



Refrigerant	R407C Dew Point
<b>High Side Properties:</b>	
Condensing Temperature, °C	45.00
Abs. Condensing Pressure, bar	17.51
Dew Point, °C	45.00
Bubble Point, °C	40.10
Saturated vapour enthalpy, kJ/kg	425.00
Specific volume of saturated vapour, dm <sup>3</sup> /kg	12.70
<b>Low Side Properties:</b>	
Evaporating Temperature, °C	0.00
Evaporating Abs. Pressure, bar	4.61
Dew Point, °C	0.00
Bubble Point, °C	-6.30
With vapour at, °C	10.00
Specific volume, dm <sup>3</sup> /kg	53.50
Enthalpy, kJ/kg	418.00
<b>Operating Conditions:</b>	
Evaporating Temperature, °C	0.00
Condensing Temperature, °C	45.00
Suction Superheat, K	10.00
Subcooling, K	0.00
Compressor Selected	ZR72KCE-TFD

**PERFORMANCE AT SPECIFIED OPERATING POINT  
ZR72KCE-TFD Data at 50 Hz**

Cooling Capacity, kW	12.95
Power, kW	4.14
COP	3.13
Current at 400 V, A	7.58
Suction Mass Flow, g/s	82.10
Heating Capacity, kW	16.85

**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Displacement @ 50 Hz, m <sup>3</sup> /h	17.1
Length/Width, mm	246/246
Height, mm	451
Net Weight, kg	38.6
Gross Weight, kg	44
Rotalock Suction, inch	1 1/4
Rotalock Discharge, inch	1
Stub Suction, inch	7/8
Stub Discharge, inch	1/2
Oil Quantity, l	1.77
Oil type (original charge)	POE RL32-3MAF
Oil type (approved oils)	POE RL32-3MAF, POE MOBIL EAL Arctic 22 CC
Base mounting (hole dia), mm	190 x 190 (8.5)
Sound Pressure @ 1m (HT), dBA	61
Sound Power (HT), dBA	72
Sound Power with Sound Shell (HT), dBA	66
Sound Conditions (HT, Temperatures:	7 / 54 / 18 °C at 50 Hz
Evap./Cond./Suction at freq./speed)	
PED Category	1
Max. Internal Free Volume, l	4.10
High Side PS gauge, bar	29.5
Low Side PS gauge, bar	20
Low Side TS Max., °C	50
Refrigerant's GWP	1774
Refrigerant's classification	A1

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

Maximum Operating Current, A	12.1
Locked Rotor Current, A	74
Winding Resistance, ohm	2.27
Default Enclosure Class	IP 21 (IEC 34)

**ACCESSORIES INCLUDED**

Discharge Temperature Protection	Internal Thermodisk
Mounting Grommets	Standard

***ACCESSORIES OPTIONAL***

Crankcase Heater

70 W External

# ZR61 KC, ZR72 KC

