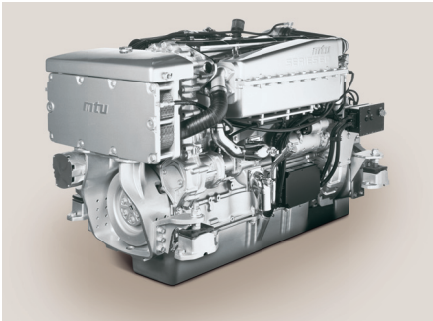


Marine

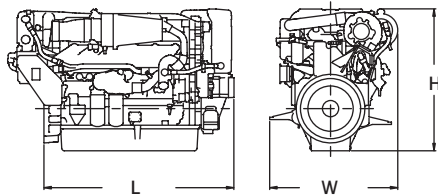
# Diesel Engine S60

## for Vessels with Unrestricted Continuous Operation (1A)



### Dimensions and Masses

Engine	Dimensions (LxWxH) mm (in)	Mass, dry kg (lbs)
<b>S60</b>	1842x1035x1160 (72.5x40.7x45.7)	1630 (3593)
S60 - with Marine Gearbox	Dimensions (LxWxH) mm (in)	Mass, dry kg (lbs)
<b>MG 5114 SC</b>	2040x1035x1170 (80.3x40.7x46.1)	1941 (4279)

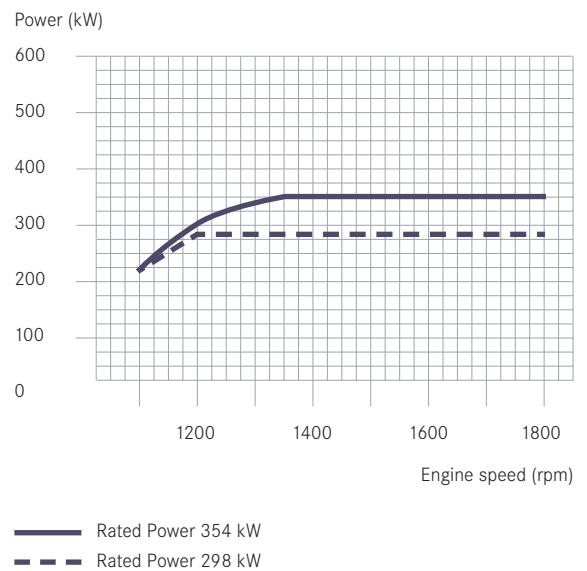


Typical applications: Work Boats, Tugs and pushboats, Offshore supply boats, Fishing trawlers, Dragger, Ferries

Engine Model	S60	
Rated power ICFN	kW (bhp)	261 - 373 (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)	

Engines comply with NOx 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								
Speed	rpm	1800	1800	1800	1800	1800	1800	1800
Maximum power (SAE J 1228) bhp	kW	261	280	298	317	336	354	373
		350	375	400	425	450	475	500
Fuel consumption	g/kWh	206	205	198	197	196	196	196
	l/h	64.7	69.3	71	75.3	79.5	83.7	88.2
	gal/h	17.1	18.3	18.7	19.9	21	22.1	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) (6062 HK 38/39)	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 36/37)	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

> Power definition according ISO 3046  
> Rated power available up to 45°C/32°C

> Intake air temperature 25°C/Sea water temperature 25°C  
> Shaft power equal to rated power x 0.97

#### 1A – Diesel engines for vessels with unrestricted continuous duty

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 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

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