

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"/>

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