



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	30.00	37.90	47.50						
15.0	28.10	35.70	44.80	55.70					
20.0	26.20	33.50	42.20	52.50	64.70				
25.0	24.30	31.20	39.50	49.40	61.00	74.50			
30.0	22.50	29.00	36.90	46.20	57.30	70.10	75.80	85.00	93.20
35.0	20.60	26.80	34.30	43.10	53.50	65.80	71.20	79.90	87.80
40.0	18.75	24.60	31.60	40.00	49.90	61.40	66.60	74.90	82.40
45.0	16.95	22.50	29.10	36.90	46.20	57.10	62.00	69.90	77.00
50.0	15.20	20.40	26.50	33.90	42.60	52.80	57.40	64.90	71.60
55.0		18.30	24.00	30.80	39.00	48.60	52.90	59.90	66.30
60.0		16.30	21.60	27.90	35.40	44.40	48.40	55.00	61.00
62.0			20.60	26.70	34.00	42.70	46.60	53.00	58.90

Cond °C	Power, kW								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	8.78	9.32	9.73						
15.0	9.12	9.80	10.35	10.75					
20.0	9.44	10.25	10.95	11.55	11.95				
25.0	9.73	10.65	11.55	12.30	12.95	13.40			
30.0	9.99	11.05	12.10	13.05	13.90	14.55	14.80	15.05	15.20
35.0	10.25	11.40	12.60	13.75	14.80	15.70	16.00	16.45	16.75
40.0	10.45	11.75	13.10	14.45	15.70	16.85	17.25	17.85	18.25
45.0	10.65	12.10	13.60	15.10	16.55	17.95	18.45	19.20	19.75
50.0	10.80	12.40	14.05	15.75	17.40	19.00	19.65	20.50	21.20
55.0		12.70	14.50	16.35	18.25	20.10	20.80	21.90	22.70
60.0		12.95	14.90	16.95	19.05	21.10	22.00	23.20	24.20
62.0			15.10	17.20	19.35	21.50	22.40	23.70	24.70

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	19.15	19.45	19.64						
15.0	18.77	19.36	19.87	20.22					
20.0	18.63	19.50	20.32	21.02	21.53				
25.0	18.69	19.83	20.95	21.98	22.86	23.52			
30.0	18.90	20.29	21.71	23.06	24.30	25.35	25.71	26.15	26.43
35.0	19.20	20.84	22.53	24.21	25.80	27.23	27.75	28.45	28.95
40.0	19.54	21.42	23.38	25.37	27.30	29.11	29.78	30.73	31.45
45.0	19.88	21.98	24.21	26.49	28.75	30.92	31.75	32.95	33.88
50.0	20.15	22.48	24.96	27.52	30.10	32.63	33.61	35.04	36.18
55.0		22.86	25.58	28.41	31.31	34.18	35.31	36.97	38.32
60.0		23.07	26.02	29.12	32.31	35.52	36.80	38.68	40.22
62.0			26.13	29.34	32.65	35.99	37.32	39.30	40.91

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	166.00	206.00	253.00						
15.0	162.00	202.00	249.00	303.00					
20.0	157.50	197.00	243.00	298.00	360.00				
25.0	152.50	192.00	238.00	292.00	353.00	424.00			
30.0	147.50	186.50	232.00	285.00	346.00	416.00	447.00	495.00	539.00
35.0	142.00	181.00	226.00	279.00	339.00	408.00	439.00	487.00	530.00
40.0	136.50	175.00	220.00	272.00	331.00	400.00	430.00	478.00	521.00
45.0	130.50	169.00	213.00	264.00	323.00	391.00	421.00	469.00	511.00
50.0	124.50	162.50	206.00	257.00	315.00	382.00	412.00	459.00	501.00
55.0		155.50	199.00	249.00	306.00	373.00	402.00	449.00	491.00
60.0		149.00	191.50	240.00	297.00	363.00	392.00	438.00	480.00
62.0			188.50	237.00	294.00	359.00	388.00	434.00	476.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	6
Displacement @ 50 Hz, m³/h	106
Bore/Stroke, mm	68.3/55.6
Length/Width, mm	760/540
Height, mm	490
Net Weight, kg	205
Gross Weight, kg	221
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)
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	41.9
Locked Rotor Current, A	175
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Mounting Springs	4
Oil Pressure Switch	OPS2 Sensor

ACCESSORIES OPTIONAL

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
Capacity Control	Capacity Steps 66/33%
Enclosure Class	IP 56
Adapter Kit	For Parallel Operation
Oil Pressure Switch	OPS2 Electronic Switch
Oil Control System	ALCO Trax-Oil OM3

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
AWC	208-230 V / 3~ / 60 Hz	230	YYY	Y	2.19
AWX	380 V / 3~ / 60 Hz	380	YYY	Y	1.20
AWD	440-480 V / 3~ / 60 Hz	460	YYY	Y	1.00