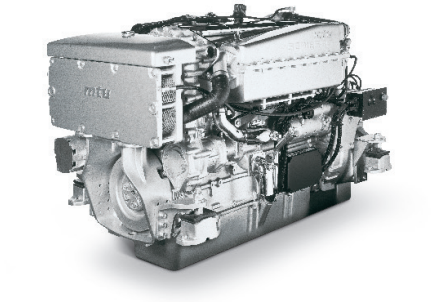
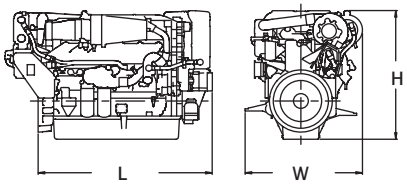
Marine

DIESEL ENGINE S60

for vessels with unrestricted continuous operation (1A)





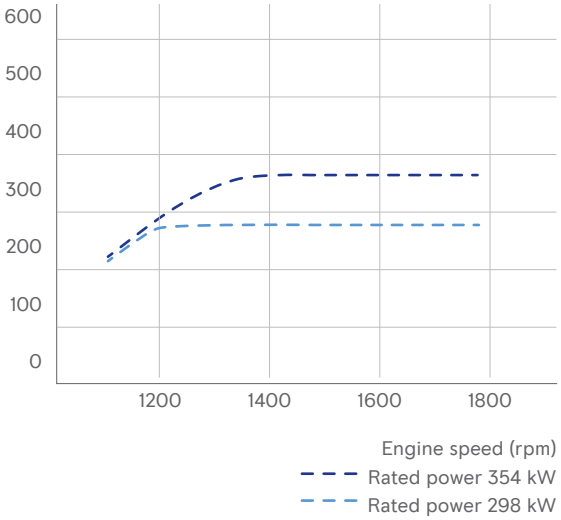
Optional equipment and finishing shown. Standard may vary.

Engine	Dimensions (LxWxH) mm (in)	Mass, dry kg (lbs)
S60	1842x1035x1160 (72.5x40.7x45.7)	1630 (3593)
Engine with Marine gearbox	**Dimensions (L_1xWxH_1) mm (in)**	**Mass, dry kg (lbs)**
MG 5114 A	2040x1035x1170 (80.3x40.7x46.1)	1941 (4279)

Typical applications: Fast yachts, fast patrolboats, police craft

Engine type		S60
Rated power ICFN	kW	261 - 373
	(bhp)	(350 - 500)
Speed	rpm	1800
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		6062HK39 (HE) or HK37 (KC)
Starboard Model		6062HK38 (HE) or HK36 (KC)

Power Curve (Nm)



A Rolls-Royce solution

Performance & fuel consumption		S60	S60	S60	S60	S60	S60	S60
Speed	rpm	1800	1800	1800	1800	1800	1800	1800
Maximum power	kW	261	280	298	317	336	354	373
(SAE J 1228)	(bhp)	350	375	400	425	450	475	500
Fuel consumption	g/kWh	206	205	198	197	196	196	196
	l/hr	64.7	69.3	71	75.3	79.5	83.7	88.2
	gal/hr	17.1	18.3	18.7	19.9	21	21.1	23.3

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	80	60	15
Time %	10	50	20	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

Subject to change. | 3231191 | Edition 01/19 | ESM 2019-08.