



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	15.85	20.10	25.00	30.70	37.40	45.00	53.80	57.70	64.00	69.60
35.0	14.85	18.90	23.60	29.10	35.40	42.70	51.10	54.80	60.70	66.00
40.0	13.90	17.70	22.20	27.40	33.40	40.30	48.30	51.80	57.40	62.50
45.0		16.55	20.80	25.70	31.40	38.00	45.50	48.90	54.20	58.90
50.0		15.45	19.45	24.10	29.50	35.70	42.80	45.90	50.90	55.40
55.0			18.20	22.50	27.60	33.40	40.00	43.00	47.60	51.80
60.0			16.95	21.00	25.70	31.10	37.30	40.00	44.40	48.30
62.0				20.40	25.00	30.20	36.20	38.90	43.10	46.90

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	6.75	7.31	7.79	8.16	8.41	8.50	8.40	8.30	8.08	7.83
35.0	7.07	7.73	8.32	8.82	9.20	9.45	9.52	9.50	9.40	9.25
40.0	7.37	8.12	8.82	9.44	9.96	10.35	10.60	10.65	10.65	10.60
45.0		8.50	9.30	10.05	10.70	11.25	11.65	11.75	11.90	11.95
50.0		8.87	9.76	10.60	11.40	12.05	12.65	12.80	13.05	13.20
55.0			10.20	11.15	12.05	12.85	13.60	13.85	14.15	14.40
60.0			10.70	11.70	12.70	13.65	14.50	14.85	15.25	15.60
62.0				11.95	13.00	13.95	14.90	15.20	15.70	16.05

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	13.70	14.56	15.30	15.88	16.26	16.40	16.25	16.10	15.75	15.36
35.0	14.19	15.20	16.12	16.90	17.50	17.89	18.01	17.97	17.81	17.57
40.0	14.66	15.82	16.91	17.88	18.70	19.32	19.70	19.78	19.80	19.73
45.0		16.41	17.66	18.82	19.84	20.70	21.34	21.53	21.73	21.81
50.0		16.98	18.39	19.72	20.95	22.03	22.93	23.22	23.59	23.83
55.0			19.11	20.61	22.02	23.32	24.46	24.86	25.40	25.78
60.0			19.83	21.48	23.08	24.58	25.95	26.45	27.14	27.67
62.0				21.84	23.50	25.08	26.53	27.07	27.83	28.41

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	84.10	107.00	134.00	165.50	202.00	245.00	296.00	319.00	355.00	388.00
35.0	81.60	104.00	130.50	162.00	198.50	241.00	291.00	313.00	350.00	382.00
40.0	79.10	101.50	127.50	158.50	194.50	237.00	286.00	308.00	344.00	376.00
45.0		98.60	124.50	155.00	190.50	232.00	281.00	302.00	338.00	370.00
50.0		96.00	121.50	151.50	186.50	227.00	275.00	297.00	331.00	363.00
55.0			118.50	148.00	182.50	223.00	270.00	291.00	325.00	356.00
60.0			116.00	145.00	178.50	218.00	264.00	285.00	319.00	349.00
62.0				143.50	177.00	216.00	262.00	283.00	316.00	346.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	3
Displacement @ 50 Hz, m ³ /h	49.9
Bore/Stroke, mm	61.9/63.5
Length/Width, mm	710/370
Height, mm	490
Net Weight, kg	166
Gross Weight, kg	178
Rotalock Discharge, inch	1 1/8
Suction, inch	1 5/8
Drive Frequency Range, Hz	25 - 60
Oil Quantity, l	3.7
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)
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	29
Locked Rotor Current, A	128
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Mounting Springs	4
Oil Pressure Switch	OPS2 Sensor

ACCESSORIES OPTIONAL

Check Valve	For unloaded start operation
Additional Cooling	70 W Vertical Air Flow Fan
Unloaded start	Available
Deep Oil Sump	Mounted
Capacity Control	Moduload
Crankcase Heater	70 W Internal
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