



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	19.05	24.00	30.10	37.30						
15.0	18.10	22.90	28.70	35.60	43.60					
20.0	17.10	21.70	27.30	33.80	41.50	50.50				
25.0	16.10	20.50	25.80	32.10	39.40	47.90	57.70	62.00	68.90	
30.0	15.10	19.30	24.30	30.30	37.20	45.20	54.50	58.60	65.10	70.90
35.0	14.00	18.05	22.80	28.40	35.00	42.50	51.30	55.10	61.30	66.80
40.0	12.90	16.80	21.30	26.60	32.70	39.80	48.00	51.60	57.40	62.60
45.0	11.75	15.45	19.70	24.60	30.40	37.00	44.70	48.10	53.50	58.40
50.0		14.05	18.05	22.70	28.00	34.20	41.40	44.50	49.60	54.10
55.0			16.35	20.70	25.60	31.30	38.00	40.90	45.60	49.80
60.0			14.60	18.60	23.10	28.40	34.50	37.20		
62.0			13.90	17.75	22.10	27.20	33.10			

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	5.01	5.27	5.40	5.38						
15.0	5.42	5.79	6.04	6.13	6.06					
20.0	5.81	6.29	6.65	6.87	6.93	6.80				
25.0	6.16	6.75	7.24	7.59	7.79	7.81	7.63	7.50	7.22	
30.0	6.47	7.18	7.79	8.28	8.63	8.80	8.79	8.72	8.55	8.34
35.0	6.73	7.56	8.31	8.94	9.44	9.77	9.92	9.92	9.86	9.75
40.0	6.93	7.90	8.78	9.56	10.20	10.70	11.05	11.10	11.15	11.15
45.0	7.08	8.17	9.20	10.15	10.95	11.60	12.10	12.25	12.40	12.50
50.0		8.39	9.56	10.65	11.60	12.45	13.15	13.35	13.65	13.85
55.0			9.86	11.10	12.25	13.30	14.15	14.45	14.85	15.10
60.0			10.10	11.50	12.85	14.05	15.10	15.50		
62.0			10.15	11.65	13.05	14.30	15.45			

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	12.21	12.49	12.65	12.64						
15.0	12.66	13.05	13.33	13.45	13.38					
20.0	13.09	13.61	14.03	14.30	14.39	14.25				
25.0	13.50	14.16	14.74	15.18	15.44	15.49	15.28	15.11	14.76	
30.0	13.87	14.69	15.44	16.06	16.51	16.76	16.76	16.68	16.47	16.20
35.0	14.18	15.18	16.11	16.93	17.59	18.05	18.28	18.29	18.22	18.08
40.0	14.41	15.61	16.74	17.77	18.65	19.35	19.82	19.93	20.02	20.00
45.0	14.55	15.96	17.31	18.57	19.69	20.64	21.36	21.58	21.83	21.95
50.0		16.22	17.80	19.31	20.68	21.89	22.89	23.23	23.64	23.91
55.0			18.20	19.97	21.62	23.11	24.40	24.85	25.45	25.87
60.0			18.50	20.54	22.47	24.26	25.85	26.43		
62.0			18.58	20.73	22.79	24.69	26.42			

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	89.40	113.00	142.00	177.00						
15.0	87.90	111.50	140.50	175.00	216.00					
20.0	86.30	110.00	138.50	173.00	214.00	262.00				
25.0	84.50	108.00	136.50	170.50	211.00	259.00	315.00	340.00	380.00	
30.0	82.40	106.00	134.00	168.00	208.00	255.00	310.00	335.00	375.00	412.00
35.0	80.00	103.50	131.50	165.00	204.00	251.00	306.00	330.00	370.00	407.00
40.0	77.30	101.00	128.50	161.50	201.00	247.00	301.00	325.00	365.00	401.00
45.0	74.10	97.70	125.50	158.00	196.50	242.00	296.00	320.00	359.00	395.00
50.0		94.10	121.50	154.00	192.00	237.00	290.00	314.00	353.00	389.00
55.0			117.00	149.00	186.50	231.00	284.00	308.00	346.00	382.00
60.0			112.00	144.00	181.00	225.00	277.00	301.00		
62.0			110.00	141.50	178.50	222.00	275.00			

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	3
Displacement @ 50 Hz, m³/h	49.9
Bore/Stroke, mm	61.9/63.5
Length/Width, mm	710/370
Height, mm	490
Net Weight, kg	166
Gross Weight, kg	178
Rotalock Discharge, inch	1 1/8
Suction, inch	1 5/8
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	70
Sound Power (MT), dBA	81
Sound Conditions (MT, Temperatures: Evap./Cond./Suction at freq./speed)	-10 / 45 / 20 °C at 50 Hz
Sound Pressure @ 1m (HT), dBA	70
Sound Power (HT), dBA	81
Sound Conditions (HT, Temperatures: Evap./Cond./Suction at freq./speed)	5 / 55 / 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	29
Locked Rotor Current, A	128
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
Additional Cooling	70 W Vertical Air Flow Fan
Unloaded start	Available
Deep Oil Sump	Mounted
Capacity Control	Moduload
Crankcase Heater	70 W Internal
Enclosure Class	IP 56
Adapter Kit	For Parallel Operation
Oil Pressure Switch	OPS2 Electronic Switch
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
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