

Copeland scroll compressors

Bill of Material (BOM) explanation – Service compressors

In October 2020, Copeland introduced a range of service scroll compressors. The bill of material (last 3 digits in the compressor designation) of the so-called service compressors starts with a **9**. The service compressors are supplied in single packages and have been configured to facilitate the selection, reduce the inventory and make replacements in the field easier. They allow to replace compressors with BOMs starting with **4 and 5** without major modifications to the refrigerant system. They correspond in size and capacity to the compressors with the old BOM (4 & 5).

Equivalence example:

Old model: ZB45KCE-TFD-**551**

New model: ZB45KCE-TFD-**991**

Details of the accessories included with each bill of material are shown in the table below.

Old BOMs	Compressors	New BOMs	Single package	Ester oil charge	Oil sight glass	Oil service valve	Rotolock connections	Brazing connections	Rotalock adapters to braze suction & discharge	Motor protection			Mounting parts kit single	Mounting parts kit parallel	Gaskets		IP21 Terminal box	IP54 Terminal box
										Internal Klixon	Kriwan 120-240 V	Kriwan 24 VAC			Suction & discharge valves	Oil sight glass or equaliser		
551	ZB 15/19/21/26/29 KCE	940	X	X	X	X	X			X			X		X	X	X	
551 / 591	ZB 30/38/42/45/48/57 KCE	991	X	X	X	X	X			X			X		X	X	X	X
551, 651	ZB 50/58/66/76/95/114 KCE	951	X	X	X	X	X			X			X	X	X	X	X	
551	ZB 56/75/92KCE, ZB11MCE	951	X	X	X	X	X				X		X		X	X		X
551	ZF24/33/40/48 K4E	951	X	X	X	X	X				X		X		X	X		X
551	ZF24/33/40/48 KVE	951	X	X	X	X	X				X		X		X	X		X
522	ZR22/28/34/40/48 K3E	930	X	X				X		X			X				X	
522	ZR61/72/81KCE	950	X	X				X		X			X				X	
422, 425, 455, 522, 550, 650, 655	ZR94/108/125/144/160/190 KCE	950	X	X	X	X		X		X			X	X	X	X	X	
All	ZR90K3E, ZR11/12/16/19M3E	961	X	X	X	X	X		X		X	X*	X		X			X
422,425, 455, 477, 550, 604, 625, 655	ZP90/103/120/137/154/182 KCE	977	X	X	X	X		X		X			X	X	X			X
522, 568	ZP180KCE	922	X	X	X	X		X			X	X*	X					X
522, 524*	ZP235/295/385/485KCE	951	X	X	X	X		X			X	+	X			X		X
524	ZH56/75/92KCE, ZH11M4E	924	X	X	X	X		X			X		X			X		X
526/568*	ZH24/33/40/48 KVE	926	X	X	X	X		X			X	+	X			X		X

* Spare module, delivered loose

+ To be added if original compressor was in version 524* or 568*, ref. 8564320

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