



Minimum Evaporating Temp. With:

- 25 °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
10.0	18.30	22.50	27.40	33.10					
15.0	17.45	21.40	26.10	31.50	37.80				
20.0	16.60	20.40	24.80	29.90	35.80	42.60			
25.0	15.70	19.30	23.40	28.30	33.90	40.20	47.50		
30.0	14.80	18.15	22.10	26.60	31.80	37.80	44.60	47.60	52.40
35.0	13.85	17.00	20.60	24.80	29.70	35.30	41.70	44.50	49.00
40.0	12.90	15.80	19.15	23.00	27.50	32.70	38.70	41.30	45.40
45.0	11.85	14.55	17.60	21.20	25.30	30.10	35.60	38.00	41.80
50.0		13.25	16.05	19.30	23.00	27.40	32.40	34.60	38.10
55.0		11.95	14.45	17.35	20.70	24.60	29.10	31.10	34.40
60.0			12.80	15.35	18.30	21.80	25.80	27.60	30.50

50 Hz

ZB92KCE-TWD

R404A Dew Point

Cond °C	Power, kW								
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
10.0	4.60	4.78	5.02	5.34					
15.0	5.16	5.31	5.52	5.80	6.17				
20.0	5.77	5.92	6.11	6.34	6.66	7.08			
25.0	6.44	6.60	6.77	6.98	7.25	7.61	8.08		
30.0	7.16	7.33	7.50	7.70	7.94	8.24	8.65	8.84	9.17
35.0	7.92	8.12	8.30	8.49	8.71	8.98	9.32	9.49	9.78
40.0	8.72	8.96	9.16	9.35	9.56	9.80	10.10	10.25	10.50
45.0	9.55	9.84	10.05	10.30	10.50	10.70	11.00	11.10	11.30
50.0		10.75	11.05	11.25	11.50	11.70	11.95	12.05	12.25
55.0		11.70	12.05	12.30	12.55	12.75	13.00	13.10	13.30
60.0			13.05	13.40	13.65	13.90	14.15	14.25	14.40

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
10.0	11.81	12.02	12.30	12.65					
15.0	12.26	12.46	12.72	13.05	13.45				
20.0	12.78	12.97	13.23	13.54	13.92	14.35			
25.0	13.39	13.59	13.83	14.13	14.49	14.90	15.36		
30.0	14.12	14.31	14.55	14.84	15.18	15.57	16.01	16.20	16.49
35.0	14.96	15.15	15.39	15.68	16.01	16.38	16.79	16.97	17.25
40.0	15.94	16.14	16.38	16.66	16.98	17.34	17.74	17.91	18.17
45.0	17.07	17.28	17.52	17.81	18.12	18.47	18.85	19.01	19.27
50.0		18.59	18.84	19.13	19.44	19.78	20.15	20.31	20.55
55.0		20.08	20.34	20.64	20.95	21.29	21.65	21.80	22.03
60.0			22.05	22.35	22.67	23.01	23.36	23.51	23.74

50 Hz

ZB92KCE-TWD

R404A Dew Point

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
10.0	103.00	127.00	155.50	189.50					
15.0	102.50	126.50	155.00	188.50	228.00				
20.0	102.00	125.50	154.00	187.00	226.00	272.00			
25.0	101.00	124.50	152.50	185.50	224.00	269.00	323.00		
30.0	100.00	123.50	151.00	183.50	222.00	267.00	320.00	343.00	382.00
35.0	99.10	122.00	149.50	181.50	219.00	264.00	317.00	340.00	379.00
40.0	97.80	120.50	147.50	179.00	217.00	261.00	313.00	337.00	375.00
45.0	96.40	119.00	145.50	176.50	213.00	257.00	309.00	333.00	371.00
50.0		117.00	143.00	173.50	210.00	253.00	305.00	329.00	368.00
55.0		115.00	140.00	170.50	206.00	249.00	301.00	325.00	364.00
60.0			138.00	167.50	203.00	246.00	299.00	323.00	363.00

### COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m <sup>3</sup> /h	35.6
Length/Width, mm	316/357
Height, mm	532
Net Weight, kg	95
Gross Weight, kg	101
Rotalock Suction, inch	1 3/4
Rotalock Discharge, inch	1 1/4
Oil Quantity, l	4.14
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	220 x 220 (22.4)
Sound Pressure @ 1m (MT), dBA	72
Sound Power (MT), dBA	83
Sound Power with Sound Shell (MT), dBA	70
Sound Conditions (MT, Temperatures: Evap./Cond./Suction at freq./speed)	-10 / 45 / 20 °C at 50 Hz
PED Category	2
Max. Low Side Internal Free Volume, l	15.2
Max. Internal Free Volume, l	20.2
High Side PS gauge, bar	32
Low Side PS gauge, bar	22.6
Low Side TS Max., °C	50
Low Side TS Min., °C	-35
Refrigerant's GWP	3922
Refrigerant's classification	A1

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

Maximum Operating Current, A	25.1
Locked Rotor Current, A	167
Winding Resistance, ohm	0.83
Default Enclosure Class	IP 54 (IEC 34)

**ACCESSORIES INCLUDED**

Discharge Temperature Protection	Internal Thermistor
Mounting Grommets	Standard

**ACCESSORIES OPTIONAL**

Crankcase Heater	49 W External
Mounting Grommets	Hard Mounts for Paralleling
Oil Control System	ALCO Trax-Oil OM3
Sound Attenuation	Sound Shell (10dBA)

**MOTOR OPTIONS**

<b>Motor Code</b>	<b>Power Supply</b>	<b>Nominal Voltage, V</b>	<b>Start Connection</b>	<b>DOL Connection</b>	<b>Amps Factor</b>
TWD	380-420 V / 3~ / 50 Hz	400		Y	1.00
TWD	460 V / 3~ / 60 Hz	460		Y	1.04