

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	ZP485KCE-TWD

**PERFORMANCE AT SPECIFIED OPERATING POINT  
ZP485KCE-TWD Data at 50 Hz**

Cooling Capacity, kW	95.00
Power, kW	28.90
COP	3.28
Current at 400 V, A	50.24
Suction Mass Flow, g/s	607.00
Heating Capacity, kW	122.50

**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Displacement @ 50 Hz, m <sup>3</sup> /h	77.3
Length/Width, mm	368/345
Height, mm	756
Net Weight, kg	190
Stub Suction, inch	1 5/8
Stub Discharge, inch	1 3/8
Oil Quantity, l	6.3
Oil type (original charge)	POE RL32-3MAF
Oil type (approved oils)	POE RL32-3MAF
Base mounting (hole dia), mm	266.7 x 266.7 (22.6)
Sound Pressure @ 1m (HT), dBA	78
Sound Power (HT), dBA	89
Sound Conditions (HT, Temperatures:	7 / 54 / 18 °C at 50 Hz
Evap./Cond./Suction at freq./speed)	
PED Category	2
Max. Low Side Internal Free Volume, l	29.5
Max. Internal Free Volume, l	33.2
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	82.6
Locked Rotor Current, A	408
Winding Resistance, ohm	0.26
Default Enclosure Class	IP 54 (IEC 34)

**ACCESSORIES INCLUDED**

Discharge Temperature Protection	Internal Thermistor
Discharge Temperature Protection	PTC in Scroll Discharge Port
Enclosure Class	IP 54
Mounting Grommets	Standard
Mounting Grommets	Rubber Grommet For Single
Oil Charge	
Oil Service Valve	Schraeder Valve
Check Valve	Discharge Low Leak Check Valve

***ACCESSORIES OPTIONAL***

Crankcase Heater  
Mounting Grommets  
Adapter Kit

102 W External  
Rubber Grommet For Parallel  
Operation  
R1"3/4 - B1"3/8 For TPTL for  
Parallel Operation

# ZP485

