



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	20.20	25.00	31.70	40.00	50.00	61.50	74.50	80.10	88.90	96.70
35.0	18.95	23.40	29.60	37.50	46.90	57.90	70.30	75.70	84.10	91.50
40.0	17.60	21.70	27.40	34.80	43.80	54.20	66.00	71.10	79.20	86.30
45.0		19.75	25.10	32.00	40.40	50.30	61.50	66.40	74.10	80.90
50.0		17.65	22.50	29.00	36.90	46.20	56.80	61.40	68.80	75.20
55.0			19.70	25.60	33.00	41.70	51.80	56.20	63.10	69.30
60.0			16.50	22.00	28.80	37.00	46.40	50.60	57.10	63.00

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	8.80	9.31	9.92	10.55	11.15	11.60	11.85	11.85	11.80	11.60
35.0	9.59	10.15	10.85	11.65	12.40	13.00	13.45	13.60	13.65	13.65
40.0	10.30	10.90	11.75	12.60	13.50	14.35	15.00	15.20	15.45	15.55
45.0		11.55	12.45	13.50	14.55	15.55	16.45	16.75	17.10	17.35
50.0		12.05	13.05	14.15	15.40	16.55	17.65	18.05	18.60	18.95
55.0			13.40	14.65	16.00	17.40	18.70	19.15	19.85	20.30
60.0			13.45	14.85	16.40	17.95	19.45	20.00	20.90	21.50

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	20.39	20.98	21.76	22.59	23.36	23.96	24.26	24.27	24.15	23.90
35.0	21.35	22.04	22.95	23.96	24.96	25.83	26.45	26.61	26.71	26.66
40.0	22.25	23.03	24.07	25.27	26.51	27.65	28.60	28.89	29.22	29.37
45.0		23.87	25.06	26.45	27.92	29.35	30.62	31.06	31.61	31.97
50.0		24.50	25.84	27.42	29.12	30.84	32.43	33.02	33.80	34.36
55.0			26.31	28.09	30.04	32.04	33.97	34.70	35.72	36.48
60.0			26.41	28.39	30.58	32.87	35.14	36.02	37.27	38.25

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	120.00	146.50	182.00	227.00	279.00	338.00	403.00	431.00	475.00	513.00
35.0	118.50	143.50	178.50	222.00	274.00	332.00	398.00	426.00	469.00	507.00
40.0	116.00	140.00	174.00	217.00	268.00	326.00	391.00	419.00	463.00	501.00
45.0		135.00	168.00	210.00	261.00	319.00	384.00	412.00	455.00	493.00
50.0		128.00	160.00	202.00	252.00	310.00	374.00	402.00	446.00	484.00
55.0			149.50	190.50	240.00	298.00	363.00	391.00	435.00	473.00
60.0			135.00	175.00	225.00	283.00	348.00	376.00	420.00	459.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	4
Displacement @ 50 Hz, m ³ /h	70.8
Bore/Stroke, mm	68.3/55.6
Length/Width, mm	670/535
Height, mm	495
Net Weight, kg	209
Gross Weight, kg	225
Suction, inch	2 1/8
Discharge, inch	1 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
Sound Power, dBA	83
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	41.5
Locked Rotor Current, A	199
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Mounting Springs	4
Oil Pressure Switch	OPS2 Sensor

ACCESSORIES OPTIONAL

Capacity Control	Capacity Steps 50%
Check Valve	For unloaded start operation
Additional Cooling	70 W Vertical Air Flow Fan
Crankcase Heater	100 W Internal
Unloaded start	Available
Deep Oil Sump	Mounted
Enclosure Class	IP 56
Adapter Kit	For Parallel Operation
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
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