



Refrigerant	R410A Dew Point
High Side Properties:	
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 ³ /kg	8.40
Low Side Properties:	
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 ³ /kg	35.00
Enthalpy, kJ/kg	431.00
Operating Conditions:	
Evaporating Temperature, °C	0.00
Condensing Temperature, °C	45.00
Suction Superheat, K	10.00
Subcooling, K	0.00
Compressor Selected	ZP24K5E-TFD

**PERFORMANCE AT SPECIFIED OPERATING POINT
ZP24K5E-TFD Data at 50 Hz**

Cooling Capacity, kW	4.54
Power, kW	1.62
COP	2.80
Current at 400 V, A	3.06
Suction Mass Flow, g/s	29.00
Heating Capacity, kW	6.08

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	3.96
Length/Width, mm	236/236
Height, mm	387
Net Weight, kg	21.9
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 (8.5)
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	2.10
High Side PS gauge, bar	45
Low Side PS gauge, bar	29.5
Low Side TS Max., °C	50
Refrigerant's GWP	2088
Refrigerant's classification	A1

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

Maximum Operating Current, A	4.8
Locked Rotor Current, A	28
Winding Resistance, ohm	8.14/8.14/6.46 (T1-T2/T2-T3/T3-T1)
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

Mounting Grommets	Rubber Grommet For Single
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ACCESSORIES OPTIONAL

Crankcase Heater	40 W External
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ZP24,29,31K5E

