

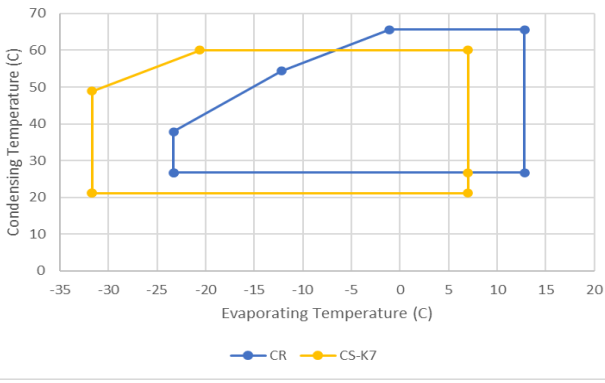
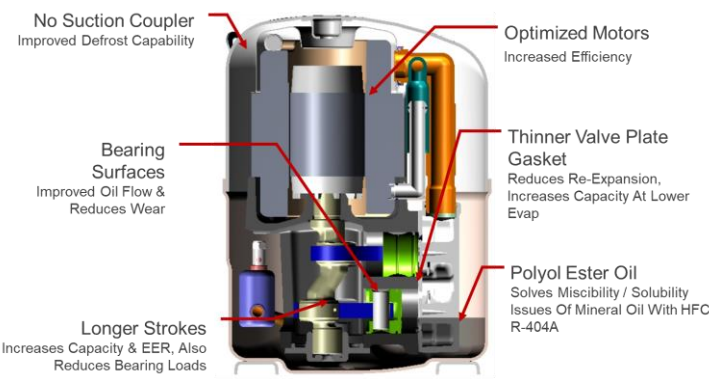


**NO:** 2022  
**DATE:** 26/05/2022  
**TO:** Refrigeration Customers  
**FROM:** Emerson Commercial & Residential Solutions, India  
**SUBJECT:** Release of CS\*K7 Hermetic Recip Compressor from India

Emerson Commercial and Residential Solutions is pleased to announce the release of CS\*K7 Hermetic Reciprocating compressors. CS\*K7 platform is designed for efficiency in medium temperature application (-10°C Evaporating Temp) with flexibility of wide envelop to operate in extended medium temperature application (-25°C Evaporating Temp). With 8 displacements covering 1.5 HP to 5 HP range, CS\*K7 line up perfectly complements our scroll line up. Available with crankcase heater and sight glass as standard with start kit on single phase models.

**Key Features:**

|   | <p style="text-align: center;"><b>CR*K6      CS*K7</b></p>    |                           |                           |     |    |    |     |    |    |     |    |    |   |    |    |    |    |    |   |
|---|--|---------------------------|---------------------------|-----|----|----|-----|----|----|-----|----|----|---|----|----|----|----|----|---|
| <p><b>Designed Based on Proven USA Design</b><br/>         CS*K7 was designed as a next iteration to proven USA design CSK6 Platform</p>  | <p><b>Designed For Refrigeration:</b><br/>         Large shell than CR*K6 that deliver 20% larger internal capacity volume, resulting in better liquid handling and higher reliability</p> |                           |                           |     |    |    |     |    |    |     |    |    |   |    |    |    |    |    |   |
|  <table border="1"> <caption>Condensing Temperature (C) vs Evaporating Temperature (C)</caption> <thead> <tr> <th>Evaporating Temp (C)</th> <th>CR Condensing Temp (C)</th> <th>CS-K7 Condensing Temp (C)</th> </tr> </thead> <tbody> <tr> <td>-30</td> <td>25</td> <td>50</td> </tr> <tr> <td>-25</td> <td>38</td> <td>60</td> </tr> <tr> <td>-10</td> <td>55</td> <td>60</td> </tr> <tr> <td>5</td> <td>65</td> <td>60</td> </tr> <tr> <td>10</td> <td>65</td> <td>60</td> </tr> </tbody> </table> | Evaporating Temp (C)   | CR Condensing Temp (C)    | CS-K7 Condensing Temp (C) | -30 | 25 | 50 | -25 | 38 | 60 | -10 | 55 | 60 | 5 | 65 | 60 | 10 | 65 | 60 |  <ul style="list-style-type: none"> <li>No Suction Coupler<br/>Improved Defrost Capability</li> <li>Optimized Motors<br/>Increased Efficiency</li> <li>Bearing Surfaces<br/>Improved Oil Flow &amp; Reduces Wear</li> <li>Thinner Valve Plate Gasket<br/>Reduces Re-Expansion, Increases Capacity At Lower Evap</li> <li>Longer Strokes<br/>Increases Capacity &amp; EER, Also Reduces Bearing Loads</li> <li>Polyol Ester Oil<br/>Solves Miscibility / Solubility Issues Of Mineral Oil With HFC R-404A</li> </ul> |
| Evaporating Temp (C)  | CR Condensing Temp (C)   | CS-K7 Condensing Temp (C) |                           |     |    |    |     |    |    |     |    |    |   |    |    |    |    |    |   |
| -30   | 25   | 50                        |                           |     |    |    |     |    |    |     |    |    |   |    |    |    |    |    |   |
| -25   | 38   | 60                        |                           |     |    |    |     |    |    |     |    |    |   |    |    |    |    |    |   |
| -10   | 55   | 60                        |                           |     |    |    |     |    |    |     |    |    |   |    |    |    |    |    |   |
| 5   | 65   | 60                        |                           |     |    |    |     |    |    |     |    |    |   |    |    |    |    |    |   |
| 10  | 65   | 60                        |                           |     |    |    |     |    |    |     |    |    |   |    |    |    |    |    |   |
| <p><b>Larger Envelop:</b><br/>         Caters to a wide range of applications like cold rooms and coolers</p>   | <p><b>Multi-Refrigeration Support:</b><br/>         R22, R404A, R448A/R449A</p>  |                           |                           |     |    |    |     |    |    |     |    |    |   |    |    |    |    |    |   |

**Model Availability (60Hz):**

| Model            | HP     | Capacity (kW) <sup>1</sup> | Motor Code | Electrical    | Oil | Tube   | Crank Case Heater | Sight Glass | Start Kit   |
|------------------|--------|----------------------------|------------|---------------|-----|--------|-------------------|-------------|-------------|
| CS20K7ME-PFV-100 | 1.5 HP | 3.3                        | PFV        | 1 Ph 208/230V | POE | Upward | N                 | Y           | 562-0345-45 |
| CS24K7ME-PFV-100 | 2 HP   | 4.0                        | PFV        | 1 Ph 208/230V | POE | Upward | N                 | Y           | 562-0345-45 |
| CS24K7ME-TF5-100 | 2 HP   | 3.9                        | TF5        | 3 Ph 200/230V | POE | Upward | N                 | Y           | N           |
| CS24K7ME-TFD-100 | 2 HP   | 4.0                        | TFD        | 3Ph 380/460V  | POE | Upward | N                 | Y           | N           |
| CS37K7ME-PFV-100 | 3 HP   | 6.2                        | PFV        | 1 Ph 208/230V | POE | Upward | N                 | Y           | 562-0345-46 |
| CS37K7ME-TF5-100 | 3 HP   | 6.3                        | TF5        | 3 Ph 200/230V | POE | Upward | N                 | Y           | N           |
| CS37K7ME-TFD-100 | 3 HP   | 6.2                        | TFD        | 3Ph 380/460V  | POE | Upward | N                 | Y           | N           |
| CS47K7ME-PFV-10A | 4 HP   | 8.5                        | PFV        | 1 Ph 208/230V | POE | Upward | Y                 | Y           | 562-0345-46 |
| CS47K7ME-TF5-20A | 4 HP   | 8.0                        | TF5        | 3 Ph 200/230V | POE | Upward | Y                 | Y           | N           |
| CS47K7ME-TFD-20A | 4 HP   | 8.1                        | TFD        | 3Ph 380/460V  | POE | Upward | Y                 | Y           | N           |
| CS62K7ME-TF5-20A | 5 HP   | 10.8                       | TF5        | 3 Ph 200/230V | POE | Upward | Y                 | Y           | N           |
| CS62K7ME-TFD-20A | 5 HP   | 10.8                       | TFD        | 3 Ph 200/230V | POE | Upward | Y                 | Y           | N           |

1. Evaporating Temp -6.7°C; Condensing Temp 48.9°C Suction Gas 4.4°C; 60Hz; R404A

We will start accepting orders for the new models effective immediately. Please refer to catalog for more information. For more information, please contact your local Emerson representative.