381 x 305 (18)
Sound Pressure @ 1m, dBA	72.4
Sound Power, dBA	83.4
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	27.1
Locked Rotor Current, A	105
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Oil Pressure Switch	OPS2 Sensor
Mounting Springs	4

ACCESSORIES OPTIONAL

Enclosure Class	IP 56
Adapter Kit	For Parallel Operation
Capacity Control	Capacity Steps 50%
Check Valve	For unloaded start operation
Additional Cooling	70 W Vertical Air Flow Fan
Crankcase Heater	100 W Internal
Discharge Temperature Protection	Head PTC sensor
Unloaded start	Available
Deep Oil Sump	Mounted
Oil Pressure Switch	OPS2 Electronic Switch
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
AWC	208-230 V / 3~ / 60 Hz	230	YY/Y	Y	2.19
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