



Minimum Evaporating Temp. With:

- 25 °C Suction Gas Return
- 25 °C Suction Gas Return with add cooling
- Maximum Evaporating Temperature

Suction Return Temperature 20.0°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW									
	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
20.0	36.40	46.70	59.60	75.20	93.70	115.00	140.00	168.00	200.00	214.00
25.0	33.70	43.50	55.70	70.50	87.90	108.00	131.50	158.00	188.00	201.00
30.0	31.00	40.30	51.80	65.60	81.90	101.00	123.00	147.50	175.50	188.00
35.0	28.20	37.00	47.70	60.60	75.80	93.50	114.00	137.00	163.00	174.50
40.0		33.70	43.60	55.60	69.60	85.90	105.00	126.00	150.50	161.00
45.0		30.30	39.50	50.40	63.30	78.20	95.50	115.00	137.50	147.00
50.0		27.00	35.30	45.10	56.80	70.40	86.00	104.00	124.50	133.00
55.0		23.60	31.00	39.80	50.20	62.30	76.40	92.50	111.00	119.00

Cond °C	Power, kW									
	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
20.0	18.05	20.20	22.10	23.80	25.10	25.90	26.20	25.90	24.90	24.30
25.0	18.65	21.10	23.30	25.40	27.10	28.40	29.30	29.60	29.20	28.80
30.0	19.15	21.80	24.40	26.80	28.90	30.70	32.10	32.90	33.10	33.00
35.0	19.50	22.40	25.30	28.00	30.50	32.80	34.60	35.90	36.70	36.90
40.0		23.00	26.10	29.10	32.00	34.60	36.90	38.70	40.10	40.50
45.0		23.40	26.80	30.10	33.30	36.30	39.00	41.30	43.20	43.80
50.0		23.90	27.40	31.00	34.50	37.80	40.90	43.70	46.10	46.90
55.0		24.30	28.00	31.80	35.60	39.30	42.70	45.90	48.70	49.70

Cond °C	Current at 400 V, A									
	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
20.0	51.17	53.17	55.12	56.89	58.33	59.29	59.65	59.25	57.97	57.17
25.0	51.73	54.04	56.37	58.58	60.53	62.09	63.11	63.46	62.99	62.54
30.0	52.21	54.80	57.49	60.13	62.59	64.73	66.41	67.48	67.80	67.69
35.0	52.60	55.46	58.49	61.56	64.51	67.22	69.53	71.31	72.42	72.65
40.0		56.03	59.39	62.86	66.30	69.55	72.49	74.97	76.86	77.41
45.0		56.51	60.20	64.06	67.96	71.75	75.30	78.47	81.11	81.99
50.0		56.92	60.91	65.15	69.50	73.82	77.97	81.81	85.20	86.39
55.0		57.27	61.55	66.15	70.94	75.77	80.51	85.00	89.12	90.63

Cond °C	Suction Mass Flow, g/s									
	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
20.0	221.00	285.00	365.00	464.00	581.00	720.00	883.00	1072.00	1290.00	1386.00
25.0	215.00	278.00	358.00	455.00	572.00	709.00	871.00	1058.00	1275.00	1371.00
30.0	208.00	271.00	350.00	446.00	561.00	697.00	857.00	1042.00	1258.00	1353.00
35.0	200.00	263.00	341.00	436.00	549.00	684.00	841.00	1025.00	1239.00	1334.00
40.0		254.00	331.00	425.00	536.00	668.00	824.00	1006.00	1218.00	1313.00
45.0		245.00	320.00	412.00	521.00	651.00	805.00	984.00	1195.00	1290.00
50.0		234.00	308.00	398.00	505.00	633.00	784.00	961.00	1171.00	1265.00
55.0		223.00	296.00	383.00	488.00	613.00	761.00	937.00	1146.00	1240.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	8
Displacement @ 50 Hz, m ³ /h	151
Bore/Stroke, mm	68.3/59.2
Length/Width, mm	835/467
Height, mm	610
Net Weight, kg	326
Gross Weight, kg	347
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	77
Sound Power, dBA	88
High Side PS gauge, bar	32.5
Low Side PS gauge, bar	22.5
Refrigerant's GWP	3922
Refrigerant's classification	A1

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

Maximum Operating Current, A	95.2
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

Unloaded start	Available
Crankcase Heater	200 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
Capacity Control	Capacity Steps 75/50%
Discharge Temperature Protection	Head PTC sensor
Oil Pressure Switch	OPS2 Electronic Switch

MOTOR OPTIONS

Motor Code	Power Supply	Nominal Voltage, V	Start Connection	DOL Connection	Amps Factor
AWM	380-420 V / 3~ / 50 Hz	400	YY/Y	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	YY/Y	Y	1.73
AWY	500-550 V / 3~ / 50 Hz	525	YY/Y	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	YY/Y	Y	2.19
AWX	380 V / 3~ / 60 Hz	380	YY/Y	Y	1.20
AWD	440-480 V / 3~ / 60 Hz	460	YY/Y	Y	1.00