Fully Balanced High-Speed Compressor Systems

According to API 11P and ISO 13631

Full Range of Compressors

The preferred solution for a wide range of oil and gas applications are high-speed reciprocating compressor systems according to API 11P / ISO 13631. BCS High-Speed Compressors are available in different frames to match specific customer requirements. Services and spare parts management is available worldwide through the global Burckhardt Compression network.

Customer Benefits

- Fully balanced structure eliminates vibrations to surrounding infrastructure and machinery
- No special foundation required
- Small footprint
- Skidded solution with minimum interfaces
- CAPEX-optimized compressor system
- Easy replacement of wear parts
- Full range of after-sales services
- Global network of local service centers
The Right Solution for Your Application

Compressor Design

- Fully balanced to eliminate horizontal moments and forces
- Lubricated and non-lubricated designs
- Driven by electrical motor or gas engine
- Available with 2, 4 and 6 cranks
- Power up to 7'500 kW
- In compliance with API 11P / ISO 13631 standards

Available Compressor Frames

<table>
<thead>
<tr>
<th>Type</th>
<th>Throws</th>
<th>Stroke mm / in</th>
<th>Speed Range rpm</th>
<th>Rated Speed rpm</th>
<th>Max. Combined Rod Load kN / lbs</th>
<th>Max. Power at Rated Speed kW / hp</th>
</tr>
</thead>
<tbody>
<tr>
<td>HS-A</td>
<td>2, 4</td>
<td>70, 76 (2.75, 3.0)</td>
<td>750 – 1’800</td>
<td>1’500</td>
<td>50 / 11’250</td>
<td>440 / 590</td>
</tr>
<tr>
<td>HS-B</td>
<td>2, 4</td>
<td>105, 130, 150 (4.1, 5.1, 5.9)</td>
<td>600 – 1’500</td>
<td>1’000</td>
<td>100 / 22’500</td>
<td>1’200 / 1’600</td>
</tr>
<tr>
<td>HS-C</td>
<td>2, 4, 6</td>
<td>100, 130, 150 (3.9, 5.1, 5.9)</td>
<td>600 – 1’500</td>
<td>1’000</td>
<td>160 / 36’000</td>
<td>3’000 / 4’000</td>
</tr>
<tr>
<td>HS-D</td>
<td>2, 4, 6</td>
<td>105, 130, 140, 165 (4.1, 5.1, 5.5, 6.5)</td>
<td>300 – 1’500</td>
<td>1’000</td>
<td>220 / 49’500</td>
<td>4’500 / 6’000</td>
</tr>
<tr>
<td>HS-E</td>
<td>2, 4, 6</td>
<td>105, 130, 150, 170 (4.1, 5.1, 5.9, 6.7)</td>
<td>300 – 1’200</td>
<td>1’000</td>
<td>320 / 72’000</td>
<td>6’000 / 8’000</td>
</tr>
<tr>
<td>HS-F</td>
<td>2, 4, 6</td>
<td>105, 130, 150 (4.1, 5.1, 5.9)</td>
<td>300 – 1’200</td>
<td>1’000</td>
<td>450 / 101’250</td>
<td>7’500 / 10’000</td>
</tr>
</tbody>
</table>

Burckhardt Compression
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