



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	4.37	5.67	7.19	8.95		
-15.0	3.98	5.23	6.69	8.38	10.35	
-10.0	3.57	4.77	6.18	7.80	9.68	11.85
-5.0		4.30	5.65	7.20	9.00	11.05
0.0			5.10	6.59	8.30	10.25
5.0				5.95	7.58	9.46

50 Hz

ZO34K3E-TFDN

R744

Cond °C	Power, kW					
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0
-20.0	1.40	1.38	1.35	1.32		
-15.0	1.61	1.58	1.55	1.52	1.48	
-10.0	1.86	1.83	1.80	1.75	1.70	1.67
-5.0		2.13	2.08	2.03	1.98	1.92
0.0			2.43	2.37	2.30	2.23
5.0				2.77	2.69	2.60

Cond °C	Current at 400 V, A					
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0
-20.0	2.82	2.77	2.77	2.75		
-15.0	3.02	2.95	2.95	2.95	2.89	
-10.0	3.33	3.22	3.20	3.19	3.15	3.01
-5.0		3.60	3.54	3.51	3.47	3.35
0.0			3.99	3.93	3.86	3.74
5.0				4.45	4.36	4.21

Cond °C	Suction Mass Flow, g/s					
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0
-20.0	15.20	19.60	24.70	30.60		
-15.0	14.35	18.80	23.90	29.80	36.60	
-10.0	13.45	17.85	23.00	28.90	35.70	43.50
-5.0		16.80	21.90	27.80	34.60	42.50
0.0			20.80	26.70	33.50	41.30
5.0				25.40	32.20	40.00

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

Displacement @ 50 Hz, m³/h	4.07
Length/Width, mm	242/242
Height, mm	381
Net Weight, kg	30
Gross Weight, kg	32
Rotalock Suction, inch	1 1/4
Rotalock Discharge, inch	1
Oil Quantity, l	1.36
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	54
Sound Power (LT), dBA	65
Sound Power with Sound Shell (LT), dBA	58
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	5.5
Locked Rotor Current, A	26
Winding Resistance, ohm	7.1
Default Enclosure Class	IP 21 (IEC 34)

### **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

50 Hz

ZO34K3E-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