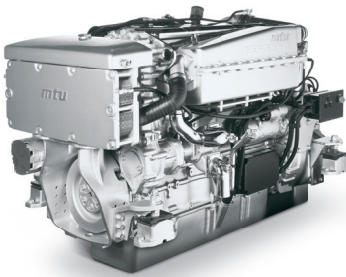




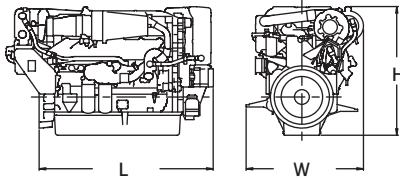
## Marine

# DIESEL ENGINE S60

for vessels with high load factors (1B)



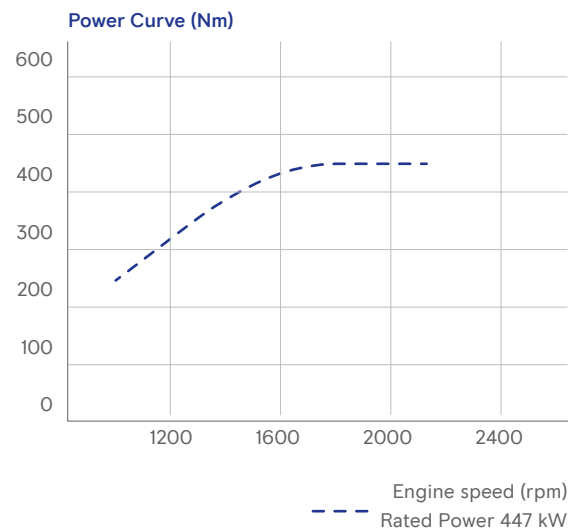
Engine	Dimensions (LxWxH) mm (in)	Mass, dry kg (lbs)
S60	1842x1035x1160 (72.5x40.7x45.7)	1630 (3593)
Engine with Marine gearbox	Dimensions (L <sub>x</sub> W <sub>x</sub> H <sub>g</sub> ) mm (in)	Mass, dry kg (lbs)
MG 5114 SC	2036x1035x1170 (80.1x40.7x46.1)	1941 (4279)



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

Optional equipment and finishing shown. Standard may vary.

Engine type	S60	
Rated power ICFN	kW	354 - 447
	(bhp)	(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)



Performance & fuel consumption <sup>1)</sup>		S60	S60	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

Reference conditions:

- > Power definition according ISO 3046
- > Intake air temperature 25°C/Sea water temperature 25°C
- > Rated power available up to 45°C/32°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 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