



Minimum Evaporating Temp. With:

- 25 °C Suction Gas Return
- 10 K Suction Superheat
- 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	15.0
30.0	7.60	9.81	12.45	15.50	19.00	23.00	24.80	27.50	30.00	32.60
35.0	7.09	9.21	11.75	14.70	18.15	22.10	23.80	26.60	29.00	31.60
40.0	6.61	8.61	11.05	13.90	17.25	21.10	22.80	25.50	27.80	30.40
45.0		8.04	10.30	13.05	16.25	19.95	21.60	24.20	26.60	29.00
50.0			9.61	12.15	15.20	18.75	20.40	22.90	25.20	27.60
55.0				11.30	14.15	17.55	19.05	21.50	23.70	26.10
60.0					13.15	16.30	17.75	20.10	22.20	24.50
65.0					12.15	15.10	16.45	18.65	20.70	22.80
67.0						14.65	15.95	18.10	20.00	22.20

50 Hz

ZR92KRE-TFD

R407C Dew Point

Cond °C	Power, kW									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
30.0	3.73	3.77	3.81	3.86	3.92	4.01	4.05	4.13	4.21	4.30
35.0	4.18	4.25	4.30	4.34	4.38	4.43	4.46	4.51	4.56	4.61
40.0	4.64	4.75	4.82	4.87	4.91	4.94	4.95	4.98	5.01	5.04
45.0		5.27	5.38	5.45	5.50	5.52	5.53	5.54	5.56	5.57
50.0			5.97	6.08	6.15	6.18	6.19	6.20	6.20	6.20
55.0				6.75	6.86	6.92	6.93	6.94	6.94	6.94
60.0					7.62	7.72	7.74	7.77	7.77	7.77
65.0					8.44	8.59	8.63	8.67	8.69	8.70
67.0						8.96	9.01	9.06	9.09	9.10

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	15.0
30.0	7.56	7.64	7.72	7.81	7.90	8.00	8.04	8.10	8.16	8.21
35.0	7.87	7.96	8.06	8.14	8.23	8.31	8.33	8.38	8.41	8.44
40.0	8.29	8.42	8.53	8.63	8.71	8.77	8.79	8.82	8.83	8.85
45.0		9.01	9.15	9.26	9.35	9.41	9.42	9.44	9.44	9.44
50.0			9.92	10.06	10.16	10.23	10.24	10.25	10.25	10.24
55.0				11.04	11.16	11.24	11.26	11.27	11.26	11.24
60.0					12.36	12.45	12.48	12.49	12.49	12.47
65.0					13.75	13.88	13.91	13.94	13.94	13.92
67.0						14.51	14.55	14.58	14.59	14.57

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	15.0
30.0	44.50	56.40	70.40	86.30	104.50	124.50	133.50	147.00	159.00	171.50
35.0	43.50	55.50	69.60	85.80	104.50	125.00	134.00	148.00	160.50	173.50
40.0	42.70	54.60	68.70	85.00	104.00	125.00	134.00	148.50	161.50	175.00
45.0		53.80	67.70	84.10	103.00	124.50	134.00	149.00	162.00	175.50
50.0			66.90	83.10	102.00	124.00	133.50	148.50	162.00	176.00
55.0				82.30	101.00	123.00	132.50	148.00	162.00	176.50
60.0					100.50	122.50	132.00	147.50	162.00	177.00
65.0					100.50	122.00	132.00	148.00	162.00	177.50
67.0						122.50	132.00	148.00	162.50	178.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	21.4
Length/Width, mm	246/257
Height, mm	443
Net Weight, kg	43.5
Stub Suction, inch	7/8
Stub Discharge, inch	3/4
Oil Quantity, l	1.89
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	190 x 190 (19)
Sound Pressure @ 1m (MT), dBA	68
Sound Power (MT), dBA	79
Sound Conditions (MT, Temperatures: Evap./Cond./Suction at freq./speed)	-10 / 45 / 20 °C at 50 Hz
PED Category	1
Max. Internal Free Volume, l	5.70
High Side PS gauge, bar	29
Low Side PS gauge, bar	21
Low Side TS Max., °C	50
Low Side TS Min., °C	-35
Refrigerant's GWP	1774
Refrigerant's classification	A1

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

Maximum Operating Current, A	15.9
Locked Rotor Current, A	102
Winding Resistance, ohm	1.72
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED**ACCESSORIES OPTIONAL**

Crankcase Heater	70 W External
Discharge Temperature Protection	External thermistor
Mounting Grommets	Standard
Mounting Grommets	Hard Mounts for Paralleling
Oil Control System	ALCO Trax-Oil OM3
Sound Attenuation	Sound Shell (10dBA)
Rotalock valves	suction and discharge

MOTOR OPTIONS

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