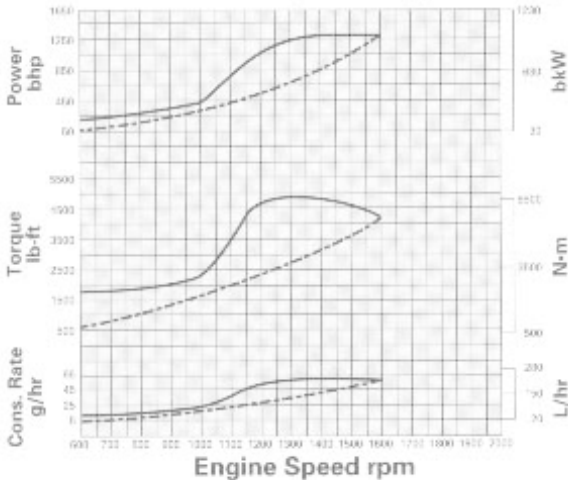


PERFORMANCE CURVES

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. Contact your Caterpillar representative for details.

Materials and specifications are subject to change without notice.
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