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**DATE:** May 27, 2022  
**TO:** Asia Pacific, Middle East and Africa Air Conditioning Customers  
**FROM:** Emerson Commercial & Residential Solutions  
**SUBJECT:** Launch of Copeland™ Scroll ZE (R32) Series Compressors  
**EFFECTIVE DATE:** May 27, 2022

Emerson Commercial & Residential Solutions is pleased to announce the launch of Copeland™ Scroll ZE series compressors. The Copeland Scroll ZE series compressors supports the industry’s transition to low GWP refrigerant products. Its enhanced features include the efficient output management of high discharge temperature for R32 refrigerant, helping ensure safety and reliability for air conditioning applications. Copeland Scroll ZE series compressors are manufactured in Rayong, Thailand and Suzhou, China. See Table 1 for all the model variants available.

**Table 1 – Model Availability**

Model Number	BOM	Launch Plant	Refrigerant	Launch Schedule
ZE36KUE-PFZ	502	Rayong	<b>R32</b>	<b>Launched</b>
ZE36KME-TFM	52E	Rayong		
ZE39KUE-PFZ	502	Rayong		
ZE39KME-TFM	52E	Rayong		
ZE42KUE-PFZ	502 / 542	Rayong		
ZE42KME-TFM	52E / 54E	Rayong		
ZE49KUE-TFM	54E	Rayong		
ZE49KME-TFM	52E	Suzhou / Rayong		
ZE52KUE-TFM	54E	Suzhou		
ZE54KME-TFM	54E	Suzhou		
ZE55KME-TFM	52E	Suzhou / Rayong		
ZE61KCE-TFM	522	Rayong		
ZE65KCE-TFM	522	Suzhou / Rayong		
ZE76KCE-TFD	522	Rayong		



M A R K E T I N G

# B U L L E T I N

Model Number	BOM	Launch Plant	Refrigerant	Launch Schedule
ZE36KME-TF5	52E	Rayong	<b>R32</b>	<b>Samples Available</b>
ZE49KUE-TFM	52E	Rayong		
ZE52KUE-TFM	52E	Rayong		
ZE52KME-TFM	54E	Suzhou		
ZE65KCE-TF5	522	Suzhou		

The broad range of Copeland™ Scroll ZE series compressor line-up is designed to provide best in class efficiency, quiet operation, and flexibility for residential air conditioning and reversible heat pump applications. The technical specifications and dimensions are listed in Tables 2 and 3 respectively.

**Table 2 - Specifications**

Model Number	Capacity (kW)	Input Power (kW)	Current (A)	COP (Cooling)	Electricals
ZE36KUE-PFZ	8.6	2.8	13.1	3.1	220/240V, 50Hz, 1ph
ZE36KME-TFM	8.9	2.8	5.2	3.2	380/440V, 50Hz, 3ph
ZE39KUE-PFZ	9.5	3.1	15.8	3.1	220/240V, 50Hz, 1ph
ZE39KME-TFM	9.7	3.1	5.5	3.2	380/440V, 50Hz, 3ph
ZE42KUE-PFZ	10.3	3.2	15.1	3.2	220/240V, 50Hz, 1ph
ZE42KME-TFM	10.3	3.2	6.1	3.2	380/440V, 50Hz, 3ph
ZE49KUE-TFM	11.9	3.7	6.5	3.2	380/440V, 50Hz, 3ph
ZE49KME-TFM	12.0	3.8	7.0	3.2	380/440V, 50Hz, 3ph
ZE52KUE-TFM	12.8	3.9	7.1	3.2	380/440V, 50Hz, 3ph
ZE54KME-TFM	13.4	4.2	7.7	3.2	380/440V, 50Hz, 3ph
ZE55KME-TFM	13.4	4.2	7.7	3.2	380/440V, 50Hz, 3ph
ZE61KCE-TFM	15.2	4.8	8.8	3.1	380/440V, 50Hz, 3ph
ZE65KCE-TFM	16.2	5.2	9.3	3.1	380/440V, 50Hz, 3ph
ZE76KCE-TFD	18.4	5.8	10.9	3.1	380/440V, 50Hz, 3ph 460V, 60Hz, 3ph

(ARI Condition @50Hz)

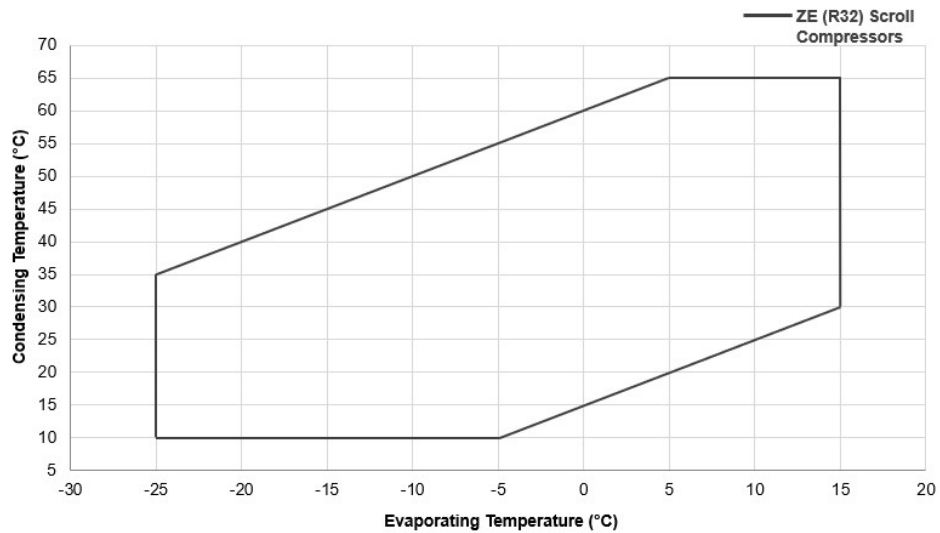
**Table 3 - Dimensions**

<b>Model Number</b>	<b>Diameter (mm)</b>	<b>Height (mm)</b>	<b>Oil Charge (L)</b>	<b>Net Weight (kg)</b>	<b>Suction ID (mm)</b>	<b>Discharge ID (mm)</b>
ZE36KUE-PFZ	166	419	1.24	33.4	22 ST	13 ST
ZE36KME-TFM	166	419	1.24	30.5	22 ST	13 ST
ZE39KUE-PFZ	166	419	1.24	33.4	22 ST	13 ST
ZE39KME-TFM	166	419	1.24	30.4	22 ST	13 ST
ZE42KUE-PFZ ZE42KME-TFM	166	419	1.24	30.6	22 ST	13 ST
ZE49KUE-TFM ZE49KME-TFM	166	419	1.24	30.4	22 ST	13 ST
ZE52KUE-TFM	166	419	1.24	30.4	22 ST	13 ST
ZE54KME-TFM	166	419	1.24	30.4	22 ST	13 ST
ZE55KME-TFM	166	419	1.24	30.0	22 ST	13 ST
ZE61KCE-TFM	186	445	1.89	40.3	22 ST	13 ST
ZE65KCE-TFM	186	445	1.89	40.3	22 ST	13 ST
ZE76KCE-TFD	186	445	1.77	40.3	22 ST	13 ST

ST – Stub Tube

The Copeland™ Scroll ZE series compressor operating envelope can be seen in Figure 1.

**Figure 1 – Operating Envelope for Copeland Scroll ZE Series Compressors**

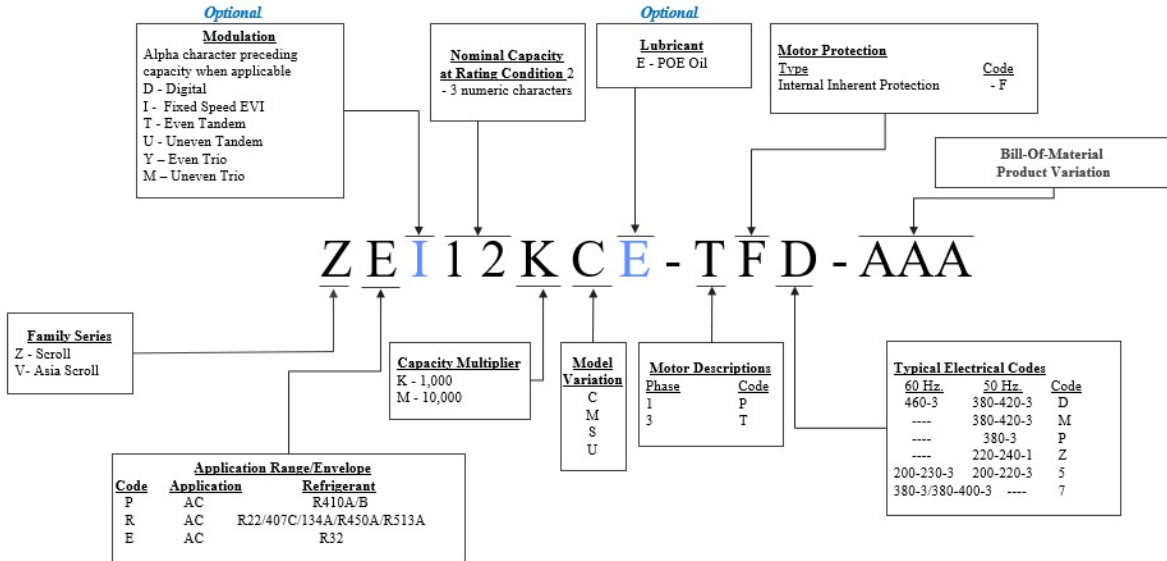


Note: For more information, please contact your local Application Engineer.

**Table 4**

BOM Configuration Detail	502	522/52E	542/54E
Stub Tube	✓	✓	✓
Terminal Block	✓		
Grounding	✓	✓	✓
Terminal Box/Cover (IP21)	✓	✓	
Circle Fence			✓
Mounting Parts	✓	✓	✓

## Copeland™ Scroll ZE Series Compressor Nomenclature



For more information on product performance, electrical and mechanical data, please contact your local Sales Manager, Application Engineer or Customer Service Representative.