



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	6.51	8.59	11.05	13.85	17.15	20.90	25.30	27.20	30.30	33.10
35.0	5.96	7.97	10.30	13.05	16.20	19.80	24.00	25.80	28.80	31.50
40.0	5.44	7.35	9.60	12.20	15.20	18.70	22.70	24.50	27.30	29.80
45.0		6.76	8.91	11.40	14.30	17.60	21.40	23.10	25.80	28.20
50.0		6.20	8.24	10.60	13.35	16.50	20.10	21.70	24.30	26.60
55.0			7.60	9.85	12.45	15.45	18.85	20.40	22.80	24.90
60.0			7.00	9.13	11.60	14.40	17.60	19.05	21.30	23.30
62.0				8.85	11.25	14.00	17.15	18.50	20.70	22.70

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	2.85	3.18	3.47	3.70	3.87	3.96	3.96	3.93	3.85	3.74
35.0	2.95	3.33	3.67	3.97	4.21	4.38	4.46	4.46	4.43	4.38
40.0	3.02	3.46	3.86	4.22	4.53	4.77	4.93	4.97	4.99	4.98
45.0		3.58	4.04	4.46	4.83	5.14	5.38	5.45	5.53	5.57
50.0		3.69	4.20	4.68	5.11	5.49	5.81	5.91	6.04	6.12
55.0			4.35	4.89	5.39	5.83	6.22	6.36	6.54	6.66
60.0			4.51	5.10	5.65	6.17	6.62	6.79	7.01	7.18
62.0				5.18	5.76	6.30	6.78	6.96	7.20	7.38

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	7.03	7.41	7.76	8.05	8.26	8.37	8.37	8.33	8.22	8.09
35.0	7.14	7.59	8.01	8.38	8.68	8.89	9.00	9.00	8.97	8.89
40.0	7.23	7.75	8.24	8.70	9.09	9.40	9.61	9.66	9.70	9.68
45.0		7.89	8.46	9.00	9.48	9.89	10.21	10.30	10.41	10.46
50.0		8.03	8.67	9.28	9.86	10.36	10.79	10.93	11.10	11.21
55.0			8.87	9.56	10.22	10.82	11.35	11.53	11.78	11.95
60.0			9.07	9.84	10.58	11.27	11.90	12.13	12.44	12.67
62.0				9.95	10.72	11.45	12.12	12.36	12.70	12.96

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	34.60	45.80	59.00	74.60	92.90	114.00	139.00	150.00	168.50	184.50
35.0	32.80	44.00	57.10	72.60	90.80	112.00	137.00	148.00	166.00	182.00
40.0	31.00	42.10	55.20	70.60	88.60	109.50	134.50	145.50	163.00	179.50
45.0		40.30	53.30	68.60	86.50	107.50	132.00	143.00	160.50	176.50
50.0		38.50	51.40	66.60	84.40	105.00	129.50	140.50	158.00	174.00
55.0			49.60	64.70	82.30	103.00	127.00	138.00	155.50	171.50
60.0			48.00	62.90	80.40	101.00	125.00	135.50	153.00	168.50
62.0				62.30	79.70	100.00	124.00	134.50	152.00	167.50

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 50 Hz, m ³ /h	23.7
Bore/Stroke, mm	63.6/42.9
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	13.8
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
Adapter Kit	For Parallel Operation
Check Valve	For unloaded start 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