



Minimum Evaporating Temp. With:

- 25 °C Suction Gas Return
- Maximum Evaporating Temperature

Suction Superheat 10.0K

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	35.30	45.30	57.50						
15.0	33.20	43.00	54.80	68.80					
20.0	31.10	40.50	51.90	65.40	81.20				
25.0	28.80	38.00	48.90	61.80	77.10	94.80			
30.0	26.60	35.40	45.80	58.20	72.80	89.70	97.20	109.50	120.00
35.0	24.30	32.70	42.70	54.50	68.40	84.60	91.70	103.50	113.50
40.0	22.10	30.10	39.50	50.70	63.90	79.30	86.10	97.20	107.00
45.0	19.90	27.40	36.40	46.90	59.40	74.00	80.50	91.00	100.50
50.0	17.75	24.80	33.20	43.10	54.80	68.60	74.70	84.70	93.60
55.0	15.70	22.30	30.10	39.30	50.30	63.20	69.00	78.30	86.80
60.0	13.80	19.85	27.00	35.60	45.70	57.80	63.20	72.00	79.90
62.0			25.90	34.10	43.90	55.60	60.90	69.40	77.20

Cond °C	Power, kW								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	9.26	9.91	10.35						
15.0	9.91	10.75	11.45	11.85					
20.0	10.50	11.55	12.50	13.20	13.60				
25.0	11.05	12.30	13.45	14.40	15.15	15.60			
30.0	11.50	12.95	14.35	15.55	16.55	17.35	17.55	17.80	17.90
35.0	11.95	13.60	15.15	16.60	17.90	19.00	19.35	19.80	20.10
40.0	12.30	14.10	15.90	17.60	19.15	20.50	21.00	21.70	22.10
45.0	12.65	14.60	16.55	18.50	20.30	22.00	22.60	23.50	24.10
50.0	12.90	15.00	17.15	19.30	21.40	23.30	24.10	25.10	25.90
55.0	13.05	15.30	17.65	20.00	22.30	24.60	25.40	26.70	27.70
60.0	13.20	15.55	18.05	20.60	23.20	25.70	26.70	28.10	29.20
62.0			18.20	20.80	23.50	26.10	27.10	28.60	29.80

Cond °C	Current at 400 V, A								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	24.94	25.48	25.79						
15.0	25.40	26.20	26.82	27.17					
20.0	25.86	26.91	27.83	28.54	28.94				
25.0	26.30	27.59	28.81	29.87	30.68	31.15			
30.0	26.71	28.24	29.76	31.17	32.37	33.29	33.56	33.83	33.92
35.0	27.10	28.86	30.66	32.41	34.01	35.37	35.83	36.41	36.77
40.0	27.45	29.43	31.51	33.59	35.57	37.38	38.03	38.91	39.54
45.0	27.75	29.95	32.30	34.70	37.07	39.31	40.15	41.32	42.22
50.0	28.01	30.42	33.03	35.75	38.48	41.15	42.17	43.64	44.80
55.0	28.20	30.82	33.68	36.71	39.81	42.89	44.10	45.86	47.28
60.0	28.33	31.14	34.25	37.59	41.04	44.54	45.92	47.97	49.64
62.0			34.46	37.91	41.51	45.16	46.62	48.78	50.55

Cond °C	Suction Mass Flow, g/s								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	195.00	246.00	307.00						
15.0	191.00	243.00	304.00	375.00					
20.0	186.50	238.00	299.00	370.00	452.00				
25.0	181.00	233.00	294.00	365.00	447.00	539.00			
30.0	174.50	227.00	288.00	359.00	440.00	533.00	573.00	637.00	694.00
35.0	168.00	221.00	282.00	352.00	433.00	525.00	565.00	629.00	686.00
40.0	161.00	214.00	275.00	345.00	425.00	516.00	556.00	620.00	677.00
45.0	153.00	206.00	267.00	336.00	416.00	507.00	547.00	610.00	666.00
50.0	145.50	198.00	258.00	327.00	406.00	496.00	536.00	599.00	655.00
55.0	137.50	190.00	249.00	317.00	395.00	485.00	524.00	587.00	643.00
60.0	130.00	181.50	240.00	307.00	384.00	472.00	511.00	574.00	629.00
62.0			236.00	303.00	379.00	467.00	506.00	568.00	624.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	6
Displacement @ 50 Hz, m³/h	127
Bore/Stroke, mm	74.7/55.6
Length/Width, mm	740/540
Height, mm	545
Net Weight, kg	252
Gross Weight, kg	268
Rotalock Discharge, inch	1 3/8
Suction, inch	2 1/8
Drive Frequency Range, Hz	25 - 60
Oil Quantity, l	6.8
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	1430
Refrigerant's classification	A1

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

Maximum Operating Current, A	62.9
Locked Rotor Current, A	255
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

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

ACCESSORIES OPTIONAL

Capacity Control	Capacity Steps 66/33%
Enclosure Class	IP 56
Adapter Kit	For Parallel Operation
Crankcase Heater	200 W Internal
Check Valve	For unloaded start operation
Oil Pressure Switch	OPS2 Electronic Switch
Oil Control System	ALCO Trax-Oil OM3
Additional Cooling	70 W Vertical Air Flow Fan
Discharge Temperature Protection	Head PTC sensor
Unloaded start	Available

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