



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	25.80	32.50	40.50						
15.0	24.40	30.80	38.60	47.80					
20.0	23.00	29.20	36.70	45.50	56.00				
25.0	21.50	27.50	34.70	43.20	53.20	64.90			
30.0	20.10	25.80	32.70	40.80	50.40	61.60	66.60	74.60	81.80
35.0	18.60	24.10	30.70	38.50	47.60	58.30	63.10	70.80	77.70
40.0	17.15	22.40	28.60	36.00	44.80	55.00	59.60	66.90	73.50
45.0	15.65	20.70	26.60	33.60	41.90	51.70	56.00	63.00	69.30
50.0	14.20	18.95	24.50	31.20	39.00	48.30	52.40	59.10	65.10
55.0	12.70	17.20	22.50	28.70	36.10	44.90	48.80	55.10	60.90
60.0	11.25	15.45	20.40	26.20	33.20	41.40	45.10	51.10	56.60
62.0			19.55	25.20	32.00	40.10	43.70	49.50	54.90

Cond °C	Power, kW								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	5.87	6.09	6.16						
15.0	6.41	6.78	7.00	7.04					
20.0	6.92	7.41	7.78	8.00	8.02				
25.0	7.38	8.00	8.52	8.91	9.12	9.12			
30.0	7.81	8.56	9.22	9.77	10.15	10.35	10.40	10.35	10.25
35.0	8.21	9.07	9.88	10.60	11.15	11.55	11.65	11.75	11.75
40.0	8.58	9.56	10.50	11.35	12.10	12.70	12.90	13.10	13.25
45.0	8.93	10.05	11.10	12.10	13.05	13.80	14.10	14.45	14.65
50.0	9.26	10.45	11.65	12.85	13.90	14.90	15.25	15.70	16.05
55.0	9.59	10.90	12.20	13.50	14.75	15.90	16.35	16.95	17.40
60.0	9.90	11.30	12.75	14.20	15.60	16.95	17.45	18.15	18.70
62.0			12.95	14.45	15.95	17.35	17.85	18.65	19.25

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	15.50	15.73	15.80						
15.0	15.93	16.31	16.54	16.59					
20.0	16.39	16.91	17.32	17.57	17.59				
25.0	16.86	17.53	18.12	18.57	18.82	18.82			
30.0	17.34	18.16	18.93	19.58	20.07	20.33	20.36	20.30	20.16
35.0	17.82	18.79	19.73	20.60	21.33	21.86	22.00	22.12	22.14
40.0	18.27	19.40	20.53	21.61	22.58	23.38	23.63	23.94	24.11
45.0	18.70	19.99	21.31	22.60	23.82	24.88	25.26	25.75	26.08
50.0	19.09	20.54	22.05	23.57	25.03	26.37	26.86	27.53	28.03
55.0	19.43	21.05	22.75	24.49	26.20	27.82	28.43	29.29	29.95
60.0	19.71	21.50	23.40	25.36	27.32	29.22	29.95	31.00	31.82
62.0			23.64	25.69	27.75	29.76	30.54	31.67	32.56

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	142.50	176.50	216.00						
15.0	140.50	174.00	214.00	261.00					
20.0	138.00	171.50	212.00	258.00	312.00				
25.0	135.00	169.00	209.00	255.00	308.00	369.00			
30.0	132.00	166.00	206.00	252.00	305.00	366.00	393.00	435.00	472.00
35.0	128.50	163.00	203.00	249.00	302.00	362.00	389.00	431.00	469.00
40.0	125.00	159.00	199.00	245.00	298.00	358.00	385.00	427.00	465.00
45.0	120.50	155.50	195.00	241.00	293.00	354.00	380.00	423.00	460.00
50.0	116.50	151.00	190.50	236.00	289.00	349.00	376.00	418.00	456.00
55.0	111.50	146.50	186.00	232.00	284.00	344.00	371.00	413.00	451.00
60.0	106.00	141.00	181.00	226.00	279.00	339.00	365.00	408.00	446.00
62.0			178.50	224.00	276.00	337.00	363.00	406.00	444.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	4
Displacement @ 50 Hz, m³/h	84.7
Bore/Stroke, mm	74.7/55.6
Length/Width, mm	700/535
Height, mm	795
Net Weight, kg	215
Gross Weight, kg	231
Rotalock Discharge, inch	1 3/8
Suction, inch	2 1/8
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	72.5
Sound Power, dBA	83.5
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	42.8
Locked Rotor Current, A	175
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
Crankcase Heater	100 W Internal
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

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
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
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