Fixed Swashplate Compressor

### Features
- Swash Plate type, Fixed Displacement compressor
- Enhanced noise & vibration with internal discharge muffler
- Improved reliability without refrigerant leak through gasket sealing
- Clutch option: Damper Clutch Decay Diode, Thermal Fuse, Speed Sensor

### Customer Benefits
- Compact size and light weight
- Low noise and vibration
- High speed capability up to 10,500 rpm
- High reliability

### ESTRA Advantage
- High efficiency
- Superior durability
- Enhanced NHV performance

### ESTRA Advantage Features
- Compact size and light weight
- Low noise and vibration
- High speed capability up to 10,500 rpm
- High reliability

### Additional Functions
- Lubrication / COP Improvement
- Clutch Options: Damper Clutch Decay Diode, Thermal Fuse, Speed Sensor

### Clutch Options
- Rubber Damper
- Diode
- Thermal Fuse
- Speed Sensor

### Gasket Seal
- No Refrigerant Leakage

### Internal Discharge Muffler
- Attenuated Discharge Pressure Pulsation

### Anodized Coated Piston
- Enhanced Durability

### Super Finished and Tin / Bi Coated Swash Plate
- Good Dry Start Performance

### ESTRA Advantage

<table>
<thead>
<tr>
<th>MODEL</th>
<th>CSP09</th>
<th>CSP11</th>
<th>CSP13</th>
<th>CSP15</th>
<th>CSP17</th>
<th>CSP20</th>
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</thead>
<tbody>
<tr>
<td>Displacement (cc/rev)</td>
<td>87</td>
<td>110</td>
<td>135</td>
<td>151</td>
<td>173</td>
<td>210</td>
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<tr>
<td>Length (mm)</td>
<td>164</td>
<td>172</td>
<td>191</td>
<td>191</td>
<td>203</td>
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<tr>
<td>Diameter (mm)</td>
<td>102</td>
<td>102</td>
<td>110</td>
<td>110</td>
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<td>110</td>
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<tr>
<td>Weight, w/clutch (kg)</td>
<td>4.1</td>
<td>4.2</td>
<td>5.5</td>
<td>5.6</td>
<td>5.8</td>
<td>5.9</td>
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<tr>
<td>Max Speed (rpm)</td>
<td>10,500</td>
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<td>10,500</td>
<td>10,500</td>
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<tr>
<td>Cooling Capacity (kW)</td>
<td>4.2</td>
<td>5.3</td>
<td>6.3</td>
<td>6.9</td>
<td>7.7</td>
<td>9.4</td>
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<tr>
<td>Torque (N.m)</td>
<td>9.1</td>
<td>11.6</td>
<td>13.9</td>
<td>15.3</td>
<td>17.4</td>
<td>22.2</td>
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