



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	11.90	15.10	18.60	22.40		
-15.0	11.10	14.35	17.95	21.90	26.20	
-10.0	10.10	13.30	16.95	21.00	25.40	30.10
-5.0		12.00	15.55	19.55	23.90	28.70
0.0			13.95	17.80	22.10	26.80
5.0				15.75	19.85	24.50

50 Hz

ZO88KCE-TFDN

R744

Cond °C	Power, kW					
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0
-20.0	3.41	3.36	3.26	3.14		
-15.0	3.91	3.90	3.82	3.70	3.58	
-10.0	4.41	4.48	4.45	4.35	4.21	4.07
-5.0		5.09	5.12	5.06	4.94	4.79
0.0			5.83	5.84	5.75	5.61
5.0				6.66	6.64	6.53

Cond °C	Current at 400 V, A					
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0
-20.0	6.29	6.21	6.07	5.93		
-15.0	6.94	6.92	6.82	6.67	6.51	
-10.0	7.54	7.63	7.58	7.46	7.29	7.11
-5.0		8.35	8.40	8.33	8.18	7.98
0.0			9.29	9.30	9.20	9.01
5.0				10.40	10.37	10.23

Cond °C	Suction Mass Flow, g/s					
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0
-20.0	41.40	52.10	63.90	76.60		
-15.0	40.10	51.50	64.20	78.00	92.80	
-10.0	38.00	49.70	63.00	77.60	93.50	110.50
-5.0		47.00	60.40	75.50	92.20	110.50
0.0			56.80	72.00	89.10	108.00
5.0				67.20	84.40	103.50

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

Displacement @ 50 Hz, m³/h	10.1
Length/Width, mm	245/249
Height, mm	440
Net Weight, kg	40.3
Gross Weight, kg	46
Rotalock Suction, inch	1 1/4
Rotalock Discharge, inch	1
Oil Quantity, l	1.89
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	60
Sound Power (LT), dBA	71
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	11.8
Locked Rotor Current, A	64
Winding Resistance, ohm	2.8
Default Enclosure Class	IP 21 (IEC 34)

### **ACCESSORIES INCLUDED**

Discharge Temperature Protection	Discharge line thermostat
Mounting Grommets	Standard

### **ACCESSORIES OPTIONAL**

Crankcase Heater	70 W External
Oil Control System	ALCO Trax-Oil OM4
Sound Attenuation	Sound Shell (10dBA)
Mounting Grommets	Hard Mounts for Paralleling
Discharge Shut-off	valve
Suction Shut-off	valve

50 Hz

ZO88KCE-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