



Minimum Evaporating Temp. With:

- 25 °C Suction Gas Return
- 20 K Suction Superheat
- Maximum Evaporating Temperature

Suction Superheat 10.0K

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
30.0	7.23	9.36	12.05	15.35	19.25	23.80	29.10	31.40	35.10	38.40
35.0	6.59	8.58	11.10	14.20	17.85	22.20	27.20	29.40	32.90	36.00
40.0	5.98	7.82	10.15	13.05	16.50	20.60	25.30	27.40	30.70	33.70
45.0		7.10	9.28	11.95	15.20	19.05	23.50	25.40	28.60	31.40
50.0		6.39	8.41	10.90	13.90	17.50	21.70	23.50	26.50	29.20
55.0			7.56	9.86	12.65	16.00	19.90	21.60	24.40	26.90
60.0			6.72	8.83	11.40	14.50	18.15	19.75	22.40	24.70

Cond °C	Power, kW									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
30.0	3.17	3.50	3.81	4.09	4.32	4.46	4.49	4.46	4.38	4.27
35.0	3.35	3.71	4.07	4.42	4.72	4.95	5.08	5.10	5.10	5.05
40.0	3.53	3.91	4.32	4.72	5.10	5.41	5.65	5.71	5.77	5.79
45.0		4.11	4.56	5.01	5.45	5.85	6.18	6.28	6.41	6.49
50.0		4.30	4.78	5.28	5.78	6.26	6.68	6.82	7.02	7.15
55.0			4.99	5.54	6.10	6.64	7.15	7.33	7.59	7.78
60.0			5.19	5.77	6.39	7.00	7.59	7.81	8.13	8.37

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
30.0	7.40	7.83	8.26	8.65	8.96	9.16	9.20	9.17	9.05	8.89
35.0	7.64	8.12	8.62	9.10	9.52	9.85	10.04	10.07	10.06	9.99
40.0	7.87	8.40	8.96	9.53	10.06	10.51	10.85	10.94	11.03	11.05
45.0		8.67	9.29	9.94	10.57	11.14	11.62	11.78	11.96	12.07
50.0		8.93	9.61	10.33	11.05	11.74	12.35	12.57	12.85	13.05
55.0			9.90	10.69	11.51	12.30	13.05	13.32	13.70	13.97
60.0			10.18	11.04	11.93	12.83	13.70	14.03	14.50	14.85

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
30.0	43.00	54.70	69.30	86.80	107.50	131.00	157.50	169.00	187.50	204.00
35.0	41.20	52.60	66.90	84.00	104.00	127.50	154.00	165.50	183.50	199.50
40.0	39.30	50.50	64.50	81.30	101.00	124.00	150.00	161.50	179.50	195.50
45.0		48.50	62.10	78.60	98.10	120.50	146.50	157.50	175.50	191.50
50.0		46.40	59.70	75.90	95.10	117.50	143.00	154.00	172.00	187.50
55.0			57.30	73.20	92.10	114.00	139.50	150.50	168.00	184.00
60.0			54.90	70.50	89.00	111.00	136.00	147.00	164.50	180.50

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 50 Hz, m ³ /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, dBA	66
Sound Power, dBA	77
High Side PS gauge, bar	32.5
Low Side PS gauge, bar	22.5
Refrigerant's GWP	1774
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	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