

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	ZP154KCE-TFD

**PERFORMANCE AT SPECIFIED OPERATING POINT
ZP154KCE-TFD Data at 50 Hz**

Cooling Capacity, kW	30.00
Power, kW	9.32
COP	3.22
Current at 400 V, A	17.42
Suction Mass Flow, g/s	192.00
Heating Capacity, kW	38.90

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	24.9
Length/Width, mm	281/285
Height, mm	552
Net Weight, kg	64.9
Stub Suction, inch	1 3/8
Stub Discharge, inch	7/8
Oil Quantity, l	3.25
Oil type (original charge)	POE RL32-3MAF
Oil type (approved oils)	POE RL32-3MAF
Base mounting (hole dia), mm	190 x 190 (0)
Sound Pressure @ 1m (HT), dBA	65
Sound Power (HT), dBA	76
Sound Power with Sound Shell (HT), dBA	65
Sound Conditions (HT, Temperatures:	7 / 54 / 18 °C at 50 Hz
Evap./Cond./Suction at freq./speed)	
PED Category	2
Max. Internal Free Volume, l	14.0
High Side PS gauge, bar	45
Low Side PS gauge, bar	29.5
Low Side TS Max., °C	50
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	31
Locked Rotor Current, A	140
Winding Resistance, ohm	1.09
Default Enclosure Class	IP 21/54 (IEC 34)

ACCESSORIES INCLUDED

Discharge Temperature Protection	ASTP Therm-O-Disc In Scroll
----------------------------------	-----------------------------

ACCESSORIES OPTIONAL

Mounting Grommets	Hard Mounts for Paralleling
Mounting Grommets	Rubber Grommet For Single

ZR160, 190 KCE
ZP154, 182 KCE
ZH 64, 75 KCE

