



Minimum Evaporating Temp. With:

- 25 °C Suction Gas Return
- 20 K Suction Superheat
- 20 K Suction Superheat with add cooling
- Maximum Evaporating Temperature

Suction Superheat 10.0K

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	15.0
10.0	25.30	33.60	43.60	55.60	69.60	85.80					
15.0	23.20	31.20	40.80	52.20	65.50	81.10	99.00				
20.0	21.20	28.80	37.90	48.80	61.50	76.40	93.50	101.00	113.00		
25.0	19.30	26.50	35.10	45.40	57.60	71.70	88.00	95.20	106.50	117.00	128.00
30.0	17.50	24.30	32.40	42.20	53.60	67.10	82.60	89.40	100.50	110.00	120.50
35.0	15.80	22.10	29.80	39.00	49.80	62.50	77.20	83.70	94.10	103.50	113.50
40.0	14.20	20.10	27.30	35.80	46.00	58.00	71.90	78.00	87.90	96.70	106.00
45.0	12.75	18.25	24.90	32.90	42.40	53.50	66.60	72.40	81.70	90.00	99.00
50.0	11.50	16.50	22.60	30.00	38.80	49.20	61.40	66.80	75.60	83.50	91.90
55.0		14.95	20.50	27.30	35.40	45.00	56.40	61.40	69.60	77.00	84.90
60.0			18.60	24.70	32.10	41.00	51.40	56.10	63.70	70.60	78.00
65.0				22.30	29.00	37.10	46.60	51.00	58.00	64.30	71.20

Cond °C	Power, kW										
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
10.0	7.42	7.87	8.15	8.22	8.04	7.57					
15.0	8.09	8.72	9.21	9.51	9.59	9.41	8.93				
20.0	8.70	9.51	10.20	10.70	11.05	11.15	10.95	10.80	10.45		
25.0	9.25	10.20	11.10	11.85	12.40	12.75	12.90	12.85	12.70	12.50	12.20
30.0	9.73	10.85	11.90	12.85	13.65	14.30	14.70	14.80	14.85	14.80	14.65
35.0	10.15	11.40	12.65	13.80	14.80	15.70	16.35	16.60	16.80	16.95	17.00
40.0	10.50	11.90	13.30	14.65	15.90	17.00	17.95	18.25	18.65	18.95	19.15
45.0	10.80	12.35	13.90	15.40	16.85	18.20	19.40	19.80	20.40	20.80	21.20
50.0	11.05	12.70	14.40	16.05	17.70	19.25	20.70	21.20	22.00	22.60	23.10
55.0		13.00	14.80	16.65	18.45	20.20	21.90	22.60	23.50	24.20	24.90
60.0			15.15	17.15	19.15	21.10	23.00	23.80	24.80	25.70	26.50
65.0				17.55	19.70	21.90	24.00	24.80	26.10	27.00	28.00

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	15.0
10.0	19.34	19.42	19.35	19.13	18.75	18.21					
15.0	20.07	20.48	20.75	20.86	20.81	20.61	20.26				
20.0	20.69	21.44	22.04	22.49	22.78	22.92	22.90	22.85	22.73		
25.0	21.22	22.30	23.24	24.02	24.65	25.12	25.44	25.52	25.60	25.63	25.62
30.0	21.64	23.07	24.34	25.45	26.42	27.22	27.88	28.10	28.38	28.57	28.73
35.0	21.97	23.73	25.33	26.78	28.08	29.23	30.22	30.57	31.05	31.42	31.74
40.0	22.19	24.29	26.23	28.02	29.65	31.13	32.46	32.95	33.63	34.16	34.65
45.0	22.32	24.75	27.03	29.15	31.12	32.94	34.60	35.22	36.11	36.80	37.46
50.0	22.34	25.11	27.72	30.18	32.49	34.64	36.64	37.39	38.48	39.35	40.17
55.0		25.37	28.32	31.12	33.76	36.25	38.58	39.47	40.76	41.79	42.78
60.0			28.82	31.95	34.93	37.75	40.42	41.44	42.93	44.13	45.30
65.0				32.68	36.00	39.15	42.16	43.32	45.01	46.38	47.71

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	15.0
10.0	127.50	167.00	214.00	268.00	332.00	404.00					
15.0	121.50	161.00	207.00	261.00	324.00	395.00	477.00				
20.0	116.00	154.50	200.00	254.00	316.00	387.00	467.00	502.00	558.00		
25.0	110.00	148.00	193.50	246.00	307.00	378.00	457.00	492.00	547.00	596.00	648.00
30.0	104.00	142.00	186.50	239.00	299.00	368.00	447.00	481.00	536.00	585.00	636.00
35.0	98.60	135.50	179.50	231.00	290.00	359.00	437.00	471.00	525.00	573.00	624.00
40.0	93.50	130.00	173.00	223.00	282.00	349.00	426.00	460.00	513.00	561.00	611.00
45.0	88.90	124.50	166.50	216.00	273.00	339.00	415.00	449.00	502.00	549.00	599.00
50.0	85.20	120.00	160.50	209.00	265.00	330.00	405.00	438.00	490.00	537.00	587.00
55.0		116.00	155.50	202.00	257.00	321.00	395.00	427.00	479.00	525.00	575.00
60.0			152.00	197.00	251.00	313.00	385.00	417.00	469.00	514.00	563.00
65.0				193.50	245.00	306.00	377.00	409.00	459.00	505.00	553.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	6
Displacement @ 50 Hz, m³/h	84.0
Bore/Stroke, mm	63.5/50.8
Length/Width, mm	740/540
Height, mm	490
Net Weight, kg	214
Gross Weight, kg	230
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	75
Sound Power, dBA	86
High Side PS gauge, bar	32.5
Low Side PS gauge, bar	22.5
Refrigerant's GWP	1774
Refrigerant's classification	A1

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

Maximum Operating Current, A	52
Locked Rotor Current, A	218
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Mounting Springs	4
Oil Pressure Switch	OPS2 Sensor

ACCESSORIES OPTIONAL

Crankcase Heater	100 W Internal
Unloaded start	Available
Enclosure Class	IP 56
Check Valve	For unloaded start operation
Capacity Control	Capacity Steps 66/33%
Adapter Kit	For Parallel Operation
Oil Control System	ALCO Trax-Oil OM3
Additional Cooling	70 W Vertical Air Flow Fan
Discharge Temperature Protection	Head PTC sensor
Oil Pressure Switch	OPS2 Electronic Switch
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
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