



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	24.70	31.50	39.80						
15.0	23.10	29.60	37.50	46.90					
20.0	21.40	27.70	35.30	44.30	54.80				
25.0	19.70	25.70	33.00	41.60	51.60	63.40			
30.0	18.00	23.80	30.70	38.80	48.40	59.60	64.60	72.50	79.70
35.0	16.30	21.80	28.40	36.10	45.20	55.90	60.60	68.20	75.00
40.0	14.65	19.85	26.10	33.40	42.00	52.10	56.60	63.80	70.30
45.0	13.05	17.95	23.80	30.70	38.90	48.40	52.60	59.50	65.60
50.0	11.45	16.10	21.60	28.00	35.70	44.70	48.70	55.10	61.00
55.0	9.99	14.30	19.40	25.40	32.60	41.00	44.70	50.80	56.30
60.0	8.60	12.60	17.30	22.90	29.50	37.30	40.80	46.60	51.70
62.0			16.45	21.90	28.30	35.90	39.30	44.90	49.90

Cond °C	Power, kW								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	6.02	6.43	6.69						
15.0	6.47	7.02	7.44	7.70					
20.0	6.86	7.54	8.13	8.57	8.83				
25.0	7.19	8.01	8.74	9.36	9.82	10.10			
30.0	7.48	8.41	9.29	10.05	10.70	11.20	11.35	11.45	11.50
35.0	7.72	8.77	9.78	10.70	11.55	12.25	12.45	12.70	12.90
40.0	7.92	9.07	10.20	11.30	12.30	13.20	13.50	13.90	14.15
45.0	8.08	9.33	10.60	11.80	13.00	14.05	14.45	14.95	15.35
50.0	8.20	9.54	10.90	12.30	13.60	14.85	15.30	15.95	16.45
55.0	8.30	9.72	11.20	12.70	14.15	15.55	16.10	16.90	17.50
60.0	8.37	9.86	11.45	13.05	14.65	16.25	16.85	17.75	18.45
62.0			11.50	13.15	14.85	16.45	17.10	18.05	18.80

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	15.65	15.73	15.77						
15.0	15.99	16.31	16.61	16.80					
20.0	16.30	16.83	17.38	17.85	18.15				
25.0	16.58	17.32	18.10	18.83	19.41	19.75			
30.0	16.82	17.76	18.76	19.73	20.58	21.22	21.40	21.56	21.59
35.0	17.04	18.15	19.35	20.56	21.67	22.59	22.89	23.24	23.43
40.0	17.23	18.50	19.89	21.31	22.67	23.86	24.27	24.80	25.15
45.0	17.39	18.81	20.38	22.00	23.58	25.02	25.54	26.25	26.74
50.0	17.52	19.07	20.80	22.61	24.40	26.09	26.71	27.57	28.21
55.0	17.62	19.30	21.17	23.15	25.14	27.05	27.77	28.79	29.56
60.0	17.70	19.47	21.48	23.61	25.79	27.91	28.72	29.89	30.79
62.0			21.59	23.78	26.02	28.23	29.07	30.29	31.25

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	136.50	171.50	212.00						
15.0	132.50	167.50	208.00	256.00					
20.0	128.50	163.00	204.00	251.00	305.00				
25.0	123.50	158.00	198.50	245.00	299.00	361.00			
30.0	118.00	153.00	193.00	240.00	293.00	354.00	381.00	423.00	460.00
35.0	112.50	147.00	187.00	234.00	287.00	347.00	373.00	415.00	452.00
40.0	106.50	141.00	181.00	227.00	280.00	339.00	366.00	407.00	444.00
45.0	100.50	135.00	174.50	220.00	272.00	331.00	357.00	399.00	436.00
50.0	94.00	128.50	167.50	213.00	264.00	323.00	349.00	390.00	427.00
55.0	87.50	121.50	160.50	205.00	256.00	314.00	340.00	381.00	417.00
60.0	81.10	115.00	153.50	197.50	248.00	305.00	331.00	371.00	407.00
62.0			150.50	194.00	244.00	302.00	327.00	367.00	404.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	6
Displacement @ 50 Hz, m³/h	84.0
Bore/Stroke, mm	63.5/50.8
Length/Width, mm	740/540
Height, mm	490
Net Weight, kg	212
Gross Weight, kg	228
Rotalock Discharge, inch	1 3/8
Suction, inch	2 1/8
Drive Frequency Range, Hz	25 - 60
Oil Quantity, l	3.3
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	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	38.4
Locked Rotor Current, A	175
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Mounting Springs	4
Oil Pressure Switch	OPS2 Sensor

ACCESSORIES OPTIONAL

Unloaded start	Available
Additional Cooling	70 W Vertical Air Flow Fan
Crankcase Heater	100 W Internal
Discharge Temperature Protection	Head PTC sensor
Oil Pressure Switch	OPS2 Electronic Switch
Deep Oil Sump	Mounted
Capacity Control	Capacity Steps 66/33%
Adapter Kit	For Parallel Operation
Oil Control System	ALCO Trax-Oil OM3
Enclosure Class	IP 56
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