STANDARD EQUIPMENT

Air Inlet System
Regular duty air cleaner, rain cap

Charging System
24V 35 Amp alternator

Cooling System
Gear driven, self-priming, centrifugal auxiliary water pump with rubber impeller (heat exchanger engines); gear driven, centrifugal, jacket water pump; expansion tank; oil cooler; engine mounted heat exchanger with removable tube bundle and replaceable copper-nickel tubes (heat exchanger engines); thermostat and housing

Exhaust System
Watercooled manifold and turbocharger; dry elbow and flange, 127 mm (5 in.)

Flywheel and Flywheel Housing
SAE No. 1 (156 teeth)

Fuel System
Fuel priming pump, fuel transfer pump, fuel filter, primary fuel filter, flexible fuel lines

Instruments
RH instrument panel with oil pressure, water temperature, and fuel pressure gauges; service meter

Lube System
Top mounted crankcase breather, LH oil filter and oil level gauge, oil pan

Mounting System
Supports

Starting System
24V electric starting motor

General
Vibration damper and guard, Caterpillar yellow paint, lifting eyes

ACCESSORY EQUIPMENT

Air Starting Motor

Alarm Contactor — Oil Pressure, Water Temperature
24V 35 Amp, 24V 60 Amp Alternator

Auxiliary Drive Pulley

Digital Tachometer

Double Wall Fuel Lines and Drain

12V Electric Gauges — Oil Pressure, Water Temperature

24V or 32V Electric Gauges — Oil Pressure, Water Temperature

Electric Shutoffs — Oil Pressure, Water Temperature, Overspeed

Ether Starting Aid

Exhaust Elbow, Pipe, Flexible Fittings

Fuel Ratio Control

Generator Installation Arrangement

Hydraulic Pump Drive and Adapter

Magnetic Pickup

Manual Shutoff Lever

Manual Voltage Control

Mechanical Tachometer Drive

Mechanical Overspeed Contactor

Paralleling Kit

Rear Enclosed Clutch and Support

RFI Filter

RH Oil Level Gauge

Solenoid Shutoff — 12V or 24V, ETR or ETS

Spare Parts Kit

PERFORMANCE DATA

Turbocharged-Aftercooled

DM0676-00

<table>
<thead>
<tr>
<th>% load</th>
<th>bkW</th>
<th>Lph</th>
<th>gph</th>
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<tr>
<td>100</td>
<td>96</td>
<td>30.4</td>
<td>8.0</td>
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<tr>
<td>75</td>
<td>75</td>
<td>23.9</td>
<td>6.3</td>
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<tr>
<td>50</td>
<td>50</td>
<td>16.7</td>
<td>4.4</td>
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<tr>
<td>25</td>
<td>26</td>
<td>10.3</td>
<td>2.7</td>
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</table>
 DIMENSIONS*

<table>
<thead>
<tr>
<th>Description</th>
<th>mm</th>
<th>in.</th>
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</thead>
<tbody>
<tr>
<td>Overall Length</td>
<td>1715.6</td>
<td>67.5</td>
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<tr>
<td>Length from front to rear face of block</td>
<td>1285.0</td>
<td>50.6</td>
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<tr>
<td>Length from rear face of block to back of flywheel housing</td>
<td>149.8</td>
<td>5.9</td>
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<tr>
<td>Overall Height</td>
<td>1227.2</td>
<td>48.3</td>
</tr>
<tr>
<td>Height from crankshaft centerline to top of engine</td>
<td>904.4</td>
<td>35.6</td>
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<tr>
<td>Height from crankshaft centerline to bottom of oil pan</td>
<td>322.8</td>
<td>12.7</td>
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<tr>
<td>Overall Width</td>
<td>956.7</td>
<td>37.7</td>
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<tr>
<td>Width from crankshaft centerline to port side (left side)</td>
<td>434.8</td>
<td>17.1</td>
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<tr>
<td>Width from crankshaft centerline to starboard side (right side)</td>
<td>521.9</td>
<td>20.6</td>
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<tr>
<td>Customer mounting hole diameter</td>
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<tr>
<td>Width from crankshaft centerline to side</td>
<td>265.1</td>
<td>10.4</td>
</tr>
<tr>
<td>Length from rear face of block to mounting hole</td>
<td>913.9</td>
<td>36.0</td>
</tr>
</tbody>
</table>

*Illustrations and dimensions from drawing: 118-7822.

RATING CONDITIONS

**Engine Performance Parameters**

- Power: ±3%
- Specific Fuel Consumption: ±3%
- Fuel Rate: ±5%

**Ratings** are based on SAE J1228/ISO8665 standard conditions of 100 kPa (29.61 in. Hg), 25°C (77°F), and 30% relative humidity. These ratings also apply at ISO3046/1, DIN6271/3, and BS5514 conditions of 100 kPa (29.61 in. Hg), 27°C (81°F), and 60% relative humidity.

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

Additional ratings may be available for specific customer requirements. Consult your Caterpillar representative for additional information.

Performance data is calculated in accordance with tolerances and conditions stated in this specification sheet and is only intended for purposes of comparison with other manufacturers' engines. Actual engine performance may vary according to the particular application of the engine and operating conditions beyond Caterpillar’s control.

TMI Reference No.: DM0676-00 (6-15-01)

Materials and specifications are subject to change without notice. The International System of Units (SI) is used in this publication.

LEHM1567-00 (6-01)
Supersedes LEHM5611

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