



Minimum Evaporating Temp. With:

- █ 25 °C Suction Gas Return
- █ Maximum Evaporating Temperature

Suction Return Temperature 20.0°C

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	8.47	10.85	13.60	16.80	20.50	24.80	29.70	31.90	35.40	38.50
35.0	7.89	10.15	12.80	15.85	19.45	23.50	28.20	30.30	33.70	36.70
40.0	7.31	9.47	12.00	14.95	18.35	22.20	26.70	28.70	31.90	34.80
45.0		8.81	11.20	14.00	17.25	21.00	25.20	27.10	30.10	32.80
50.0		8.16	10.45	13.10	16.15	19.70	23.70	25.50	28.40	30.90
55.0			9.69	12.20	15.10	18.40	22.20	23.90	26.60	29.00
60.0			8.95	11.30	14.00	17.15	20.70	22.30	24.80	27.00
62.0				10.95	13.60	16.65	20.10	21.60	24.10	26.30

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	3.56	3.89	4.18	4.41	4.57	4.65	4.61	4.57	4.46	4.33
35.0	3.73	4.12	4.47	4.77	5.01	5.16	5.22	5.22	5.17	5.10
40.0	3.88	4.33	4.74	5.11	5.42	5.66	5.81	5.84	5.86	5.84
45.0		4.52	4.99	5.43	5.81	6.13	6.37	6.44	6.52	6.55
50.0		4.70	5.23	5.73	6.18	6.58	6.91	7.01	7.15	7.23
55.0			5.46	6.02	6.54	7.01	7.42	7.56	7.75	7.89
60.0			5.68	6.30	6.88	7.43	7.92	8.09	8.34	8.52
62.0				6.41	7.02	7.59	8.11	8.30	8.56	8.76

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	7.94	8.38	8.78	9.10	9.32	9.42	9.37	9.31	9.16	8.98
35.0	8.16	8.69	9.17	9.59	9.93	10.15	10.24	10.23	10.16	10.06
40.0	8.36	8.97	9.55	10.07	10.51	10.86	11.08	11.12	11.15	11.12
45.0		9.24	9.90	10.52	11.08	11.54	11.89	12.00	12.11	12.16
50.0		9.50	10.24	10.96	11.62	12.20	12.68	12.84	13.04	13.16
55.0			10.57	11.38	12.14	12.84	13.45	13.66	13.94	14.14
60.0			10.89	11.79	12.65	13.46	14.19	14.45	14.82	15.09
62.0				11.95	12.85	13.70	14.48	14.76	15.16	15.46

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	45.00	57.70	72.70	90.40	111.00	135.50	163.50	176.00	196.50	215.00
35.0	43.40	56.00	70.90	88.50	109.00	133.00	161.00	173.50	194.00	212.00
40.0	41.70	54.20	69.00	86.40	107.00	130.50	158.50	170.50	191.00	209.00
45.0		52.40	67.10	84.30	104.50	128.00	155.50	168.00	188.00	206.00
50.0		50.60	65.10	82.20	102.00	125.50	152.50	165.00	184.50	203.00
55.0			63.20	80.00	99.80	123.00	149.50	161.50	181.50	199.00
60.0			61.30	77.90	97.40	120.00	147.00	158.50	178.00	195.50
62.0				77.10	96.50	119.00	145.50	157.50	176.50	194.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 50 Hz, m ³ /h	28.0
Bore/Stroke, mm	66.7/46.1
Length/Width, mm	590/330
Height, mm	470
Net Weight, kg	136
Gross Weight, kg	145
Rotalock Discharge, inch	1 1/8
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)
High Side PS gauge, bar	32.5
Low Side PS gauge, bar	22.5
Refrigerant's GWP	1810
Refrigerant's classification	A1

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

Maximum Operating Current, A	16.1
Locked Rotor Current, A	82
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Mounting Springs	4
Oil Pressure Switch	OPS2 Sensor

ACCESSORIES OPTIONAL

Crankcase Heater	70 W Internal
Enclosure Class	IP 56
Check Valve	For unloaded start operation
Adapter Kit	For Parallel Operation
Oil Control System	ALCO Trax-Oil OM3
Additional Cooling	70 W Vertical Air Flow Fan
Oil Pressure Switch	OPS2 Electronic Switch
Unloaded start	Available
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	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