



Minimum Evaporating Temp. With:

- 25 °C Suction Gas Return
- 20 K Suction Superheat
- 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
30.0	23.50	29.70	37.50	46.90	58.00	71.00	86.00	92.60	103.00	112.50
35.0	21.50	27.40	34.60	43.40	53.80	66.00	80.20	86.30	96.30	105.00
40.0	19.65	25.10	31.80	40.00	49.80	61.20	74.50	80.30	89.60	98.00
45.0		22.90	29.20	36.80	45.80	56.50	68.90	74.40	83.20	91.10
50.0		20.90	26.60	33.70	42.10	52.00	63.60	68.70	76.90	84.30
55.0			24.20	30.70	38.40	47.60	58.40	63.10	70.90	77.80
60.0			21.80	27.80	34.90	43.30	53.30	57.70	64.90	71.40

Cond °C	Power, kW									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
30.0	9.60	10.75	11.95	13.00	14.00	14.75	15.25	15.35	15.45	15.40
35.0	10.55	11.80	13.10	14.35	15.50	16.50	17.30	17.50	17.80	17.90
40.0	11.50	12.85	14.25	15.65	16.95	18.15	19.20	19.55	19.95	20.20
45.0		13.80	15.30	16.80	18.30	19.70	21.00	21.40	22.00	22.40
50.0		14.75	16.30	17.90	19.55	21.10	22.60	23.10	23.90	24.40
55.0			17.25	18.95	20.70	22.40	24.10	24.70	25.60	26.30
60.0			18.15	19.95	21.80	23.70	25.50	26.20	27.20	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
30.0	22.39	23.86	25.40	26.88	28.21	29.29	30.00	30.16	30.24	30.15
35.0	23.60	25.23	26.98	28.74	30.39	31.85	32.99	33.34	33.72	33.89
40.0	24.83	26.60	28.54	30.54	32.49	34.30	35.85	36.38	37.04	37.47
45.0		27.95	30.05	32.27	34.50	36.64	38.57	39.27	40.20	40.87
50.0		29.27	31.51	33.93	36.41	38.85	41.15	42.00	43.19	44.09
55.0			32.92	35.51	38.22	40.94	43.57	44.57	46.01	47.12
60.0			34.27	37.00	39.91	42.89	45.83	46.97	48.63	49.95

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
30.0	139.50	174.00	216.00	265.00	323.00	390.00	466.00	498.00	550.00	596.00
35.0	134.50	168.00	209.00	257.00	314.00	379.00	453.00	486.00	537.00	582.00
40.0	129.50	162.00	202.00	249.00	305.00	369.00	441.00	473.00	524.00	568.00
45.0		156.50	195.50	242.00	296.00	358.00	430.00	461.00	511.00	555.00
50.0		151.50	189.50	234.00	287.00	349.00	419.00	450.00	499.00	543.00
55.0			183.50	228.00	279.00	340.00	409.00	439.00	488.00	531.00
60.0			178.50	221.00	272.00	331.00	399.00	429.00	477.00	520.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	4
Displacement @ 50 Hz, m ³ /h	84.7
Bore/Stroke, mm	74.7/55.6
Length/Width, mm	690/535
Height, mm	495
Net Weight, kg	214
Gross Weight, kg	230
Suction, inch	2 1/8
Discharge, inch	1 3/8
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	74
Sound Power, dBA	85
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	52.5
Locked Rotor Current, A	221
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
Oil Pressure Switch	OPS2 Electronic Switch
Deep Oil Sump	Mounted
Oil Control System	ALCO Trax-Oil OM3
Additional Cooling	70 W Vertical Air Flow Fan
Crankcase Heater	100 W Internal
Unloaded start	Available
Capacity Control	Capacity Steps 50%
Check Valve	For unloaded start operation

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	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