



Minimum Evaporating Temp. With:

- 20 K Suction Superheat
- 20 °C Suction Gas Return
- 0 °C Suction Gas Return
- Maximum Evaporating Temperature

Suction Return Temperature 20.0°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW								
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0
10.0	6.13	8.20	10.85	14.15	18.10	22.90	28.50		
15.0	5.76	7.75	10.25	13.40	17.15	21.70	27.00	33.20	
20.0		7.29	9.69	12.65	16.20	20.50	25.50	31.40	38.10
25.0		6.84	9.11	11.90	15.25	19.30	24.00	29.60	36.00
30.0			8.52	11.15	14.30	18.10	22.60	27.80	33.80
35.0			7.94	10.40	13.35	16.90	21.10	26.00	31.60
40.0				9.64	12.40	15.70	19.60	24.20	29.50
45.0				8.89	11.45	14.50	18.15	22.40	27.30
50.0					10.50	13.30	16.65	20.60	25.20
55.0						12.10	15.15	18.80	23.00
60.0						10.90	13.70	17.00	
62.0						10.40	13.10	16.25	

Cond °C	Power, kW								
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0
10.0	2.82	3.19	3.52	3.77	3.94	4.01	3.94		
15.0	2.94	3.37	3.76	4.10	4.36	4.53	4.58	4.49	
20.0		3.52	3.98	4.39	4.74	5.01	5.18	5.22	5.12
25.0		3.64	4.17	4.66	5.10	5.47	5.74	5.91	5.95
30.0			4.33	4.89	5.42	5.89	6.27	6.56	6.73
35.0			4.46	5.10	5.71	6.27	6.77	7.18	7.48
40.0				5.28	5.97	6.63	7.23	7.76	8.19
45.0				5.43	6.20	6.95	7.66	8.30	8.86
50.0					6.41	7.25	8.05	8.81	9.50
55.0						7.51	8.42	9.29	10.10
60.0						7.75	8.75	9.73	
62.0						7.84	8.88	9.90	

Cond °C	Current at 400 V, A								
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0
10.0	8.17	8.52	8.85	9.12	9.31	9.37	9.27		
15.0	8.28	8.68	9.08	9.45	9.74	9.93	9.98	9.86	
20.0		8.83	9.30	9.76	10.16	10.48	10.69	10.74	10.60
25.0		8.96	9.50	10.05	10.57	11.02	11.38	11.60	11.66
30.0			9.68	10.32	10.96	11.54	12.05	12.45	12.70
35.0			9.84	10.58	11.32	12.04	12.71	13.28	13.72
40.0				10.80	11.66	12.52	13.33	14.08	14.72
45.0				11.00	11.97	12.96	13.93	14.85	15.69
50.0					12.25	13.38	14.50	15.60	16.62
55.0						13.75	15.04	16.31	17.53
60.0						14.10	15.53	16.98	
62.0						14.22	15.72	17.24	

Cond °C	Suction Mass Flow, g/s								
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0
10.0	28.50	38.20	50.70	66.30	85.40	108.50	135.50		
15.0	27.80	37.40	49.70	65.00	83.70	106.50	133.00	164.50	
20.0		36.50	48.70	63.70	82.10	104.00	130.50	161.50	198.00
25.0		35.60	47.50	62.30	80.30	102.00	128.00	158.50	194.00
30.0			46.40	60.90	78.50	99.80	125.00	155.00	190.50
35.0			45.10	59.30	76.60	97.50	122.50	152.00	186.50
40.0				57.70	74.60	95.00	119.50	148.50	182.50
45.0				55.90	72.50	92.40	116.50	144.50	178.50
50.0					70.20	89.60	113.00	141.00	174.00
55.0						86.70	109.50	137.00	169.50
60.0						83.60	106.00	133.00	
62.0						82.30	104.50	131.00	

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	3
Displacement @ 50 Hz, m ³ /h	38.0
Bore/Stroke, mm	60.4/50.8
Length/Width, mm	655/370
Height, mm	480
Net Weight, kg	150
Gross Weight, kg	161
Rotalock Discharge, inch	1 1/8
Suction, inch	1 3/8
Drive Frequency Range, Hz	25 - 60
Oil Quantity, l	3.7
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 (MT), dBA	68
Sound Power (MT), dBA	79
Sound Conditions (MT, Temperatures: Evap./Cond./Suction at freq./speed)	-10 / 45 / 20 °C at 50 Hz
High Side PS gauge, bar	32.5
Low Side PS gauge, bar	22.5
Refrigerant's GWP	2107
Refrigerant's classification	A1

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

Maximum Operating Current, A	18.3
Locked Rotor Current, A	82
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Mounting Springs	4
Oil Pressure Switch	OPS2 Sensor

ACCESSORIES OPTIONAL

Check Valve	For unloaded start operation
Capacity Control	Moduload
Crankcase Heater	70 W Internal
Enclosure Class	IP 56
Adapter Kit	For Parallel Operation
Oil Control System	ALCO Trax-Oil OM3
Additional Cooling	70 W Vertical Air Flow Fan
Oil Pressure Switch	OPS2 Electronic Switch
Unloaded start	Available
Deep Oil Sump	Mounted

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
EWY	500-550 V / 3~ / 50 Hz	525	Y/DELTA	DELTA	0.76
AWR	220-240 V / 3~ / 50 Hz	230	YYY	Y	1.73
AWY	500-550 V / 3~ / 50 Hz	525	YYY	Y	0.76
TWY	500-550 V / 3~ / 50 Hz	525		DELTA	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
AWX	380 V / 3~ / 60 Hz	380	YYY	Y	1.20
AWD	440-480 V / 3~ / 60 Hz	460	YYY	Y	1.00