Rental Power
750 - 1500 kW

Description
This Cummins Power Generation rental package is a fully integrated mobile power generation system, providing optimum performance, reliability and versatility for standby and prime power applications.

Features
Cummins diesel engines
- Lightweight, compact, and excellent fuel economy.
- Operate at up to 45° C (113° F) with no effect on output.
- Equipped with heavy duty air cleaners and bypass-type oil filters.
- Equipped with electronic governor.
- Includes jacket water heaters for more reliable operation in emergency standby applications.

Engine controls
- The most advanced, reliable, and capable generator set control system available in the market today.
- Integrated generator set governing, voltage regulation, protection, and paralleling functionality in one easy-to-operate customer interface.
- Multiple units and grid paralleling capable.
- Remote monitoring and operation ready.
- Integrated ground fault indication.
- Optional freestanding, electronically operated, closed-transition transfer switches are available.

Stamford® alternators
- Designed and built by Cummins Power Generation.
- Paralleling capable and voltage reconnectable (208/480 VAC of 750 kW model).
- Oversized alternator for improved motor starting and low temperature rise in prime and continuous applications.
- Permanent magnet excitation for improved performance in cyclic and non-linear load applications.

Model kW rating Cummins engine model Sound level Generator specification sheet # Hours of operation (75% load) Standby Prime
DFHA 750 680 QST30-G1 82 S-1134 50 Hz, S-1132 60 Hz 43 48
DFHC 900 818 QST30-G3 82 S-1138 60 Hz 39 43
DFJD 1000 900 KTA38-G4 82 S-1233 50 Hz, S-1230 60 Hz 32 35
DFLC 1250 1100 KTA50-G3 82 S-1150 50 Hz; S-1149 60 Hz 28 31
DFMB 1500 1250 KTTA50-G2 82 S-1152 50 Hz, S-1151 60 Hz 23 27
Cummins cooling system
- Optimized for maximum efficiency and minimum noise.
- Propylene glycol coolant for greater environmental protection.

Custom switchgear
- Designed and built to meet severe customer requirements.
- Automatic start/stop control for applications using automatic transfer switches.
- Easy connection to existing installations using lugs or installed CAM-LOK® connectors.
- 5-cycle closure, motor-operated circuit breaker for automatic paralleling.
- Convenient shore power connection provides power to interior lighting, jacket water heaters, battery charger, and alternator anti-condensation space heaters allowing quick starts even in arduous applications.

ISO Container Enclosure
- Purpose built 40-foot high cube ISO container.
- Easy to transport.
- Optimal unit protection with minimum size.
- Optimized fuel capacity.
- Fluid containment design for greater environmental protection.
- Sound attenuated to minimize impact on local environment.
- Vertical cooling air and engine exhaust path to minimize sound level adjacent to the container.
- Equipped with 120 VAC and 24 VDC lighting.

Running Gear
- 40-foot tandem axle chassis.
- Anti-lock brake system.

Control System

PowerCommand control with AmpSentry™ protection
- Integrated automatic voltage regulator and engine speed governor
- AmpSentry protection guards the electrical integrity of the alternator and power system from the effects of overcurrent, over/under voltage, under frequency and overload conditions
- Control components designed to withstand the vibration levels typical in generator sets

Standard control description
- Analog % of current meter (amps)
- Analog AC frequency meter
- Analog AC voltage meter
- Analog % of load meter (kW)
- Cycle cranking control
- Digital display panel
- Emergency stop switch
- Idle mode control
- Menu switch
- Panel backlighting
- Remote starting, 12 volt, 2 wire
- Reset switch
- Run-off-auto switch
- Sealed front panel, gasketed door
- Self diagnostics
- Separate customer interconnection box
- Voltmeter/Ammeter phase selector switch

Standard protection functions

<table>
<thead>
<tr>
<th>Warnings</th>
<th>Shutdowns</th>
<th>Standard performance data</th>
</tr>
</thead>
<tbody>
<tr>
<td>High coolant temperature</td>
<td>Emergency stop</td>
<td>Current by Phase</td>
</tr>
<tr>
<td>High DC voltage</td>
<td>Fail to crank</td>
<td>Kilowatts</td>
</tr>
<tr>
<td>Low coolant temperature</td>
<td>High AC voltage</td>
<td>Kilowatt Hours</td>
</tr>
<tr>
<td>Low DC voltage</td>
<td>High coolant temperature</td>
<td>Power Factor</td>
</tr>
<tr>
<td>Low oil pressure</td>
<td>Low coolant level (option for alarm only)</td>
<td>Voltage line to line</td>
</tr>
<tr>
<td>Overcurrent</td>
<td>Low AC voltage</td>
<td>Voltage line to neutral</td>
</tr>
<tr>
<td>Oil pressure sender fault</td>
<td>Low oil pressure</td>
<td>Battery voltage</td>
</tr>
<tr>
<td>Overload load shed contacts</td>
<td>Magnetic pickup failure</td>
<td>Coolant temperature</td>
</tr>
<tr>
<td>Temperature sender fault</td>
<td>Overcrank</td>
<td>Engine running hours</td>
</tr>
<tr>
<td>Up to four customer fault inputs</td>
<td>Overspeed</td>
<td>Engine starts counter</td>
</tr>
<tr>
<td>Weak battery</td>
<td>Short circuit</td>
<td>Oil pressure</td>
</tr>
<tr>
<td></td>
<td>Underfrequency</td>
<td>Oil temperature</td>
</tr>
<tr>
<td></td>
<td></td>
<td>RPM</td>
</tr>
</tbody>
</table>

Optional Features Shown

- Emergency stop switch
- Separate customer interconnection box
- Voltmeter/Ammeter phase selector switch

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Ratings definitions

Standby:
Applicable for supplying emergency power for the duration of normal power interruption. No sustained overload capability is available for this rating. Nominally rated. (Equivalent to Fuel Stop Power in accordance with ISO3046, AS2789, DIN6271, and BS5514.)

Prime (unlimited running time):
Applicable for supplying power in lieu of commercially purchased power. Prime power is the maximum power available at a variable load for an unlimited number of hours. A 10% overload capability is available for limited time. Nominally rated. (Equivalent to Prime Power in accordance with ISO8528 and Overload Power in accordance with ISO3046, AS2789, DIN6271, and BS5514.)

Base load (continuous)
Applicable for supplying power continuously to a load for this rating. Nominally rated. Consult authorized distributor for rating. (Equivalent to Continuous Power in accordance with ISO8528, ISO3046, AS2789, DIN6271, and BS5514.)

Dimensions

<table>
<thead>
<tr>
<th>Model</th>
<th>Dim “A” mm (in.)</th>
<th>Dim “B” mm (in.)</th>
<th>Dim “C” mm (in.)</th>
<th>Weight w/o fuel kg (lbs)</th>
<th>Weight with fuel kg (lbs)</th>
<th>Fuel capacity liters (gal)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DFHA</td>
<td>12192 (480)</td>
<td>2438 (96)</td>
<td>4115 (162)</td>
<td>25572 (56260)</td>
<td>31220 (68685)</td>
<td>6624 (1750)</td>
</tr>
<tr>
<td>DFHC</td>
<td>12192 (480)</td>
<td>2438 (96)</td>
<td>4115 (162)</td>
<td>25572 (56260)</td>
<td>31220 (68685)</td>
<td>6624 (1750)</td>
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<tr>
<td>DFJD</td>
<td>12192 (480)</td>
<td>2438 (96)</td>
<td>4115 (162)</td>
<td>26936 (59260)</td>
<td>32584 (71685)</td>
<td>6624 (1750)</td>
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<tr>
<td>DFJC</td>
<td>12192 (480)</td>
<td>2438 (96)</td>
<td>4115 (162)</td>
<td>28300 (62260)</td>
<td>33947 (74685)</td>
<td>6624 (1750)</td>
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<tr>
<td>DFMB</td>
<td>12192 (480)</td>
<td>2438 (96)</td>
<td>4115 (162)</td>
<td>30636 (67400)</td>
<td>36284 (79825)</td>
<td>6624 (1750)</td>
</tr>
</tbody>
</table>

Note: All weights and dimensions are without trailer.