

# 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 <sup>3</sup> /h]:	33,2
Sound power [dBA]:	75
Sound pressure level [dB]:	64
Net Weight [kg]:	61,2
Gross Weight [kg]:	72
Oil charge [dm <sup>3</sup> ]:	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 m<sup>3</sup> / h (191,23 cm<sup>3</sup>)

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

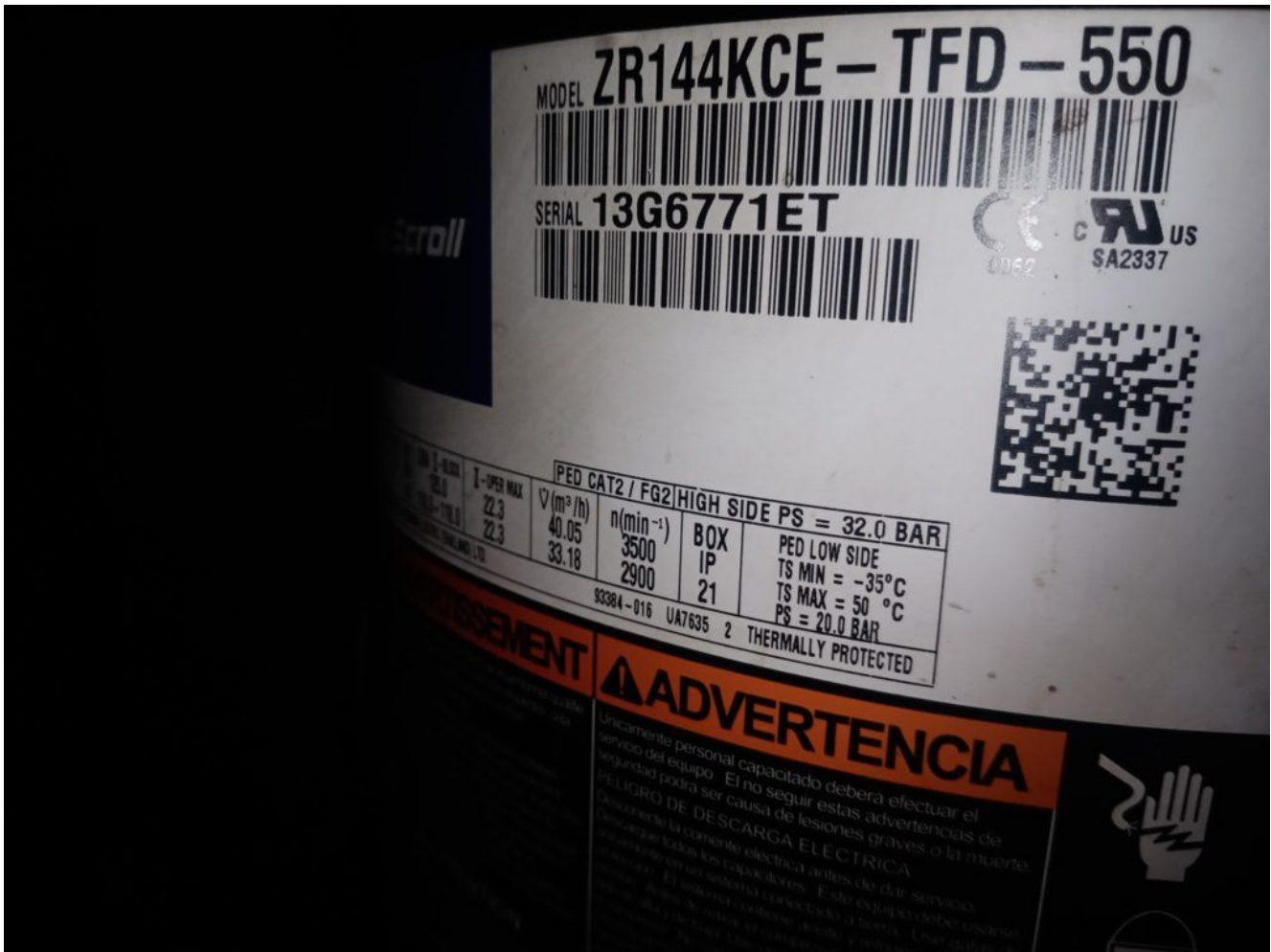
Net Weight: 61.2 kg

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



Private Picture Copyright : WWW.MBSM.PRO



Private Picture Copyright : WWW.MBSM.PRO

# PETRA

PETRA ENGINEERING INDUSTRIES CO.  
P.O. BOX 141351 Amman 11814 JORDAN



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"/>

COND. FAN MOTOR A	QTY	VOLT	Ph	kW	FLA
	<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	QTY	VOLT	Ph	kW	FLA
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

EVAP. FAN MOTOR	QTY	VOLT	Ph	kW	FLA
	<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	QTY	VOLT	Ph	kW	FLA
	<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