Standard Features

Cat® Diesel Engine
- Designed and optimized for low fuel consumption
- Reliable performance proven in thousands of applications worldwide

Generator Set Package
- Accepts 100% block load in one step and meets NFPA 110 loading requirements
- Conforms to ISO 8528-5 G3 load acceptance requirements
- Reliability verified through torsional vibration, fuel consumption, oil consumption, transient performance, and endurance testing

Alternators
- Superior motor starting capability minimizes need for oversizing generator
- Designed to match performance and output characteristics of Cat diesel engines

Cooling System
- Cooling systems available to operate in ambient temperatures up to 50°C (122°F)
- Tested to ensure proper generator set cooling

EMCP 4 Control Panels
- User-friendly interface and navigation
- Scalable system to meet a wide range of installation requirements
- Expansion modules and site specific programming for specific customer requirements

Warranty
- 24 months/1000-hour warranty for standby and mission critical ratings
- 12 months/unlimited hour warranty for prime and continuous ratings
- Extended service protection is available to provide extended coverage options

Worldwide Product Support
- Cat dealers have over 1,800 dealer branch stores operating in 200 countries
- Your local Cat dealer provides extensive post-sale support, including maintenance and repair agreements

Financing
- Caterpillar offers an array of financial products to help you succeed through financial service excellence
- Options include loans, finance lease, operating lease, working capital, and revolving line of credit
- Contact your local Cat dealer for availability in your region

| Bore – mm (in) | 137.2 (5.4) |
| Stroke – mm (in) | 152.4 (6.0) |
| Displacement – L (in³) | 27.03 (1649.47) |
| Compression Ratio | 16.5:1 |
| Aspiration | TA |
| Fuel System | MEUI |
| Governor Type | ADEM™ A4 |

Image shown may not reflect actual configuration

<table>
<thead>
<tr>
<th>Standby 60 Hz ekW (kVA)</th>
<th>Prime 60 Hz ekW (kVA)</th>
<th>Standby 60 Hz ekW (kVA)</th>
<th>Prime 60 Hz ekW (kVA)</th>
<th>Emissions Performance</th>
</tr>
</thead>
<tbody>
<tr>
<td>750 (937)</td>
<td>680 (850)</td>
<td>800 (1000)</td>
<td>725 (906)</td>
<td>Optimized for Low Fuel Consumption</td>
</tr>
</tbody>
</table>
## Optional Equipment

### Engine
- Air Cleaner
  - Single element
  - Dual element
  - Heavy duty
- Muffler
  - Residential grade (25 dB)
- Starting
  - Standard batteries
  - Oversized batteries
  - Standard electric starter(s)
  - Jacket water heater

### Alternator
- Output voltage
  - 208V
  - 240V
  - 480V
  - 600V
- Temperature Rise (over 40°C ambient)
  - 150°C
  - 125°C
  - 105°C
  - 80°C
- Winding type
  - Random wound
- Excitation
  - Internal excitation (IE)
- Attachments
  - Anti-condensation heater
  - Stator and bearing temperature monitoring and protection

### Power Termination
- Type
  - Bus bar
  - Circuit breaker
  - 400A
  - 1200A
  - 2000A
  - 3000A
  - UL
  - IEC
  - 3-pole
  - 4-pole
  - Manually operated
  - Electrically operated
- Trip Unit
  - LSI
  - LSI-G
  - LSIG-P

### Factory Enclosure
- Sound attenuated

### Attachments
- Cold weather bundle
- DC lighting package
- Motorized louvers

### Fuel Tank
- 1000 gal (3785 L)
- 2000 gal (7571 L)
- 3600 gal (13627 L)

### Control System
- Controller
  - EMCP 4.2B
  - EMCP 4.3
  - EMCP 4.4
- Attachments
  - Local annunciator module
  - Remote annunciator module
  - Expansion I/O module
  - Remote monitoring software

### Charging
- Battery charger – 10A
- Battery charger – 20A
- Battery charger – 30A

### Vibration Isolators
- Rubber
- Spring
- Seismic rated

### Cat Connect
- Connectivity
  - Ethernet
  - Cellular
  - Satellite

### Extended Service Options
- Terms
  - 2 year (prime)
  - 3 year
  - 5 year
  - 10 year
- Coverage
  - Silver
  - Gold
  - Platinum
  - Platinum Plus

### Ancillary Equipment
- Automatic transfer switch (ATS)
- Uninterruptible power supply (UPS)
- Paralleling switchgear
- Paralleling controls

### Certifications
- UL 2200 Listed
- CSA
- IBC seismic certification
- OSHPD pre-approval

---

**Note:** Some options may not be available on all models. Certifications may not be available with all model configurations. Consult factory for availability.
## Package Performance

<table>
<thead>
<tr>
<th>Performance</th>
<th>Standby</th>
<th>Prime</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Frequency</td>
<td>60 Hz</td>
<td>60 Hz</td>
<td>60 Hz</td>
<td>60 Hz</td>
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<tr>
<td>Gen set power rating with fan</td>
<td>750 e kW</td>
<td>680 e kW</td>
<td>800 e kW</td>
<td>725 e kW</td>
</tr>
<tr>
<td>Gen set power rating with fan @ 0.8 power factor</td>
<td>937 kVA</td>
<td>850 kVA</td>
<td>1000 kVA</td>
<td>906 kVA</td>
</tr>
<tr>
<td>Emissions</td>
<td>Low Fuel</td>
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<tr>
<td>Performance number</td>
<td>DM9072-01</td>
<td>DM9074-02</td>
<td>DM9068-01</td>
<td>DM9070-02</td>
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### Fuel Consumption

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### Cooling System

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### Inlet Air

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### Emissions* (Potential Site Variation)

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*mg/Nm³ levels are corrected to 5% O₂. Contact your local Cat dealer for further information.
Weights and Dimensions

<table>
<thead>
<tr>
<th>Dim “A” (mm (in))</th>
<th>Dim “B” (mm (in))</th>
<th>Dim “C” (mm (in))</th>
<th>Dry Weight (kg (lb))</th>
</tr>
</thead>
<tbody>
<tr>
<td>4674 (184.0)</td>
<td>1723 (67.8)</td>
<td>2162 (85.1)</td>
<td>6622 (14,600)</td>
</tr>
</tbody>
</table>

Note: For reference only. Do not use for installation design. Contact your local Cat dealer for precise weights and dimensions.

Ratings Definitions

Standby
Output available with varying load for the duration of the interruption of the normal source power. Average power output is 70% of the standby power rating. Typical operation is 200 hours per year, with maximum expected usage of 500 hours per year.

Prime
Output available with varying load for an unlimited time. Average power output is 70% of the prime power rating. Typical peak demand is 100% of prime rated e kW with 10% overload capability for emergency use for a maximum of 1 hour in 12. Overload operation cannot exceed 25 hours per year.

Applicable Codes and Standards

Note: Codes may not be available in all model configurations. Please consult your local Cat dealer for availability.

Data Center Applications
• ISO 8528-1 Data Center Power (DCP) compliant per DCP application of Cat diesel generator set prime power rating.
• All ratings Tier III/Tier IV compliant per Uptime Institute requirements.
• All ratings ANSI/TIA-942 compliant for Rated-1 through Rated-4 data centers.

Fuel Rates
Fuel rates are based on fuel oil of 35º API [16ºC (60ºF)] gravity having an LHV of 42,780 kJ/kg (18,390 Btu/lb) when used at 29ºC (85ºF) and weighing 838.9 g/liter (7.001 lbs/U.S. gal.)