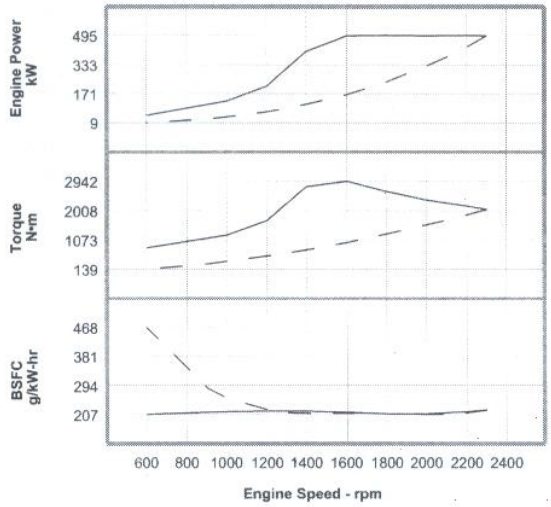
MARINE ENGINE PERFORMANCE

Preliminary

C12 DITA ACERT COMPACT
492 bkW (660 bhp) @ 2300 rpm
E Rating (High Performance) — DM7530-01

EPA Tier II and IMO Compliant

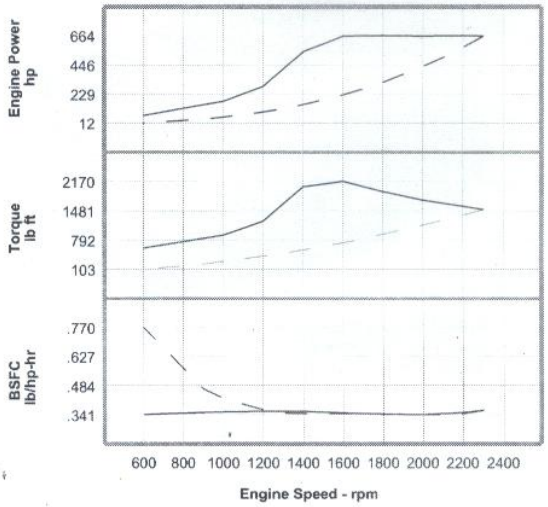


Metric — Maximum Power — Prop Demand — 492 kW

Preliminary Performance Data

	Engine Speed rpm	Engine Power kW	Engine Torque N•m	BSFC g/kW-hr	Fuel Rate L/hr
Maximum Power Data	2300	492.0	2043	220.0	129.0
	2200	494.9	2148	214.1	126.3
	2000	492.7	2353	208.0	122.2
	1800	493.8	2620	208.9	123.0
	1600	493.0	2942	212.6	124.9
	1400	406.3	2771	216.1	104.7
	1200	210.4	1675	216.3	54.3
	1000	128.2	1225	214.5	32.8
	600	50.9	810	206.9	12.5
Prop Demand Data	2300	492.0	2043	220.0	129.0
	2200	430.6	1869	211.2	108.4
	2100	374.5	1703	207.0	92.4
	2000	323.5	1545	206.6	79.7
	1800	235.8	1251	209.1	58.8
	1600	165.6	989	210.7	41.6
	1400	111.0	757	210.1	27.8
	1300	88.8	653	212.2	22.5
	1200	69.9	556	220.8	18.4
	900	29.5	313	283.8	10.0
	600	8.7	139	468.5	4.9

Cubic prop demand curve with 3.0 exponent for displacement hulls only.



English — Maximum Power — Prop Demand — 660 hp

Preliminary Performance Data

	Engine Speed rpm	Engine Power hp	Engine Torque lb ft	BSFC lb/hp-hr	Fuel Rate gph
Maximum Power Data	2300	659.8	1507	.362	34.1
	2200	663.7	1584	.352	33.4
	2000	660.7	1735	.342	32.3
	1800	662.2	1932	.343	32.5
	1600	661.1	2170	.350	33.0
	1400	544.9	2044	.355	27.7
	1200	282.2	1235	.356	14.3
	1000	171.9	903	.353	8.7
	600	68.3	597	.340	3.3
Prop Demand Data	2300	659.8	1507	.362	34.1
	2200	577.4	1378	.347	28.6
	2100	502.2	1256	.340	24.4
	2000	433.8	1139	.340	21.1
	1800	316.2	923	.344	15.5
	1600	222.1	729	.346	11.0
	1400	148.9	558	.345	7.3
	1300	119.1	482	.349	5.9
	1200	93.7	410	.363	4.9
	900	39.6	231	.467	2.6
	600	11.7	103	.770	1.3

Power produced at the flywheel will be within standard tolerances up to 50°C (122°F) combustion air temperature measured at the air cleaner inlet, and fuel temperature up to 52°C (125°F) measured at the fuel filter base. Power rated in accordance with NMMA procedure as crankshaft power. Reduce crankshaft power by 3% for propeller shaft power.