



Minimum Evaporating Temp. With:

- 25 °C Suction Gas Return
- 20 K Suction Superheat
- 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	11.30	14.40	18.10	22.50	27.70					
15.0	10.55	13.50	17.10	21.30	26.30	32.00				
20.0	9.85	12.65	16.05	20.10	24.80	30.30	36.70	39.50		
25.0	9.16	11.85	15.05	18.90	23.40	28.70	34.80	37.50	41.80	45.70
30.0	8.50	11.05	14.10	17.70	22.00	27.00	32.80	35.40	39.50	43.20
35.0	7.86	10.25	13.15	16.55	20.60	25.40	30.90	33.30	37.30	40.80
40.0		9.50	12.20	15.45	19.30	23.80	29.00	31.30	35.10	38.40
45.0			11.30	14.35	17.95	22.20	27.10	29.30	32.90	36.00
50.0				13.30	16.70	20.70	25.30	27.40	30.70	33.70
55.0				12.30	15.45	19.15	23.50	25.50	28.60	31.40
60.0					14.25	17.70	21.80	23.60	26.50	29.10
62.0					13.80	17.15	21.10	22.80	25.70	28.20

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	3.74	3.90	3.95	3.90	3.72					
15.0	3.94	4.16	4.30	4.35	4.27	4.06				
20.0	4.11	4.40	4.62	4.76	4.79	4.69	4.46	4.32		
25.0	4.25	4.61	4.91	5.14	5.27	5.29	5.19	5.10	4.93	4.75
30.0	4.37	4.79	5.17	5.49	5.73	5.86	5.88	5.86	5.77	5.66
35.0	4.46	4.96	5.42	5.82	6.16	6.41	6.56	6.58	6.58	6.54
40.0		5.10	5.64	6.13	6.57	6.93	7.20	7.28	7.36	7.40
45.0			5.84	6.42	6.96	7.44	7.83	7.96	8.13	8.23
50.0				6.70	7.34	7.92	8.44	8.62	8.87	9.05
55.0				6.96	7.70	8.39	9.03	9.27	9.60	9.84
60.0					8.05	8.85	9.61	9.90	10.30	10.65
62.0					8.18	9.03	9.84	10.15	10.60	10.95

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	9.11	9.08	8.95	8.72	8.39					
15.0	9.34	9.46	9.48	9.40	9.22	8.93				
20.0	9.52	9.80	9.96	10.03	10.00	9.86	9.62	9.50		
25.0	9.67	10.08	10.40	10.62	10.73	10.74	10.65	10.59	10.46	10.33
30.0	9.76	10.33	10.79	11.16	11.42	11.58	11.64	11.63	11.60	11.54
35.0	9.81	10.53	11.14	11.65	12.06	12.37	12.58	12.63	12.68	12.70
40.0		10.68	11.44	12.10	12.66	13.11	13.47	13.58	13.72	13.81
45.0			11.69	12.50	13.21	13.81	14.32	14.49	14.72	14.88
50.0				12.86	13.71	14.47	15.12	15.35	15.67	15.91
55.0				13.17	14.17	15.07	15.87	16.17	16.57	16.88
60.0					14.59	15.64	16.58	16.94	17.43	17.82
62.0					14.74	15.85	16.86	17.23	17.76	18.18

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	53.00	67.80	85.70	107.00	132.50					
15.0	51.00	65.60	83.10	104.00	129.00	158.50				
20.0	49.00	63.30	80.50	101.00	126.00	155.00	189.00	204.00		
25.0	47.10	61.00	78.00	98.30	122.50	151.00	184.50	200.00	224.00	246.00
30.0	45.10	58.80	75.40	95.30	119.00	147.00	180.50	195.50	219.00	241.00
35.0	43.20	56.60	72.80	92.30	115.50	143.50	176.00	191.00	215.00	236.00
40.0		54.40	70.20	89.40	112.00	139.50	171.50	186.00	210.00	231.00
45.0			67.70	86.40	109.00	135.50	167.50	181.50	205.00	226.00
50.0				83.50	105.50	131.50	163.00	177.00	200.00	221.00
55.0				80.70	102.00	128.00	158.50	172.50	195.00	216.00
60.0					99.00	124.00	154.00	168.00	190.00	211.00
62.0					97.70	122.50	152.50	166.00	188.00	209.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	3
Displacement @ 50 Hz, m³/h	32.2
Bore/Stroke, mm	55.6/50.8
Length/Width, mm	655/370
Height, mm	480
Net Weight, kg	159
Gross Weight, kg	174
Suction, inch	1 3/8
Discharge, inch	1 1/8
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)
High Side PS gauge, bar	32.5
Low Side PS gauge, bar	22.5
Refrigerant's GWP	1810
Refrigerant's classification	A1

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

Maximum Operating Current, A	17.9
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
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	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
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