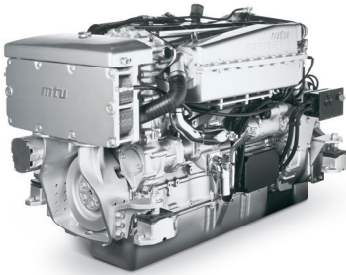




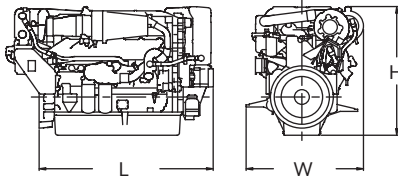
## Marine

# DIESEL ENGINE S60

for fast vessels with low load factors (1DS)



Engine	Dimensions (L x W x H) mm (in)	Mass, dry kg (lbs)
S60	1842 x 1035 x 1160 (72.5 x 40.7 x 45.7)	1630 (3593)
Engine with marine gearbox	Dimensions (L, x W x H,) mm (in)	Mass, dry kg (lbs)
MG 5114 A	2036 x 1035 x 1170 (80.2 x 40.7 x 46.1)	1941 (4279)

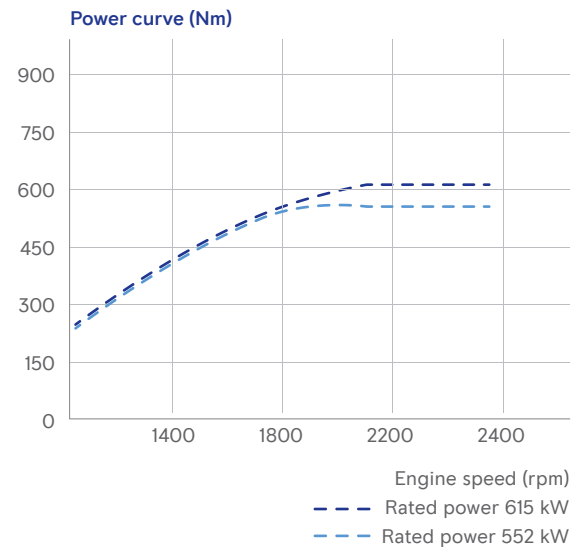


Typical applications: fast yachts, fast patrolboats, police craft

Optional equipment and finishing shown. Standard may vary.

Engine type	S60	
Rated power ICFN	kW	466 - 615
	(bhp)	(625 - 825)
Speed	rpm	2300
No. of cylinders		6
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		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 <sup>1)</sup>		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

Specifications are subject to change without notice.  
All dimensions are approximate, for complete information refer to installations drawing. For further information consult your MTU distributor/dealer.

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