

C32 ACERT™

MARINE PROPULSION ENGINE

950 bhp	709 kW	1600 rpm
1300 bhp	969 kW	2100 rpm
1300 bhp	969 kW	1800 rpm



Image shown may not reflect actual engine



STANDARD ENGINE EQUIPMENT

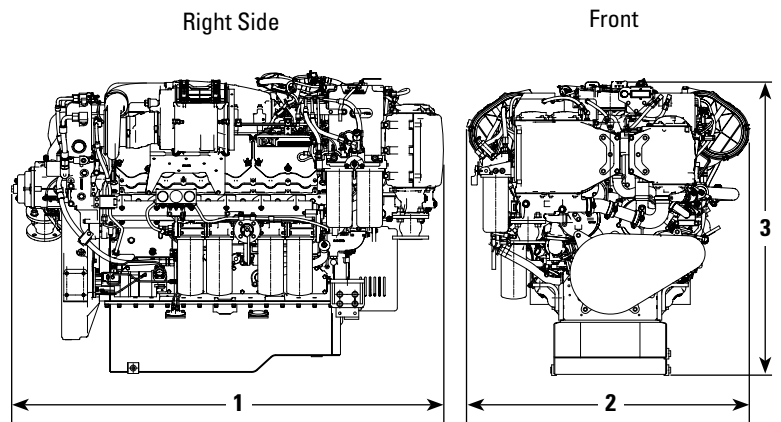
- Separate circuit aftercooler (SCAC)
- Heavy-duty inlet air cleaner
- Heat exchanger or keel cooling
- SCAC and JW shunt tanks with sight glass
- Watercooled exhaust manifold and turbocharger
- Round flanged exhaust outlet
- Deep sump oil pan
- Oil filler, filter, and dipstick, RH or LH service
- MEUI fuel system
- Duplex fuel filters, RH or LH service
- Engine-mounted fuel cooler
- Fuel transfer and priming pumps
- Hybrid fuel lines
- Electronic fuel/air ratio control
- Electronic diagnostics and fault logging
- Adjustable front support mounting system
- Customer wiring and service tool connector

SPECIFICATIONS

Vee-12, 4-Stroke-Cycle-Diesel

- IMO II compliant
- 32.1 L (1959 cu in) displacement
- 1600/1800/2100 rpm rated engine speed
- 145 mm (5.7 in) bore x 162 mm (6.38 in) stroke
- Turbocharged and aftercooled aspiration
- Electronically governed
- Heat exchanger or keel cooled
- Refill capacity
 - Cooling system: 154 L (40.8 gal) engine and expansion tank
 - Lube oil system: 146 L (38.5 gal)
- 1000-hour oil change interval (A rating)
- 750-hour oil change interval (B rating)
- 500-hour oil change interval (C rating)
- Caterpillar Diesel Engine Oil 10W30 or 15W40
- SAE No. 0 flywheel and flywheel housing, 136 flywheel teeth
- Counterclockwise rotation from flywheel end

DIMENSIONS



ENGINE DIMENSIONS & WEIGHT

(1) Length (overall)	2284 mm	89.9 in
(2) Width	1528 mm	60.2 in
(3) Height	1584 mm	62.4 in
Weight, Net Dry (keel)	3155 kg	6956 lb
Weight, Net Dry (heat exchanger)	3245 kg	7155 lb

Note: Do not use these dimensions for installation design. See general dimension drawings for detail.

MARINE ENGINE PERFORMANCE

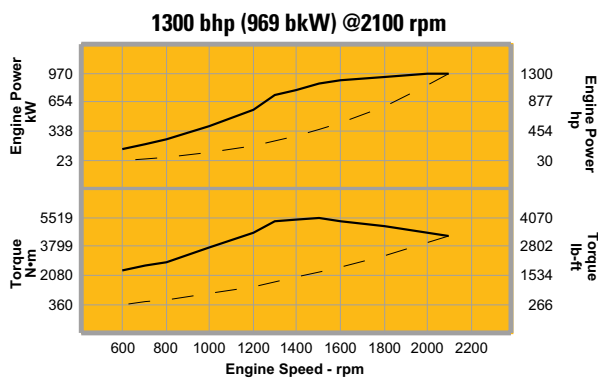
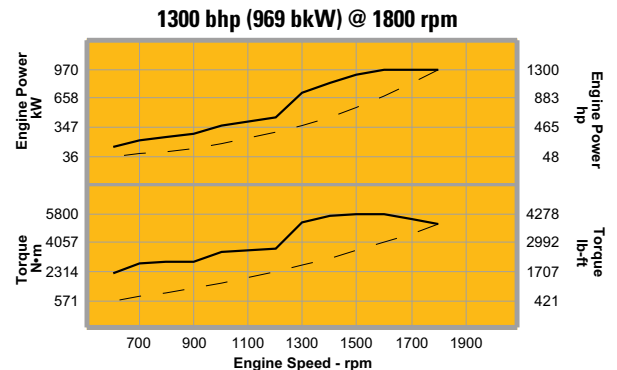
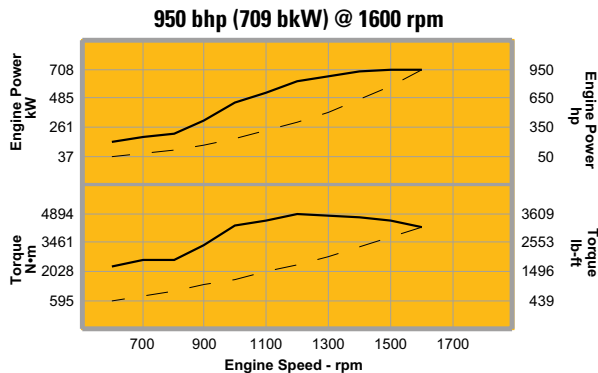
Max Power

A Rating – DM9607-04					B Rating – DM9605-04					C Rating – DM9604-06				
rpm	bhp	g/hr	bkW	g/bkW-hr	rpm	bhp	g/hr	bkW	g/bkW-hr	rpm	bhp	g/hr	bkW	g/bkW-hr
1600	950	45.2	709	202.7	2100	1300	64.5	969	211.2	1800	1300	62.5	969	204.6
1400	932	44.4	695	202.8	1600	1200	59.1	895	209.8	1600	1300	65.6	969	215.0
1200	825	39.9	615	206.3	1400	1062	51.5	792	206.6	1400	1108	55.6	826	213.8
1000	604	30.4	450	214.8	1200	775	39.9	578	219.3	1000	495	25.5	369	219.4
600	194	9.5	145	207.8	600	80.6	196	10.0	217.0	600	186	9.6	139	220.2

Prop Demand

A Rating – DM9607-04					B Rating – DM9605-04					C Rating – DM9604-06				
rpm	bhp	g/hr	bkW	g/bkW-hr	rpm	bhp	g/hr	bkW	g/bkW-hr	rpm	bhp	g/hr	bkW	g/bkW-hr
1600	950	45.2	709	202.7	2100	1300	64.5	969	211.2	1800	1300	62.5	969	204.6
1400	636	30.6	475	204.8	1600	575	29.2	429	110.6	1600	913	45.8	681	213.6
1200	401	19.9	299	211.8	1400	385	19.5	287	215.5	1400	611	30.5	456	212.8
1000	232	11.5	173	211.4	1200	243	12.4	181	217.6	1000	223	11.3	166	216.5
600	50	2.9	37	243.6	600	30	2.1	23	294.7	600	48.1	3.0	36	268.7

Maximum Power ——— Prop Demand - - - -



OPTIONAL EQUIPMENT (partial list)

- Air inlet adapter
- Battery charger, charging alternator
- Exhaust elbow, flange, flex fitting, muffler
- Water separator
- Fumes disposal (closed system)
- Duplex oil filter, transmission oil cooler
- Starting motors – air or electric
- Jacket water heater
- MECP I control panel
- MECP III control panel with Cat® alarm and protection system

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