



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	3.43	4.84	6.60	8.71	11.20	14.15	17.50	18.95	21.30	23.40
35.0	2.91	4.24	5.90	7.90	10.25	13.05	16.25	17.65	19.90	21.90
40.0	2.41	3.65	5.21	7.10	9.34	11.95	15.00	16.35	18.45	20.40
45.0		3.09	4.54	6.32	8.43	10.90	13.80	15.05	17.05	18.90
50.0		2.54	3.89	5.55	7.53	9.86	12.55	13.75	15.70	17.40
55.0			3.26	4.80	6.64	8.83	11.40	12.50	14.35	15.95
60.0			2.65	4.06	5.78	7.81	10.20	11.25	13.00	14.55

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	1.78	2.01	2.22	2.41	2.55	2.63	2.63	2.61	2.54	2.46
35.0	1.81	2.07	2.32	2.55	2.74	2.89	2.96	2.97	2.96	2.92
40.0	1.82	2.10	2.39	2.67	2.92	3.13	3.27	3.31	3.34	3.35
45.0		2.12	2.45	2.77	3.07	3.34	3.55	3.62	3.71	3.75
50.0		2.13	2.48	2.85	3.20	3.53	3.81	3.91	4.04	4.12
55.0			2.50	2.90	3.30	3.69	4.04	4.17	4.34	4.47
60.0			2.49	2.93	3.38	3.82	4.24	4.40	4.62	4.78

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	4.79	5.04	5.28	5.50	5.67	5.76	5.77	5.74	5.65	5.54
35.0	4.82	5.10	5.39	5.66	5.90	6.08	6.18	6.19	6.17	6.11
40.0	4.83	5.15	5.48	5.81	6.12	6.37	6.56	6.61	6.66	6.66
45.0		5.17	5.55	5.93	6.31	6.64	6.92	7.02	7.12	7.19
50.0		5.17	5.59	6.03	6.47	6.89	7.26	7.39	7.56	7.68
55.0			5.60	6.10	6.61	7.10	7.56	7.73	7.97	8.14
60.0			5.58	6.14	6.71	7.28	7.84	8.05	8.34	8.57

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	20.40	28.30	38.00	49.30	62.50	77.60	94.60	102.00	113.50	124.00
35.0	18.15	26.00	35.60	46.80	59.90	74.90	91.80	99.20	111.00	121.00
40.0	15.85	23.60	33.00	44.20	57.20	72.10	88.90	96.20	108.00	118.00
45.0		21.10	30.40	41.50	54.40	69.20	86.00	93.20	105.00	115.00
50.0		18.40	27.60	38.60	51.40	66.20	82.90	90.20	102.00	112.00
55.0			24.70	35.60	48.30	63.00	79.70	87.00	98.70	109.00
60.0			21.60	32.40	45.10	59.70	76.50	83.80	95.50	106.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 50 Hz, m ³ /h	16.8
Bore/Stroke, mm	63.6/30.5
Length/Width, mm	590/330
Height, mm	470
Net Weight, kg	132
Gross Weight, kg	141
Rotalock Discharge, inch	7/8
Suction, inch	1 3/8
Drive Frequency Range, Hz	25 - 60
Oil Quantity, l	2.3
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	295 x 279 (14)
Sound Pressure @ 1m, dBA	65
Sound Power, dBA	76
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	9
Locked Rotor Current, A	55
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Mounting Springs	4
Oil Pressure Switch	OPS2 Sensor

ACCESSORIES OPTIONAL

Additional Cooling	70 W Vertical Air Flow Fan
Unloaded start	Available
Deep Oil Sump	Mounted
Crankcase Heater	70 W Internal
Check Valve	For unloaded start operation
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	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
AWX	380 V / 3~ / 60 Hz	380	YYY	Y	1.20
AWD	440-480 V / 3~ / 60 Hz	460	YYY	Y	1.00