

C32 ACERT™

MARINE PROPULSION ENGINE

750 bhp	(559 bkW)	WOSR 1600-1800 rpm
850 bhp	(634 bkW)	WOSR 1600-1800 rpm
1000 bhp	(746 bkW)	WOSR 1600-1800 rpm



Image shown may not reflect actual engine



STANDARD ENGINE EQUIPMENT

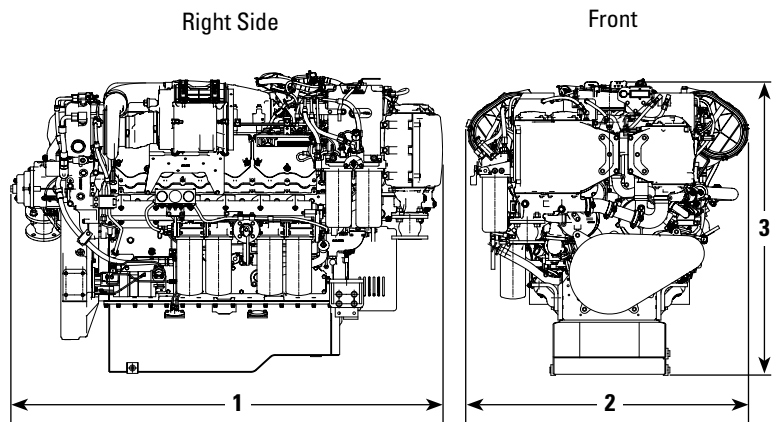
- Separate circuit aftercooler (SCAC)
- Heavy-duty inlet air cleaner
- Heat exchanger or keel cooling
- SCAC and JW shunt tanks with sight glass
- Watercooled exhaust manifold and turbocharger
- Deep sump oil pan
- Oil filler, filter, and dipstick, RH or LH service
- MEUI fuel system
- Duplex fuel filters, 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

- EPA Tier 3/IMO II compliant
- 32.1 L (1959 cu in) displacement
- 1600-1800 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
- 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.

Max Power

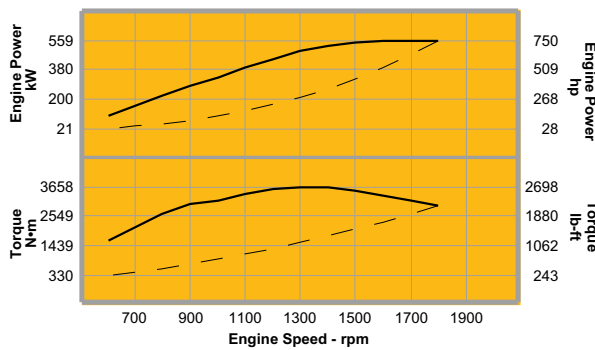
A Rating – DM9277-01					A Rating – DM9278-03					A Rating – DM9280-02				
rpm	bhp	g/hr	bkW	g/bkW-hr	rpm	bhp	g/hr	bkW	g/bkW-hr	rpm	bhp	g/hr	bkW	g/bkW-hr
1800	750	37.5	559	213.2	1800	850	42.8	634	214.2	1800	1000	49.8	746	212.1
1600	750	38.6	559	219.5	1600	850	40.2	634	201.4	1600	1000	49.2	746	209.5
1400	711	35.1	530	210.0	1400	805	37.3	600	197.4	1400	948	46.7	707	209.8
1000	444	21.5	331	206.3	1000	503	25.1	375	212.9	1100	700	34.2	522	207.9
600	135	6.7	101	209.0	600	154	7.8	115	215.4	900	532	27.8	397	222.4

Prop Demand

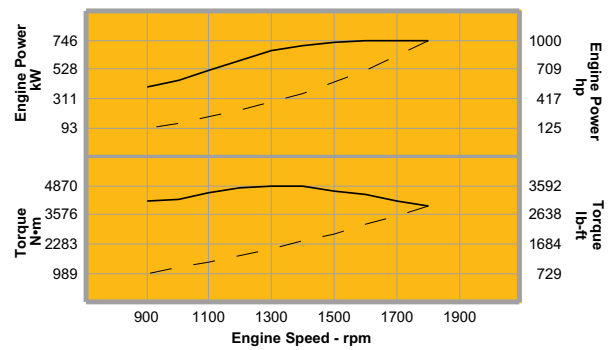
A Rating – DM9277-01					A Rating – DM9278-03					A Rating – DM9280-02				
rpm	bhp	g/hr	bkW	g/bkW-hr	rpm	bhp	g/hr	bkW	g/bkW-hr	rpm	bhp	g/hr	bkW	g/bkW-hr
1800	750	37.5	559	213.2	1800	850	42.8	634	214.2	1800	1000	49.8	746	212.1
1600	527	27.7	393	223.7	1600	597	29.0	445	206.6	1600	703	37.2	524	225.5
1400	353	17.8	263	215.4	1400	400	20.2	298	214.8	1400	471	23.2	351	210.1
1000	129	6.9	96	230.3	1000	146	8.0	109	232.7	1100	228	12.0	170	223.3
600	28	2.0	21	298.3	600	32	2.3	24	313.2	900	125	6.6	93	225.0

Maximum Power ——— Prop Demand — — —

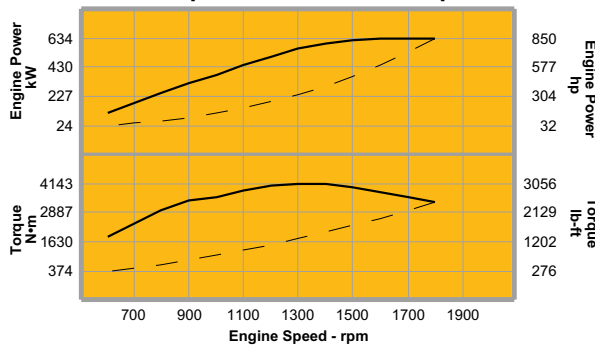
750 bhp (559 bkW) @ 1600-1800 rpm



1000 bhp (746 bkW) @ 1600-1800 rpm



850 bhp (634 bkW) @ 1600-1800 rpm



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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