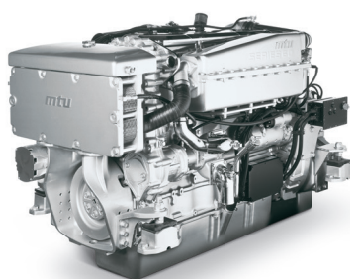




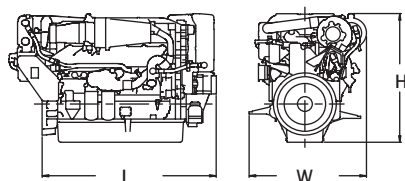
Marine

DIESEL ENGINE S60

for vessels with low load factors (IDS)



Engine	Dimensions (LxWxH) mm (in)	Mass, dry kg (lbs)
S60	1842x1035x1160 (72.5x40.7x45.7)	1630 (3593)
Engine with Marine gearbox	Dimensions (L _x WxH _x) mm (in)	Mass, dry kg (lbs)
MG 5114 A	2036x1035x1170 (80.2x40.7x46.1)	1941 (4279)

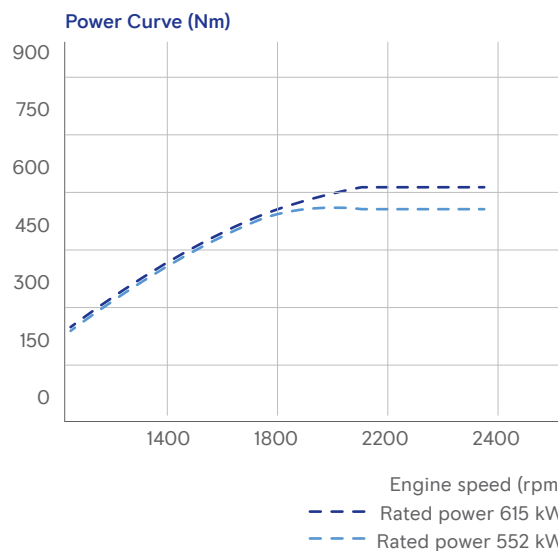


Typical applications: Fast yachts, fast patrolboats, police craft

Optional equipment and finishing shown. Standard may vary.

Engine type	S60
Rated power ICFN	kW
	(bhp)
Speed	rpm
No. of cylinders	6
Bore/stroke	mm (in)
Displacement, total	l (cu in)
Description	Turbocharged and aftercooled
Governor	Electronic DDEC IV
Port Model	6062HK31 (HE)
Starboard Model	6062HK30 (HE)

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



Performance & fuel consumption ¹⁾		S60	S60	S60	S60	S60
Speed	rpm	2300	2300	2300	2300	2300
Maximum power	kW	466	499	552	597	615
	(bhp)	625	670	740	812	825
Fuel consumption	g/kWh	216	211	215	218	219
	l/hr	121	127	143.1	156.7	162.4
	gal/hr	31.9	33.5	37.9	41.4	42.9

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
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
- > Intake air depression 15 mbar / Exhaust back pressure 30 mbar
- > 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 70 15

Time % 10 70 20

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