

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

Category: compressor

written by www.mbsm.pro | 13 December 2021

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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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

Suction connection with supplied sleeve:	1 3/8" inches
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

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MODEL **ZR144KCE - TFD - 550**



SERIAL **13G6771ET**



UL US
SA2337



1-OPER MAX	22.3	PED CAT2 / FG2	HIGH SIDE PS = 32.0 BAR
2-OPER MAX	22.3	∇ (m ³ /h)	
		40.05	n (min ⁻¹)
		33.18	3500
			2900
			BOX
			IP
			21
		93384-016	UA7635 2 THERMALLY PROTECTED

ADVERTENCIA

Únicamente personal capacitado deberá efectuar el servicio del equipo. El no seguir estas advertencias de seguridad podrá ser causa de lesiones graves o la muerte.

PELIGRO DE DESCARGA ELECTRICA

Desconecte la corriente eléctrica antes de dar servicio. Descargue todos los capacitores. Este equipo debe usarse únicamente en un sistema conectado a tierra. Una falta de conexión a tierra puede causar lesiones graves o la muerte.



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	QTY	VOLT	LRA	RLA	Max. Amp.	hp
COMP. MOTOR A	1	380	110	19.6	22.3	12
COMP. MOTOR B						

	QTY	VOLT	Ph	kW	FLA
COND. FAN MOTOR A	2	380	3	0.43	1.1
COND. FAN MOTOR B					
EVAP. FAN MOTOR	1	380	3	4	8.4
ELECTRIC HEATER	3	220	1	3	13.6

COIL TEST PRESSURE Psig REFRIGERANT

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

Made in Jordan



Manufacturing Year