



Minimum Evaporating Temp. With:

- 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									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	10.10	12.75	16.00	19.90						
15.0	9.59	12.20	15.30	19.05	23.40					
20.0	9.07	11.60	14.60	18.15	22.30	27.20				
25.0	8.53	10.95	13.80	17.20	21.20	25.90	31.20	33.60	37.40	
30.0	7.98	10.30	13.05	16.25	20.10	24.50	29.60	31.80	35.40	38.70
35.0	7.42	9.63	12.25	15.30	18.85	23.00	27.90	30.00	33.40	36.50
40.0	6.84	8.95	11.40	14.30	17.65	21.60	26.10	28.10	31.30	34.20
45.0	6.26	8.26	10.55	13.25	16.40	20.10	24.30	26.20	29.20	32.00
50.0		7.55	9.71	12.25	15.15	18.55	22.50	24.30	27.10	29.60
55.0			8.84	11.15	13.85	17.00	20.70	22.30	24.90	27.30
60.0			7.95	10.10	12.55	15.45	18.80	20.30		
62.0			7.59	9.64	12.00	14.80	18.05			

Cond °C	Power, kW									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	2.84	2.95	2.95	2.81						
15.0	3.07	3.26	3.36	3.34	3.15					
20.0	3.27	3.54	3.73	3.81	3.75	3.52				
25.0	3.45	3.78	4.06	4.25	4.30	4.21	3.92	3.75	3.42	
30.0	3.61	4.00	4.36	4.64	4.81	4.84	4.70	4.59	4.36	4.11
35.0	3.75	4.20	4.62	4.99	5.27	5.42	5.43	5.38	5.24	5.07
40.0	3.88	4.37	4.86	5.31	5.69	5.96	6.10	6.11	6.07	5.98
45.0	4.00	4.54	5.08	5.61	6.07	6.46	6.72	6.78	6.83	6.82
50.0		4.69	5.28	5.87	6.43	6.91	7.30	7.41	7.55	7.61
55.0			5.47	6.12	6.76	7.34	7.83	8.00	8.21	8.35
60.0			5.65	6.36	7.06	7.73	8.33	8.55		
62.0			5.72	6.45	7.18	7.88	8.52			

Cond °C	Current at 400 V, A									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	8.60	8.71	8.74	8.64						
15.0	8.81	8.97	9.07	9.07	8.93					
20.0	9.00	9.23	9.41	9.50	9.47	9.27				
25.0	9.19	9.48	9.74	9.93	10.01	9.94	9.67	9.51	9.18	
30.0	9.35	9.72	10.07	10.36	10.55	10.61	10.49	10.38	10.16	9.90
35.0	9.50	9.94	10.37	10.77	11.08	11.27	11.30	11.26	11.13	10.97
40.0	9.62	10.13	10.66	11.16	11.60	11.93	12.11	12.13	12.11	12.03
45.0	9.71	10.30	10.93	11.54	12.10	12.57	12.91	13.00	13.08	13.09
50.0		10.44	11.16	11.89	12.58	13.19	13.69	13.85	14.04	14.14
55.0			11.36	12.21	13.03	13.79	14.45	14.68	14.98	15.18
60.0			11.53	12.49	13.45	14.36	15.19	15.49		
62.0			11.58	12.60	13.61	14.58	15.48			

Cond °C	Suction Mass Flow, g/s									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	47.40	60.20	75.80	94.60						
15.0	46.60	59.40	75.00	93.80	116.00					
20.0	45.70	58.60	74.10	92.70	115.00	141.00				
25.0	44.70	57.60	73.10	91.60	113.50	139.50	170.50	184.00	207.00	
30.0	43.60	56.50	71.90	90.20	112.00	138.00	168.50	182.00	204.00	225.00
35.0	42.30	55.20	70.50	88.70	110.50	136.00	166.00	179.50	202.00	222.00
40.0	40.90	53.80	69.00	87.00	108.50	133.50	163.50	177.00	199.00	219.00
45.0	39.40	52.20	67.30	85.10	106.00	131.00	161.00	174.00	196.00	216.00
50.0		50.50	65.40	82.90	103.50	128.50	158.00	171.00	193.00	213.00
55.0			63.30	80.60	101.00	125.50	154.50	168.00	189.50	209.00
60.0			61.00	78.10	98.20	122.50	151.00	164.00		
62.0			60.10	77.00	97.00	121.00	149.50			

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 50 Hz, m³/h	28.0
Bore/Stroke, mm	66.7/46.1
Length/Width, mm	590/330
Height, mm	470
Net Weight, kg	136
Gross Weight, kg	145
Rotalock Discharge, inch	1 1/8
Suction, inch	1 3/8
Drive Frequency Range, Hz	25 - 60
Oil Quantity, l	2.3
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	295 x 279 (14)
Sound Pressure @ 1m (MT), dBA	66
Sound Power (MT), dBA	77
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	16.1
Locked Rotor Current, A	82
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Mounting Springs	4
Oil Pressure Switch	OPS2 Sensor

ACCESSORIES OPTIONAL

Crankcase Heater	70 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
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	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
EWY	500-550 V / 3~ / 50 Hz	525	Y/DELTA	DELTA	0.76
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
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	YY/Y	Y	1.20
AWD	440-480 V / 3~ / 60 Hz	460	YY/Y	Y	1.00