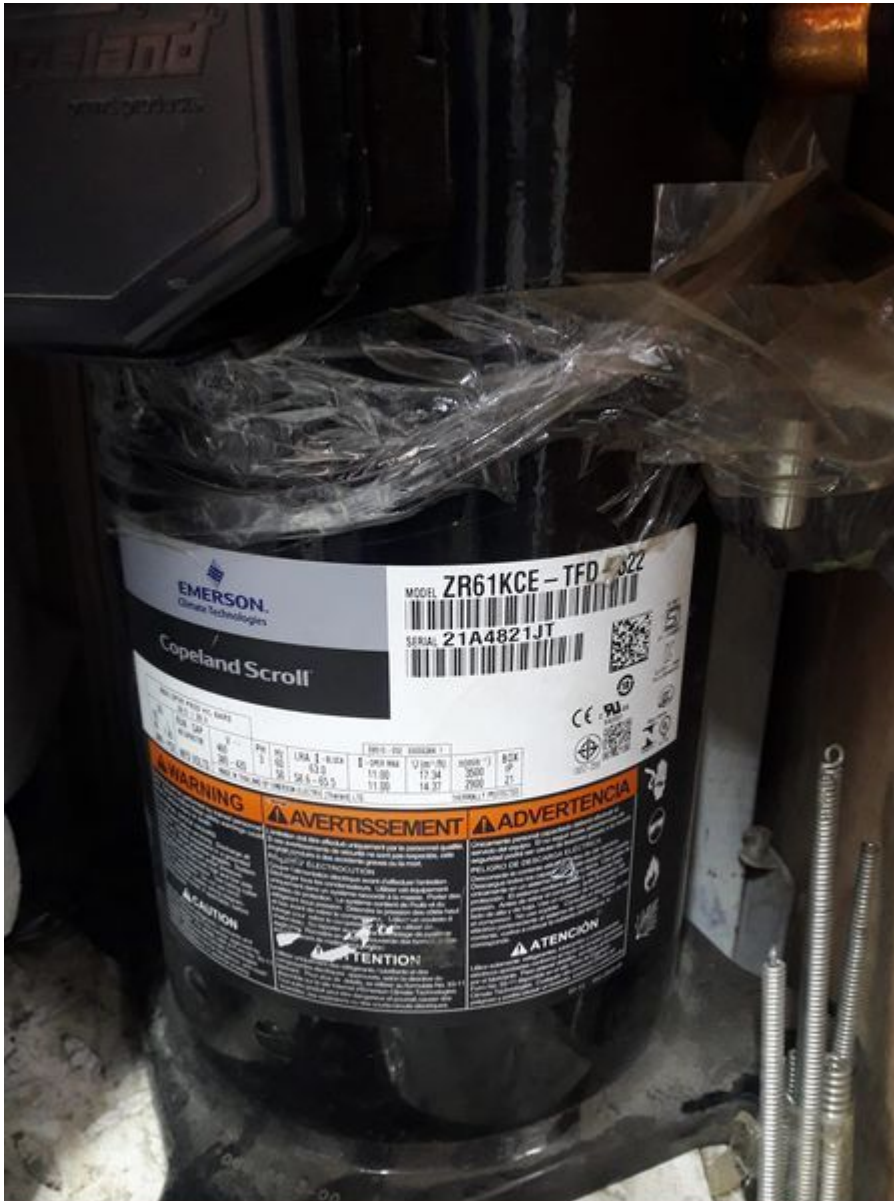


# ZR61KCE-TFD-522

Category: compressor

written by Lilianne | 17 April 2023



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**Mbsm.pro, COPELAND, COMPRESSOR,  
ZR61KCE-TFD-522, 5.1 hp, 5 ton, 58000  
btu**

Product information "Compressor COPELAND ZR61KCE TFD 522"

Hermetic compressor Copeland Scroll ZR61KCE-TFD 522 – R22, R407C, 380-420V/50Hz, with protective gas filling, oil filling and rubber vibration damper, suitable for air conditioning and normal cooling. Delivery volume: 14.4 m<sup>3</sup>/h Power: 5 PS Engine type: TFD Evaporating temperature: -20 to +10°C Cooling capacity (0°C): 13,44 kW Noise level: 60 dB – 1 m Oil filling: 1.66 L max Operating current (FLA): 11 A Dimensions (LxWxH): 241x247x438 mm Connections: 7/8" x 1/2 "x 1/2".

Net weight: 79.5 kg Recommended oil sump heater (capacity/diameter): 70 W / 165 mm. during the development of the Copeland Scroll compressors for air-conditioning technology, particular attention was paid to high efficiency and reliability at their special operating point in air-conditioning technology and process cooling (evaporation temperatures of approx. +5°C) Properties such as soldered joints, the possibility of using two compressors as a tandem or suitability for different refrigerants meet the requirements of an increasingly demanding market, cooling capacity measured for condensation temperature of: 40°C, refrigerant R407C, measuring conditions: EN12900

<b>Anschluss / Verdichtervariante:</b>	TFD-522
<b>Compressor type:</b>	Scroll
<b>Condensation temperature:</b>	40 °C
<b>Condensing units Compressors:</b>	Compressor
<b>Connection Size:</b>	Connection Size
<b>Cooling capacity (W) at To -5°C:</b>	14700
<b>Cooling capacity (W) at To 5°C:</b>	10100
<b>Delivery and suction volume (m3):</b>	14,4
<b>Design:</b>	Design, Design
<b>Dimensions ( length × width × height ):</b>	24.10 × 24.70 × 45.10 cm
<b>Displacement:</b>	82.59
<b>Field of application:</b>	Field of application
<b>Info:</b>	Oil prefilled
<b>Manufacturer:</b>	Copeland, Copeland Emerson
<b>Max. Operating current (A):</b>	11
<b>Max. Starting current (A):</b>	65
<b>Measuring conditions:</b>	EN12900
<b>Model range / field of application:</b>	ZR
<b>Oil quantity (l):</b>	1,66
<b>Power (W):</b>	12500
<b>Power + model variant:</b>	61KCE
<b>Power range (C):</b>	-20 C to +12.5 C
<b>Power range (W):</b>	10 – 15 kW
<b>Power range (hp):</b>	4-6
<b>Power supply:</b>	400 V
<b>Pressure line (inch):</b>	1/2
<b>Rated power (hp):</b>	5
<b>Refrigerant:</b>	R22, R134a, R404A, R407C, R507A
<b>Scope of application:</b>	HBP
<b>Series:</b>	ZR
<b>Suction line (inch):</b>	7/8
<b>Suction side:</b>	7/8"
<b>Voltage:</b>	380-420V
<b>cooling capacity (W) at To -10°C:</b>	8250
<b>cooling capacity (W) at To -15°C:</b>	6600
<b>cooling capacity (W) at To -20°C:</b>	5050
<b>cooling capacity (W) at To 0°C:</b>	12200

cooling capacity (W) at To 10°C: 17600

dbA @ 1m: 60

Numéro De Modèle	Source De Courant		Capacité R22 À 7,2 Degrés C SST	Charge D'huile	Lester
ZR28K3E-TFD-522	415V	N / A	6900W	1,01 litre	25,4 kg
ZR40K3E-TFD-522	415V	N / A	10300W	1,12 litre	27,7 kg
ZR47KCE-TFD-522	415V	N / A	11500W	1,24 litre	29,9 kg
ZR48KCE-TFD-522	415V	N / A	11850W	1,24 litre	28,1 kg
ZR54KCE-TFD-522	415V	N / A	13200W	1,83 litre	35,8 kilogrammes
ZR57KCE-TFD-522	415V	N / A	13900W	1,83 litre	36,3 kg
ZR61KCE-TFD-522	415V	N / A	14900W	1,83 litre	37,2 kg
ZR68KCE-TFD-522	415V	N / A	16800W	1,66 litre	38,6 kilogrammes
ZR72KCE-TFD-522	415V	N / A	17700W	1,66 litre	38,6 kilogrammes
ZR81KCE-TFD-522	415V	N / A	19900W	1,66 litre	39,9 kg
ZR94KCE-TFD-522	415V	N / A	23300W	2,4 litres	57,2 kilogrammes
ZR108KCE-TFD-522	415V	N / A	26400W	3,13 litres	60,3 kg
ZR125KCE-TFD-522	415V	N / A	31100W	3,13 litres	61,2 kg
ZR144KCE-TFD-522	415V	N / A	35200W	3,13 litres	61,2 kg
ZR160KCE-TFD-522	415V	N / A	37700W	3,38 litres	64,9 kg
ZR190KCE-TFD-522	415V	N / A	45900W	3,38 litres	66,2 kilogrammes

Des modèles	Puissance nominale	Capacité (W)	Capacité (Btu/h)	Puissance d'entrée (W)	Courant (A)	COP (W/W)	EER (Btu/Wh)	Cylindrée (cc/Rev.)	Quantité d'huile (L)	Poids net (Kg)	LRA (A)	Pression sonore à 1 m (dBA)
TFD	5.1	12 350	42 200	3 550	6.4	3.49	11.9	82,6	1,95	36.1	63,0	63,0
TF5		12 150	41 500	3 710	13.1	3.28	11.2			35.4	128,0	



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