



Minimum Evaporating Temp. With:

- 25 °C Suction Gas Return
- Maximum Evaporating Temperature

Suction Superheat 10.0K

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	26.30	33.20	41.30						
15.0	24.50	31.10	38.90	48.10					
20.0	22.70	29.00	36.40	45.20	55.30				
25.0	20.90	26.90	34.00	42.30	52.00	63.10			
30.0	19.15	24.80	31.60	39.50	48.70	59.30	63.90	71.40	78.00
35.0	17.35	22.80	29.20	36.60	45.40	55.40	59.90	67.00	73.30
40.0	15.60	20.80	26.80	33.90	42.10	51.60	55.80	62.60	68.60
45.0	13.95	18.80	24.50	31.10	38.90	47.90	51.90	58.30	64.00
50.0	12.30	16.90	22.20	28.50	35.80	44.20	48.00	54.00	59.50
55.0	10.80	15.05	20.00	25.90	32.70	40.60	44.20	49.80	55.00
60.0	9.33	13.30	17.90	23.30	29.70	37.10	40.40	45.70	50.60
62.0			17.10	22.40	28.50	35.70	38.90	44.10	48.80

Cond °C	Power, kW								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	6.01	6.52	6.88						
15.0	6.48	7.15	7.69	8.06					
20.0	6.91	7.72	8.43	9.00	9.39				
25.0	7.29	8.23	9.10	9.86	10.45	10.85			
30.0	7.63	8.68	9.69	10.60	11.40	12.05	12.25	12.45	12.55
35.0	7.94	9.08	10.20	11.30	12.30	13.15	13.40	13.80	14.00
40.0	8.21	9.44	10.70	11.90	13.10	14.10	14.50	15.00	15.35
45.0	8.46	9.76	11.10	12.45	13.80	15.00	15.45	16.10	16.60
50.0	8.68	10.05	11.45	12.95	14.40	15.80	16.35	17.10	17.70
55.0	8.89	10.30	11.80	13.35	14.95	16.50	17.10	17.95	18.65
60.0	9.07	10.50	12.05	13.70	15.40	17.10	17.75	18.75	19.55
62.0			12.15	13.80	15.55	17.30	18.00	19.05	19.85

Cond °C	Current at 400 V, A								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	14.99	15.56	15.91						
15.0	15.38	16.17	16.81	17.18					
20.0	15.70	16.68	17.59	18.29	18.67				
25.0	15.97	17.13	18.27	19.28	20.04	20.42			
30.0	16.22	17.51	18.87	20.16	21.27	22.07	22.28	22.45	22.44
35.0	16.44	17.86	19.40	20.95	22.38	23.58	23.97	24.42	24.67
40.0	16.67	18.18	19.88	21.66	23.39	24.96	25.51	26.24	26.73
45.0	16.92	18.49	20.33	22.31	24.31	26.22	26.93	27.91	28.64
50.0	17.20	18.81	20.75	22.91	25.17	27.39	28.24	29.46	30.41
55.0	17.53	19.15	21.18	23.49	25.96	28.48	29.47	30.91	32.06
60.0	17.92	19.53	21.61	24.05	26.72	29.50	30.61	32.27	33.61
62.0			21.80	24.28	27.01	29.89	31.05	32.79	34.20

Cond °C	Suction Mass Flow, g/s								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	145.50	180.50	221.00						
15.0	141.50	175.50	216.00	262.00					
20.0	136.50	170.50	210.00	256.00	308.00				
25.0	131.50	165.50	205.00	250.00	301.00	359.00			
30.0	125.50	159.50	199.00	244.00	294.00	352.00	377.00	416.00	451.00
35.0	120.00	153.50	192.50	237.00	287.00	344.00	369.00	408.00	442.00
40.0	113.50	147.50	186.00	230.00	280.00	336.00	361.00	399.00	434.00
45.0	107.50	141.00	179.50	223.00	272.00	328.00	352.00	391.00	425.00
50.0	101.00	134.50	172.50	216.00	265.00	320.00	344.00	382.00	416.00
55.0	94.40	128.00	166.00	209.00	257.00	312.00	335.00	373.00	407.00
60.0	87.90	121.50	159.00	201.00	249.00	303.00	327.00	365.00	398.00
62.0			156.50	198.50	246.00	300.00	324.00	361.00	395.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	4
Displacement @ 50 Hz, m³/h	84.7
Bore/Stroke, mm	74.7/55.6
Length/Width, mm	670/490
Height, mm	495
Net Weight, kg	203
Gross Weight, kg	219
Suction, inch	2 1/8
Discharge, inch	1 3/8
Drive Frequency Range, Hz	25 - 60
Oil Quantity, l	3.3
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	381 x 305 (18)
High Side PS gauge, bar	32.5
Low Side PS gauge, bar	22.5
Refrigerant's GWP	1430
Refrigerant's classification	A1

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

Maximum Operating Current, A	34.8
Locked Rotor Current, A	175
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Mounting Springs	4
Oil Pressure Switch	OPS2 Sensor

ACCESSORIES OPTIONAL

Capacity Control	Capacity Steps 50%
Check Valve	For unloaded start operation
Enclosure Class	IP 56
Adapter Kit	For Parallel Operation
Additional Cooling	70 W Vertical Air Flow Fan
Crankcase Heater	100 W Internal
Discharge Temperature Protection	Head PTC sensor
Unloaded start	Available
Deep Oil Sump	Mounted
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	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
AWC	208-230 V / 3~ / 60 Hz	230	YYY	Y	2.19
AWX	380 V / 3~ / 60 Hz	380	YYY	Y	1.20
AWD	440-480 V / 3~ / 60 Hz	460	YYY	Y	1.00