

Cold room, Copeland, ZR scroll, compressor, ZR144KCE-TFD-550, 12HP Copeland Scroll Compressor, Hermetic Compressor Specifications

written by Lilianne | 13 December 2021

Type: Hermetic scroll compressors Producer: Copeland Series: ZR

Model: ZR144KCE-TFD

Technical data

| | |
|------------------------------------|------|
| Displacement [m ³ /h]: | 33,2 |
| Sound power [dBA]: | 75 |
| Sound pressure level [dB]: | 64 |
| Net Weight [kg]: | 61,2 |
| Gross Weight [kg]: | 72 |
| Oil charge [dm ³]: | 3,3 |
| Maximum high pressure [bar]: | 32 |
| Maximum standstill pressure [bar]: | 20 |
| Minimal lowside temperature [°C]: | -35 |
| Maximum lowside temperature [°C]: | 52 |
| PED category: | 2 |

Electrical data

| | |
|-----------------------------|----------------|
| Power supply [V/~/Hz]: | 380-420/3/50Hz |
| Locked rotor current [A]: | 118 |
| Max. operating current [A]: | 22,3 |
| Winding resistance [Ω]: | 1,2 |

Connections

| | |
|--|--------|
| | inches |
| Suction connection with supplied sleeve: | 1 3/8" |
| Discharge connection with supplied sleeve: | 7/8" |

Compressor Copeland Scroll ZR144KCE-TFD-425, R407C, 380-420V

Type of engine: TFD

Displacement: 33.2 m³ / h (191,23 cm³)

Cooling capacity (0 ° C): 20.00 kW.

Oil quantity: 3.38 L.

Noise level: 61 dBA – 1 m.

Max. Noise level: 75 dBA.

Max. Operating current (FLA): 22.3 A.

LRA: 118.0 A.

Connectors: 1.3 / 8 "x 7/8".

Dimensions (LxWxH): 264x285x533 mm

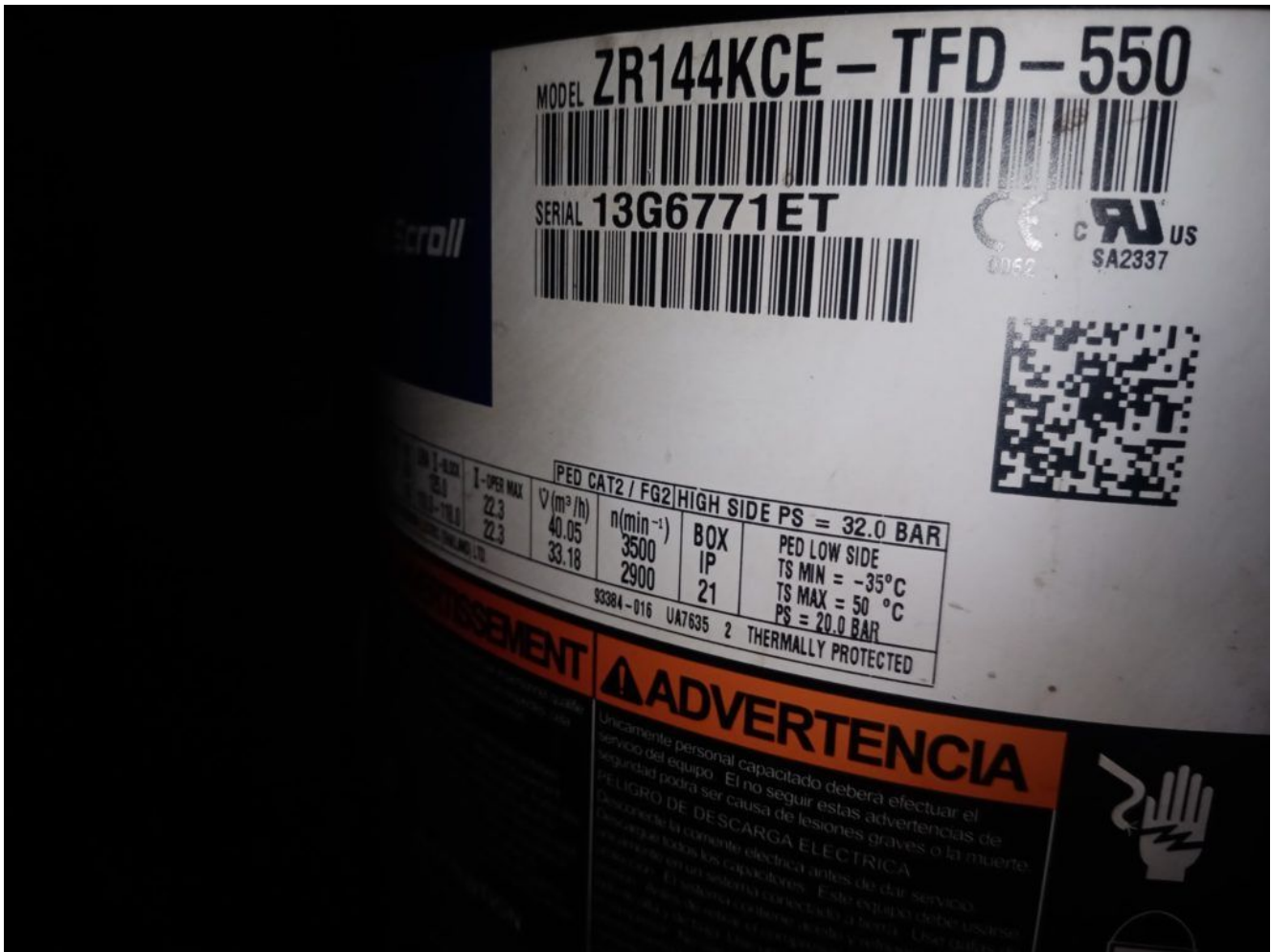
Net Weight: 61.2 kg

| | |
|-------------------------------------|------------------|
| Shipping Class | Standard |
| Scope Of Application | HBP |
| Lieferzeit | Ca. 10-14 Tage |
| Type Of Construction | Scroll |
| Maker | Copeland |
| Manufacturer No. | ZR144KCE-TFD-425 |
| Style | 1 |
| Refrigerants | R407C |
| Series | ZR |
| Condensing Units Compressors | Compressors |
| Suspense | 380-420V |
| Weight In Kg | 61 |

| Model | Horse Power (HP) | Cooling capacity(w) | InputPower(kw) | Current (A) | Bottom corner size(mm) | Weight(KG) |
|-----------------|------------------|---------------------|----------------|-------------|------------------------|------------|
| ZR144KC-TFD-550 | 12 | 34730 | 10.87 | 19.6 | 190 | 63 |



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PETRA

PETRA ENGINEERING INDUSTRIES CO.
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MODEL REF. No.

SERIAL NO. NOMINAL POWER SUPPLY VOLT/Hz /Ph

| COMP. MOTOR A | QTY | VOLT | LRA | RLA | Max. Amp. | hp |
|---------------|--------------------------------|----------------------------------|----------------------------------|-----------------------------------|-----------------------------------|---------------------------------|
| | <input type="text" value="1"/> | <input type="text" value="380"/> | <input type="text" value="110"/> | <input type="text" value="19.5"/> | <input type="text" value="22.3"/> | <input type="text" value="12"/> |

| COMP. MOTOR B | QTY | VOLT | LRA | RLA | Max. Amp. | hp |
|---------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |

| | QTY | VOLT | Ph | kW | FLA |
|-------------------|--------------------------------|----------------------------------|--------------------------------|-----------------------------------|-----------------------------------|
| COND. FAN MOTOR A | <input type="text" value="2"/> | <input type="text" value="380"/> | <input type="text" value="3"/> | <input type="text" value="0.43"/> | <input type="text" value="1.1"/> |
| COND. FAN MOTOR B | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| EVAP. FAN MOTOR | <input type="text" value="1"/> | <input type="text" value="380"/> | <input type="text" value="3"/> | <input type="text" value="4"/> | <input type="text" value="8.4"/> |
| ELECTRIC HEATER | <input type="text" value="3"/> | <input type="text" value="220"/> | <input type="text" value="1"/> | <input type="text" value="3"/> | <input type="text" value="13.5"/> |

COIL TEST PRESSURE Psig REFRIGERANT

MINIMUM WATER LOOP VOLUME (GAL) CHILLER MINIMUM WATER FLOW RATE (GPM)

Made in Jordan



Manufacturing Year