



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	31.50	40.20	50.60						
15.0	29.40	37.80	47.90	59.80					
20.0	27.40	35.50	45.10	56.50	70.00				
25.0	25.40	33.10	42.30	53.30	66.10	81.10			
30.0	23.50	30.80	39.60	50.00	62.30	76.50	82.80	93.00	102.00
35.0	21.60	28.60	36.90	46.80	58.40	72.00	78.00	87.80	96.50
40.0	19.75	26.40	34.30	43.60	54.70	67.60	73.30	82.50	90.90
45.0	18.00	24.30	31.70	40.50	50.90	63.10	68.60	77.30	85.30
50.0	16.35	22.30	29.20	37.50	47.30	58.80	63.90	72.20	79.70
55.0	14.80	20.30	26.80	34.50	43.70	54.50	59.30	67.10	74.30
60.0	13.35	18.45	24.50	31.60	40.10	50.20	54.80	62.10	68.80
62.0			23.60	30.50	38.80	48.60	53.00	60.10	66.70

Cond °C	Power, kW								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	7.22	7.53	7.63						
15.0	7.78	8.26	8.56	8.64					
20.0	8.30	8.94	9.44	9.73	9.78				
25.0	8.78	9.58	10.25	10.75	11.05	11.10			
30.0	9.24	10.20	11.05	11.75	12.25	12.55	12.60	12.55	12.45
35.0	9.66	10.75	11.80	12.70	13.45	13.95	14.10	14.25	14.25
40.0	10.05	11.30	12.50	13.60	14.55	15.35	15.60	15.90	16.05
45.0	10.45	11.80	13.15	14.45	15.60	16.65	17.00	17.45	17.80
50.0	10.85	12.35	13.85	15.30	16.65	17.90	18.35	19.00	19.45
55.0	11.25	12.85	14.45	16.10	17.70	19.15	19.70	20.50	21.10
60.0	11.65	13.35	15.10	16.90	18.65	20.40	21.00	21.90	22.70
62.0			15.35	17.20	19.05	20.80	21.50	22.50	23.30

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	19.54	19.85	19.93						
15.0	19.97	20.47	20.79	20.85					
20.0	20.43	21.13	21.68	22.01	22.04				
25.0	20.92	21.80	22.58	23.19	23.54	23.56			
30.0	21.41	22.49	23.50	24.37	25.04	25.41	25.46	25.42	25.27
35.0	21.91	23.17	24.42	25.56	26.54	27.26	27.46	27.66	27.72
40.0	22.40	23.86	25.33	26.75	28.03	29.10	29.46	29.90	30.17
45.0	22.89	24.53	26.23	27.92	29.51	30.93	31.44	32.11	32.59
50.0	23.35	25.19	27.11	29.07	30.96	32.74	33.39	34.31	34.99
55.0	23.80	25.81	27.97	30.19	32.39	34.51	35.32	36.47	37.36
60.0	24.21	26.41	28.79	31.27	33.78	36.25	37.20	38.59	39.70
62.0			29.11	31.69	34.33	36.93	37.95	39.43	40.61

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	174.00	218.00	270.00						
15.0	169.50	213.00	265.00	326.00					
20.0	164.50	209.00	260.00	320.00	389.00				
25.0	159.50	203.00	255.00	315.00	383.00	461.00			
30.0	154.50	198.50	249.00	309.00	377.00	454.00	488.00	542.00	590.00
35.0	149.00	193.00	244.00	303.00	370.00	447.00	481.00	534.00	582.00
40.0	144.00	187.50	238.00	296.00	363.00	440.00	473.00	527.00	574.00
45.0	139.00	182.50	233.00	290.00	357.00	432.00	466.00	519.00	566.00
50.0	134.00	177.50	227.00	284.00	350.00	425.00	458.00	511.00	558.00
55.0	129.50	173.00	222.00	278.00	343.00	418.00	450.00	503.00	550.00
60.0	125.50	168.50	217.00	273.00	337.00	411.00	443.00	495.00	542.00
62.0			216.00	271.00	334.00	408.00	440.00	492.00	539.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	6
Displacement @ 50 Hz, m³/h	106
Bore/Stroke, mm	68.3/55.6
Length/Width, mm	740/580
Height, mm	490
Net Weight, kg	242
Gross Weight, kg	258
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)
Sound Pressure @ 1m, dBA	73.5
Sound Power, dBA	84.5
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	53.7
Locked Rotor Current, A	199
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Oil Pressure Switch	OPS2 Sensor
Mounting Springs	4

ACCESSORIES OPTIONAL

Adapter Kit	For Parallel Operation
Enclosure Class	IP 56
Check Valve	For unloaded start operation
Capacity Control	Capacity Steps 66%
Crankcase Heater	100 W Internal
Unloaded start	Available
Additional Cooling	70 W Vertical Air Flow Fan
Oil Pressure Switch	OPS2 Electronic Switch
Deep Oil Sump	Mounted
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	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