



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	4.58	5.77	7.19	8.84		
-15.0	4.31	5.46	6.81	8.40	10.25	
-10.0	4.04	5.13	6.42	7.92	9.67	11.70
-5.0		4.79	6.00	7.43	9.08	11.00
0.0			5.58	6.91	8.47	10.25
5.0				6.37	7.83	9.51

50 Hz

ZOD34K3E-TFDN

R744

Cond °C	Power, kW					
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0
-20.0	1.38	1.38	1.36	1.32		
-15.0	1.56	1.58	1.56	1.52	1.48	
-10.0	1.76	1.79	1.78	1.76	1.70	1.64
-5.0		2.03	2.04	2.01	1.96	1.89
0.0			2.31	2.30	2.26	2.19
5.0				2.62	2.59	2.52

Cond °C	Current at 400 V, A					
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0
-20.0	2.87	2.87	2.84	2.80		
-15.0	3.09	3.11	3.09	3.05	2.99	
-10.0	3.30	3.34	3.34	3.29	3.23	3.16
-5.0		3.59	3.61	3.57	3.51	3.43
0.0			3.95	3.93	3.87	3.78
5.0				4.39	4.34	4.26

Cond °C	Suction Mass Flow, g/s					
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0
-20.0	15.90	19.95	24.70	30.30		
-15.0	15.60	19.60	24.30	29.80	36.20	
-10.0	15.25	19.20	23.90	29.30	35.60	43.00
-5.0		18.75	23.30	28.70	35.00	42.20
0.0			22.70	28.00	34.20	41.30
5.0				27.20	33.30	40.30

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	4.07
Length/Width, mm	242/242
Height, mm	377
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	45
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

Discharge Temperature Protection	Discharge line thermostat
Mounting Grommets	Standard

ACCESSORIES OPTIONAL

Crankcase Heater	70 W External
Oil level control	Available
Sound Blanket	Acc6162
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