DL1600M-R
Generator Set for Drilling Applications

Land Rig SCR Power
- Designed and built to meet the demanding requirements of the drilling contractor

High Reliability
- Rugged design
- Easy maintenance
- Long service life

Low Operating Cost
- High fuel efficiency
- Long service intervals

Meets Most International Specifications

Standard Equipment
- EPA Tier 2 non-road certified
- Electronic engine controls
- Generator space heater
- Stator RTDs
- Heavy duty, structural steel base
- Lifting provisions
- Fuel supply/return connections
- Air starting system
- Batteries, 12V lead calcium (2)
- Battery boxes, polyethylene (2)
- Generator, two-bearing design
- Dry type air filter, heavy duty
- Service indicator
- Air intake shutoff valve
- Radiator, 122°F (50°C)
- Blower fan, engine belt driven
- Lube oil filters
- Engine mounted oil cooler
- Fuel filters, primary & secondary
- Control Panel, unit-mounted

Options
- Generator air filters
- Bearing RTD (1 per)
- Electric starter 24 VDC
- Dual air/electric starting system
- Exhaust Silencers
- Rain caps
- Exhaust flexible connections, SS
- Radiator, 131°F (55°C)
- Remote cooling package
- Copon coating
- Lube oil heating system
- Duplex fuel filters
- Fuel/water separator
- Control Panel, remote-mounted

See Back For Product Specifications
## DL1600M-R SCR Generator Set

### RATINGS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drilling (prime) kWe/kVA rating @ 60 Hz*</td>
<td>1633/2041</td>
</tr>
<tr>
<td>Rated Voltage</td>
<td>600/346 VAC</td>
</tr>
<tr>
<td>Rated Frequency</td>
<td>60 Hz</td>
</tr>
<tr>
<td>Rated Power Factor (lagging)</td>
<td>0.7</td>
</tr>
</tbody>
</table>

*At voltage, frequency and PF according to ISO 3046/1 conditions.

### ENGINE

<table>
<thead>
<tr>
<th>Specification</th>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manufacturer</td>
<td>MTU</td>
<td></td>
</tr>
<tr>
<td>Model</td>
<td>16V4000</td>
<td></td>
</tr>
<tr>
<td>Type</td>
<td>4 cycle</td>
<td></td>
</tr>
<tr>
<td>Fuel</td>
<td>Diesel</td>
<td></td>
</tr>
<tr>
<td>Cylinders</td>
<td>V-16</td>
<td></td>
</tr>
<tr>
<td>Power output (hp)</td>
<td>2425</td>
<td></td>
</tr>
<tr>
<td>Speed (rated)</td>
<td>1800 rpm</td>
<td></td>
</tr>
</tbody>
</table>

### GENERATOR

<table>
<thead>
<tr>
<th>Specification</th>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>Brushless</td>
<td></td>
</tr>
<tr>
<td>Poles</td>
<td>4 pole</td>
<td></td>
</tr>
<tr>
<td>Stator</td>
<td>Form wound</td>
<td></td>
</tr>
<tr>
<td>Bearing</td>
<td>Dual, sealed</td>
<td></td>
</tr>
<tr>
<td>Insulation</td>
<td>Class H</td>
<td></td>
</tr>
<tr>
<td>Temperature rise</td>
<td>DVR</td>
<td></td>
</tr>
<tr>
<td>Voltage Regulation</td>
<td>DVR</td>
<td></td>
</tr>
</tbody>
</table>

### DIMENSIONS

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight (approx.)</td>
<td>64,000 lbs</td>
</tr>
<tr>
<td>L × W × H (in inches)</td>
<td>312 × 118 × 126</td>
</tr>
</tbody>
</table>

All dimensions are in inches and are approximate. Air filters to be shipped loose, max dimensions shown.

---

**Contact us today.**

- **Albuquerque, NM**
  +1 505-881-3511
- **Amarillo, TX**
  +1 806-352-4717
- **Casper, WY**
  +1 307-234-6975
- **Corpus Christi, TX**
  +1 361-289-5350
- **Dallas, TX**
  +1 214-631-5370
- **Denver, CO**
  +1 303-287-7441
- **El Paso, TX**
  +1 915-790-1848
- **Farmington, NM**
  +1 505-325-5071
- **Gillette, WY**
  +1 307-685-6413
- **Grand Junction, CO**
  +1 970-248-4100
- **Houston, TX**
  +1 713-671-6220
- **Lafayette, LA**
  +1 337-837-9001
- **Longview, TX**
  +1 903-758-5562
- **Lubbock, TX**
  +1 806-745-4224
- **New Orleans, LA**
  +1 504-347-4326
- **Odessa, TX**
  +1 432-563-4800
- **Pharr, TX**
  +1 956-787-6880
- **Pueblo, CO**
  +1 719-543-7056
- **San Antonio, TX**
  +1 210-662-1000
- **Waco, TX**
  +1 254-857-4351
- **Wichita Falls, TX**
  +1 940-322-5227

---


All data subject to change without notice. The information in this bulletin is believed to be accurate but all recommendations are made without warranty, since the conditions of use are beyond Stewart & Stevenson's control. Stewart & Stevenson disclaims any liability in connection with the use of this information, and does not warrant against infringement by reason of the use of any of its products in combination with other material or in any process. Stewart & Stevenson warrants only that the product complies with specifications agreed to in contracts of sale.

---

A Century of Innovation