

Refrigerant	R410A Dew Point
<b>High Side Properties:</b>	
Condensing Temperature, °C	45.00
Abs. Condensing Pressure, bar	27.18
Dew Point, °C	45.00
Bubble Point, °C	44.90
Saturated vapour enthalpy, kJ/kg	424.00
Specific volume of saturated vapour, dm <sup>3</sup> /kg	8.40
<b>Low Side Properties:</b>	
Evaporating Temperature, °C	0.00
Evaporating Abs. Pressure, bar	7.97
Dew Point, °C	0.00
Bubble Point, °C	-0.10
With vapour at, °C	10.00
Specific volume, dm <sup>3</sup> /kg	35.00
Enthalpy, kJ/kg	431.00
<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	ZP31K5E-TFD

**PERFORMANCE AT SPECIFIED OPERATING POINT  
ZP31K5E-TFD Data at 50 Hz**

Cooling Capacity, kW	5.82
Power, kW	2.08
COP	2.79
Current at 400 V, A	3.93
Suction Mass Flow, g/s	37.20
Heating Capacity, kW	7.79

**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Displacement @ 50 Hz, m <sup>3</sup> /h	5.13
Length/Width, mm	243/243
Height, mm	388
Net Weight, kg	21.8
Stub Suction, inch	3/4
Stub Discharge, inch	1/2
Oil Quantity, l	0.74
Oil type (original charge)	POE RL32-3MAF
Oil type (approved oils)	POE RL32-3MAF
Base mounting (hole dia), mm	190 x 190 (19)
Sound Pressure @ 1m (HT), dBA	55
Sound Power (HT), dBA	66
Sound Conditions (HT, Temperatures:	5 / 50 / 15 °C at 50 Hz
Evap./Cond./Suction at freq./speed)	
PED Category	1
Max. Internal Free Volume, l	2.00
High Side PS gauge, bar	45
Low Side PS gauge, bar	29.5
Low Side TS Min., °C	-35
Refrigerant's GWP	2088
Refrigerant's classification	A1

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

Maximum Operating Current, A	6.5
Locked Rotor Current, A	38
Winding Resistance, ohm	5.87/5.87/4.86 (T1-T2/T2-T3/T3-T1)
Default Enclosure Class	IP 21 (IEC 34)

**ACCESSORIES INCLUDED****ACCESSORIES OPTIONAL**

# ZP24,29,31K5E

