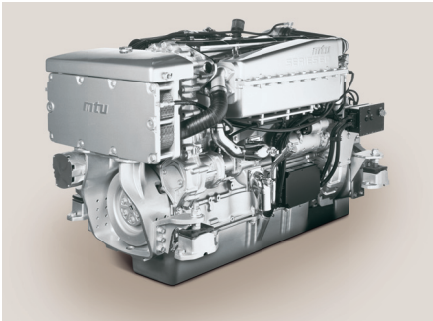


Marine

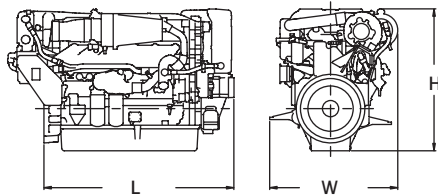
Diesel Engine S60

for Fast Vessels with Low Load Factors (1DS)



Dimensions and Masses

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

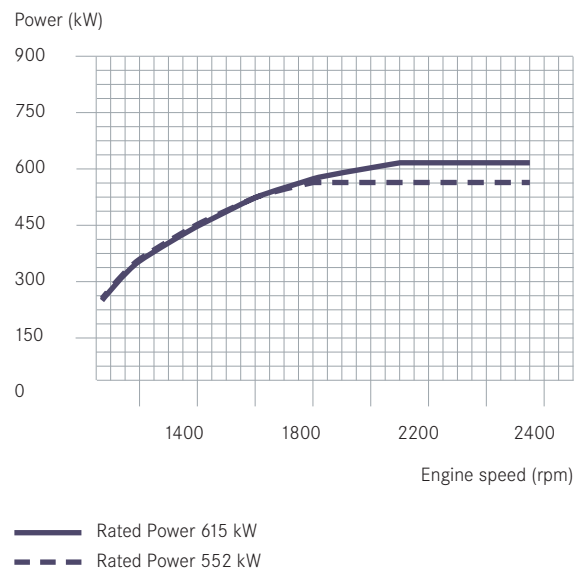


Typical applications: Fast yachts, fast patrolboats, police craft

Engine Model	S60	
Rated power ICFN	kW (bhp)	466 - 615 (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 NO_x 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	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/h	121	127	143.1	156.7	162.4
	gal/h	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	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
Heat Exchanger (HE)	
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	Accessibility for service work
Engine Configuration	

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

> 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

1DS – Diesel engines for fast vessels with low 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 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