



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	36.10	47.50	62.10	79.90	101.00	126.00	154.00	166.50	186.00	203.00
35.0	33.20	43.80	57.40	74.20	94.10	117.50	144.00	156.00	174.50	191.00
40.0	30.20	40.00	52.60	68.30	87.10	109.00	134.50	145.50	163.50	179.00
45.0	27.10	36.10	47.90	62.50	80.00	100.50	124.50	135.00	152.00	167.00
50.0		32.40	43.20	56.80	73.20	92.50	115.00	125.00	141.00	155.00
55.0			38.80	51.30	66.50	84.50	105.50	115.00	130.00	143.50
60.0			34.70	46.10	60.10	76.80	96.50	105.00	119.00	132.00

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	17.55	19.40	21.30	23.00	24.40	25.30	25.60	25.60	25.20	24.70
35.0	18.65	20.70	22.80	24.80	26.60	27.90	28.80	28.90	28.90	28.70
40.0	19.80	22.00	24.30	26.60	28.70	30.50	31.80	32.20	32.50	32.60
45.0	20.90	23.20	25.70	28.30	30.70	32.90	34.60	35.20	35.90	36.20
50.0		24.40	27.00	29.80	32.50	35.10	37.30	38.00	39.00	39.60
55.0			28.20	31.10	34.10	37.00	39.60	40.50	41.80	42.70
60.0			29.10	32.20	35.50	38.60	41.60	42.70	44.20	45.40

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	46.21	48.34	50.55	52.62	54.35	55.53	55.93	55.82	55.34	54.61
35.0	47.59	49.94	52.47	54.97	57.21	58.99	60.08	60.29	60.29	59.99
40.0	48.94	51.50	54.33	57.22	59.95	62.31	64.08	64.58	65.06	65.18
45.0	50.25	52.99	56.09	59.35	62.54	65.46	67.88	68.67	69.60	70.13
50.0		54.36	57.72	61.32	64.95	68.39	71.45	72.51	73.89	74.82
55.0			59.17	63.09	67.13	71.09	74.74	76.07	77.88	79.19
60.0			60.41	64.62	69.06	73.50	77.73	79.32	81.55	83.23

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	215.00	278.00	357.00	452.00	563.00	691.00	834.00	895.00	993.00	1079.00
35.0	207.00	269.00	346.00	439.00	549.00	674.00	816.00	877.00	974.00	1059.00
40.0	198.50	258.00	334.00	425.00	533.00	657.00	797.00	858.00	954.00	1038.00
45.0	189.00	247.00	320.00	410.00	516.00	639.00	778.00	838.00	933.00	1018.00
50.0		235.00	307.00	395.00	500.00	621.00	758.00	818.00	913.00	997.00
55.0			294.00	381.00	484.00	603.00	740.00	799.00	894.00	978.00
60.0			283.00	368.00	469.00	587.00	723.00	782.00	877.00	961.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	8
Displacement @ 50 Hz, m ³ /h	151
Bore/Stroke, mm	68.3/59.3
Length/Width, mm	835/475
Height, mm	610
Net Weight, kg	330
Gross Weight, kg	351
Suction, inch	2 5/8
Discharge, inch	1 5/8
Drive Frequency Range, Hz	25 - 60
Oil Quantity, l	7.6
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	457 x 305 (18)
Sound Pressure @ 1m, dBA	79
Sound Power, dBA	90
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	88.2
Locked Rotor Current, A	458
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Mounting Springs	4
Deep Oil Sump	Mounted
Oil Pressure Switch	OPS2 Sensor

ACCESSORIES OPTIONAL

Additional Cooling	70 W Vertical Air Flow Fan
Unloaded start	Available
Capacity Control	Capacity Steps 75/50%
Oil Pressure Switch	OPS2 Electronic Switch
Oil Control System	ALCO Trax-Oil OM3
Enclosure Class	IP 56
Adapter Kit	For Parallel Operation
Crankcase Heater	200 W Internal
Check Valve	For unloaded start operation

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
AWR	220-240 V / 3~ / 50 Hz	230	YYY	Y	1.73
AWY	500-550 V / 3~ / 50 Hz	525	YYY	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	YYY	Y	2.19
AWX	380 V / 3~ / 60 Hz	380	YYY	Y	1.20
AWD	440-480 V / 3~ / 60 Hz	460	YYY	Y	1.00