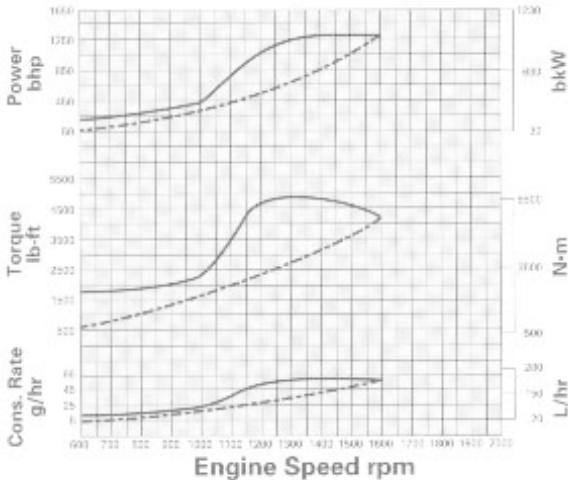


PERFORMANCE CURVES

A Rating – 1600 rpm
 955 kW (1280 bhp) 1298 mhp

TMI — DM2874-03



| Prop Demand Curve Data | | | | | Max Power Curve Data | | | |
|------------------------|----------|------------|--------------------|----------------|----------------------|------------|--------------------|----------------|
| Speed rpm | Power kW | Torque N-m | Fuel Cons g/bkW-hr | Fuel Rate L/hr | Power kW | Torque N-m | Fuel Cons g/bkW-hr | Fuel Rate L/hr |
| 1600 | 955 | 5697 | 195 | 221.9 | 955 | 5697 | 195 | 221.9 |
| 1400 | 639 | 4362 | 206 | 156.9 | 955 | 6511 | 199 | 226.6 |
| 1200 | 403 | 3204 | 216 | 103.8 | 800 | 6366 | 210 | 200.0 |
| 1000 | 233 | 2225 | 219 | 60.8 | 325 | 3104 | 224 | 86.9 |
| 800 | 119 | 1424 | 231 | 32.9 | 220 | 2626 | 228 | 59.7 |
| 600 | 50 | 801 | 275 | 16.5 | 154 | 2451 | 231 | 42.5 |

| Speed rpm | Power bhp | Torque lb-ft | Fuel Cons lb/bhp-hr | Fuel Rate g/hr | Power bhp | Torque lb-ft | Fuel Cons lb/bhp-hr | Fuel Rate g/hr |
|-----------|-----------|--------------|---------------------|----------------|-----------|--------------|---------------------|----------------|
| 1600 | 1280 | 4202 | .321 | 58.6 | 1290 | 4202 | .321 | 58.6 |
| 1400 | 857 | 3217 | .338 | 41.4 | 1280 | 4802 | .327 | 59.9 |
| 1200 | 540 | 2363 | .356 | 27.4 | 1073 | 4695 | .345 | 52.8 |
| 1000 | 312 | 1641 | .360 | 16.1 | 436 | 2289 | .369 | 23.0 |
| 800 | 160 | 1050 | .380 | 8.7 | 295 | 1937 | .374 | 15.8 |
| 600 | 67 | 591 | .452 | 4.4 | 207 | 1808 | .380 | 11.2 |

A RATING – For heavy-duty service in vessels such as freighters, tugboats, bottom drag trawlers, and deep river towboats when the engine is operated at rated load and speed up to 100% of the time without interruption or load cycling.

- Prop Demand ----- 3.0 Exponent
- Engine Performance Parameters: Power +/- 3%; Specific Fuel Consumption +/- 3%; Fuel Rate +/- 5%.

DIMENSIONS



RATING DEFINITIONS AND CONDITIONS

Ratings are based on SAE J1228 standard conditions of 100 kPa (29.61 in Hg) and 25° C (77° F). These ratings also apply at ISO3046/1, ISO8665, DIN6271, and BS5514 standard conditions of 100 kPa (29.61 in Hg), 27° C (81° F) and 60% relative humidity. Ratings are valid for air cleaner inlet temperatures up to and including 50° C (122° F) and for sea water temperatures up to and including 42° C (108° F) at sea level.

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/liter (7.001 lbs/U.S. gal). Fuel consumption shown with all oil, fuel, and water pumps, engine driven. For a “without pumps” condition, deduct approximately 0.5% for each pump not engine driven.

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

customer requirements. Consult your Caterpillar representative for details.

Materials and specifications are subject to change without notice.
LEHM7269-01

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