



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	8.09	10.20	12.75	15.65		
-15.0	7.54	9.57	12.00	14.80	18.05	
-10.0	7.01	8.93	11.20	13.90	17.00	20.60
-5.0		8.29	10.45	13.00	15.95	19.35
0.0			9.68	12.05	14.85	18.10
5.0				11.15	13.80	16.85

50 Hz

ZO58K3E-TFDN

R744

Cond °C	Power, kW					
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0
-20.0	2.33	2.27	2.20	2.16		
-15.0	2.65	2.63	2.55	2.46	2.41	
-10.0	2.97	3.01	2.95	2.85	2.75	2.70
-5.0		3.42	3.42	3.33	3.21	3.10
0.0			3.93	3.89	3.78	3.64
5.0				4.53	4.46	4.32

Cond °C	Current at 400 V, A					
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0
-20.0	4.70	4.69	4.64	4.58		
-15.0	4.99	4.97	4.92	4.85	4.75	
-10.0	5.42	5.39	5.34	5.26	5.15	5.02
-5.0		5.95	5.89	5.81	5.70	5.56
0.0			6.58	6.49	6.38	6.23
5.0				7.32	7.20	7.05

Cond °C	Suction Mass Flow, g/s					
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0
-20.0	28.10	35.30	43.80	53.60		
-15.0	27.30	34.40	42.80	52.50	63.80	
-10.0	26.40	33.40	41.70	51.40	62.60	75.60
-5.0		32.40	40.60	50.20	61.30	74.20
0.0			39.40	48.90	60.00	72.80
5.0				47.60	58.50	71.30

### **COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Displacement @ 50 Hz, m³/h	6.87
Length/Width, mm	242/242
Height, mm	417
Net Weight, kg	32.5
Gross Weight, kg	34.5
Rotalock Suction, inch	1 1/4
Rotalock Discharge, inch	1
Oil Quantity, l	1.42
Oil type (original charge)	POE RL 68 HB
Oil type (approved oils)	POE RL 68 HB
Base mounting (hole dia), mm	190 x 190 (8.5)
Sound Pressure @ 1m (LT), dBA	56
Sound Power (LT), dBA	67
Sound Power with Sound Shell (LT), dBA	61
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	8
Locked Rotor Current, A	48
Winding Resistance, ohm	3.9
Default Enclosure Class	IP 21 (IEC 34)

### **ACCESSORIES INCLUDED**

Mounting Grommets	Standard
Discharge Temperature Protection	Discharge line thermostat

### **ACCESSORIES OPTIONAL**

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

50 Hz

ZO58K3E-TFDN

R744

## **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>
TFD	380-420 V / 3~ / 50 Hz	400		Y	1.00