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| 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 | ZPD137KCE-TFD |

**PERFORMANCE AT SPECIFIED OPERATING POINT
ZPD137KCE-TFD Data at 50 Hz**

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|------------------------|--------|
| Cooling Capacity, kW | 26.60 |
| Power, kW | 8.34 |
| COP | 3.19 |
| Current at 400 V, A | 15.32 |
| Suction Mass Flow, g/s | 170.00 |
| Heating Capacity, kW | 34.50 |

COMPRESSOR MECHANICAL AND PHYSICAL DATA

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|--|-------------------------|
| Displacement @ 50 Hz, m ³ /h | 22.1 |
| Length/Width, mm | 293/285 |
| Height, mm | 533 |
| Net Weight, kg | 61.2 |
| Rotalock Suction, inch | 1 3/4 |
| Rotalock Discharge, inch | 1 1/4 |
| 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 | 63 |
| Sound Power (HT), dBA | 74 |
| Sound Conditions (HT, Temperatures: Evap./Cond./Suction at freq./speed) | 7 / 54 / 18 °C at 50 Hz |
| PED Category | 2 |
| Max. Internal Free Volume, l | 13.3 |
| 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)

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|------------------------------|----------------|
| Maximum Operating Current, A | 25 |
| Locked Rotor Current, A | 118 |
| Winding Resistance, ohm | 1.24 |
| Default Enclosure Class | IP 21 (IEC 34) |

ACCESSORIES INCLUDED

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|-------------------|--------------------------------|
| Enclosure Class | IP21 |
| Mounting Grommets | Hard Mounts for Paralleling |
| Oil Charge | |
| Oil Service Valve | Schraeder Valve |
| Digital Control | Integrated Solenoid Valve |
| Check Valve | Discharge Low Leak Check Valve |

ACCESSORIES OPTIONAL

| | |
|---------------------------|------------------------------|
| Crankcase Heater | 66 W External |
| Discharge Temp Protection | |
| Mounting Grommets | Rubber Grommet For Single |
| Digital Control | Digital Valve Coil 24V |
| Digital Control | Digital Valve Coil 230V |
| Adapter Kit | R1"1/4 -B 1"1/8 For TPTL for |
| Sound Attenuation | Parallel Operation |
| | Sound Shell (12dBA) |

ZPD 103, 120, 137 KCE ZRD 125 KCE

