**Target production rate:**
3,500 to 7,800 bbl/d at 60 Hz
[448 to 1,033 m³/d at 50 Hz]

**Casing diameter:**
7 in or larger

**Benefits**
- Reduces power consumption with high-efficiency design
- Improves reliability and extends system run life in abrasive applications

**Features**
- Application flexibility to accommodate production rates from 3,500 to 7,800 bbl/d at 60 Hz [448 to 1,033 m³/d at 50 Hz]
- Compression pump with factory shimming
- Optimized hydraulic designs based on computational fluid dynamics (CFD)
- High-strength MONEL® and INCONEL® shafts
- Patented abrasion-resistant bearing configuration for reliability in sandy wells and other demanding applications
- Compliant-mounted radial bearing systems that minimize vibration and wear
- Availability of corrosion-resistant coatings and stainless steel construction for wells with H₂S, CO₂, or other corrosive elements
- Availability of thermally compensated pumps that enable high-temperature operations

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**S6000N Pump Specifications**

**Best efficiency point (BEP)**

<table>
<thead>
<tr>
<th>Capacity, bbl/d</th>
<th>Power, hp</th>
<th>Efficiency, %</th>
</tr>
</thead>
</table>

**General**

<table>
<thead>
<tr>
<th>OD, in [mm]</th>
<th>5.38 [136]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stage geometry</td>
<td>Mixed flow</td>
</tr>
<tr>
<td>Stage metallurgy</td>
<td>Ni-Resist®, 5530 alloy</td>
</tr>
<tr>
<td>Housing metallurgy</td>
<td>Carbon steel, Redalloy® high-nickel alloy</td>
</tr>
<tr>
<td>Shaft diameter, in [mm]</td>
<td>1.00 [25]</td>
</tr>
<tr>
<td>Shaft material; rating at 60 Hz, hp</td>
<td>INCONEL 718, 720</td>
</tr>
<tr>
<td>Shaft radial support options</td>
<td>ES, ARZ, FBH</td>
</tr>
<tr>
<td>Pump construction</td>
<td>Enhanced compression design, factory-shimmed</td>
</tr>
</tbody>
</table>

1 Enhanced stability option with tungsten carbide bushing.
2 ARZ abrasion-resistant zirconia bearing, tungsten carbide bushing, and sleeve.
3 Full bearing housing.

All specifications are subject to change without notice.

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**Additional information**

Factory-shimmed high-strength shafts increase pump reliability. Factory shimming enables precise shaft setting to match REDA® Maximus® install-ready ESP motors and protectors and reduce installation time by at least 60%.

The patented ARZ abrasion-resistant tungsten carbide bearings and compression-ring construction provide advanced radial stability even in the most challenging conditions, minimizing vibration, ensuring smooth operation and reduced wear. The compliant-mounted bearings repeatedly show less wear in tests and actual field performance over a wide range of well conditions as compared with alternative bearing materials.