



Minimum Evaporating Temp. With:

- 20 K Suction Superheat
- 0 °C Suction Gas Return
- Maximum Evaporating Temperature

Suction Superheat 10.0K

Liquid Temperature -5.0°C

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW					
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0
-20.0	2.81	3.64	4.59	5.67		
-15.0	2.62	3.42	4.35	5.39	6.58	
-10.0	2.40	3.19	4.08	5.09	6.24	7.52
-5.0		2.93	3.79	4.77	5.86	7.09
0.0			3.49	4.41	5.46	6.63
5.0				4.04	5.03	6.14

50 Hz

ZO21K5E-TFDN

R744

Cond °C	Power, kW					
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0
-20.0	0.92	0.92	0.90	0.85		
-15.0	1.05	1.06	1.04	1.01	0.94	
-10.0	1.20	1.20	1.19	1.16	1.12	1.03
-5.0		1.36	1.35	1.32	1.28	1.22
0.0			1.54	1.50	1.46	1.40
5.0				1.70	1.66	1.60

Cond °C	Current at 400 V, A					
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0
-20.0	2.12	2.12	2.10	2.04		
-15.0	2.25	2.26	2.25	2.22	2.14	
-10.0	2.42	2.41	2.41	2.38	2.33	2.24
-5.0		2.61	2.59	2.56	2.51	2.43
0.0			2.83	2.78	2.72	2.65
5.0				3.08	2.99	2.90

Cond °C	Suction Mass Flow, g/s					
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0
-20.0	9.78	12.55	15.75	19.40		
-15.0	9.46	12.30	15.50	19.15	23.30	
-10.0	9.05	11.95	15.20	18.85	23.00	27.70
-5.0		11.45	14.75	18.40	22.60	27.20
0.0			14.20	17.90	22.00	26.70
5.0				17.25	21.40	26.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	2.62
Length/Width, mm	228/228
Height, mm	388
Net Weight, kg	22.2
Rotalock Suction, inch	1 1/4
Rotalock Discharge, inch	1
Oil Quantity, l	0.95
Oil type (original charge)	POE RL 68 HB
Oil type (approved oils)	POE RL 68 HB
Base mounting (hole dia), mm	190 x 190 (9.5)
Sound Pressure @ 1m (LT), dBA	52
Sound Power (LT), dBA	63
Sound Conditions (LT, Temperatures:	-35 / -5 / 5 °C at 50 Hz
Evap./Cond./Suction at freq./speed)	
PED Category	1
High Side PS gauge, bar	52
Low Side PS gauge, bar	30
Refrigerant's GWP	1
Refrigerant's classification	A1

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

Maximum Operating Current, A	3.6
Locked Rotor Current, A	27
Winding Resistance, ohm	8.6
Default Enclosure Class	Not Available

ACCESSORIES INCLUDED

Mounting Grommets	Standard
Discharge Temperature Protection	Discharge line thermostat

ACCESSORIES OPTIONAL

Oil level control	Available
Sound Blanket	Acc6162
Crankcase Heater	70 W External
Mounting Grommets	Hard Mounts for Paralleling
Oil Control System	ALCO Trax-Oil OM4
Discharge Shut-off	valve
Suction Shut-off	valve

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