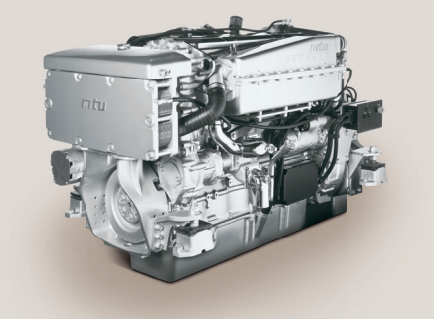
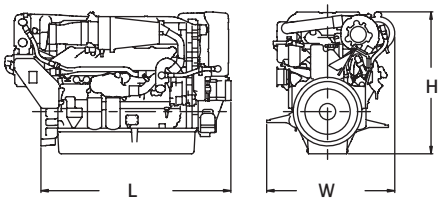
Marine

Diesel Engine S60

for Fast Vessels with High Load Factors (1B)





Dimensions and Masses

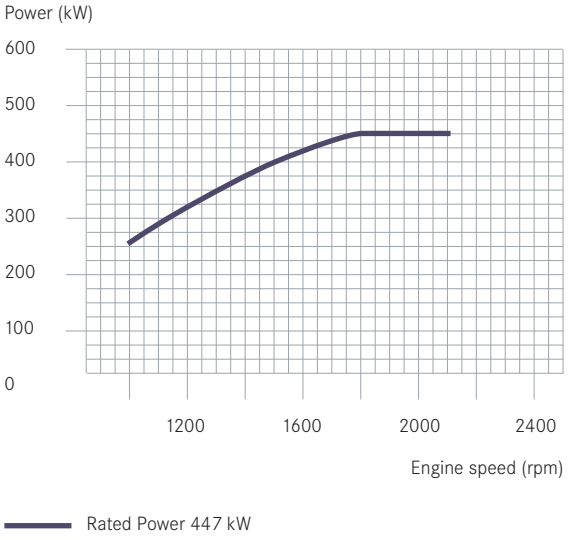
Engine	Dimensions (LxWxH) mm (in)	Mass, dry kg (lbs)
S60	1842x1035x1160 (72.5x40.7x45.7)	1630 (3593)
S60 - with Marine Gearbox	**Dimensions (LxWxH) mm (in)**	**Mass, dry kg (lbs)**
MG 5114 SC	2036x1035x1170 (80.1x40.7x46.1)	1941 (4279)

Typical applications: Fast commercial vessels, Monohulls, Hydrofoils and Catamarans

Engine Model		S60
Rated power ICFN	**kW (bhp)**	**354 - 447 (475 - 600)**
Speed	**rpm**	**2100**
No. of cylinders		6, In-line
Bore/stroke	mm (in)	133/168 (5.2/6.6)
Displacement, total	l (cu in)	14.0 (855)
Description		Turbocharged and aftercooled
Governor		Electronic DDEC IV
Port Model		6062HK35 (HE) or HK33 (KC)
Starboard Model		6062HK34 (HE) or HK32 (KC)

Engines comply with NOx Limits according to MARPOL 73/78 (IMO) Annex VI; available also acc. to EPA Emissionstandard 40CFR 94 Tier2.

Power Curve



Power. Passion. Partnership.

Performance and Fuel Consumption		S60		
Speed	rpm	2100	2100	2100
Maximum power	kW	354	399	447
	bhp	475	535	600
Fuel consumption	g/kWh	203	206	210
	l/h	86.7	98.4	113.2
	gal/h	22.9	26	29.9

Standard Equipment	
Diesel Engine	Water-cooled exhaust components; Flywheel housing SAE #1
Fuel system	Electronic unit injection system; secondary fuel filter mounted on engine
Engine Oil System	Dual filters mounted on engine
Engine Cooling System; Heat Exchanger (HE)	Titanium plate modular heat exchanger system with integral fuel cooler; sea water cooled charge air cooler; gear driven self-priming raw water pump with 2.5“ inlet
Engine Cooling System; Keel Cooled (KC) (6062 HK 32/33)	Engine equipped for keel cooling including expansion tank; separate circuit cooling pump; engine fuel cooler; marine gear oil cooler
Air Inlet System	Air intake filter with silencer and attached on breather pipe; 24V emergency air shutdown
Electrical	Starter: 24V; Alternator: 24V/100 amp, belt driven
Mounting system	Resilient
Marine Gear	Electric shift marine gear; gear oil cooler in raw water circuit
Port/Starboard Engine Configuration	Accessibility for service work

Optional Equipment	
Engine Lube System	Remote mount lube oil filters – single or double
Electrical	12V starter; 12V alternator/130 amp; 12V Amot air shut down
Accessory Drives	SAE A (front gear train), Front crankshaft pulley for use with V-belts
Transmission	Shallow oil pan, down angle
Transmission Options	Trolling valve
Exhaust	Raw water cooled stainless elbow
Electric Priming Fuel Pump	Mounted on primary fuel filter/water separator
Classification	Available upon request

> Power definition according ISO 3046
> Rated power available up to 45°C/32°C
> Intake air temperature 25°C/Sea water temperature 25°C
> Shaft power equal to rated power x 0.97

1B – Diesel engines for fast vessels with high load factors
Standard load profile:

Power	%	100	15
Time	%	10	25

All dimensions are approximate. For complete dimensional information, refer to installation drawing provided by your authorized MTU or MTU Detroit Diesel representative. Transmission shown represents standard option marine gear.

ICFN
I = Power to ISO
C = Continuous power output
F = Fuel stop power
N = Available power. Accessories necessary for operation, engine driven

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Subject to change. | 3231161 | 2/10 | VMD 2010-11.