

3116 MARINE ENGINE – 205-350 hp

CATERPILLAR®



TA Shown with Accessory Equipment

MARINE TRANSMISSION*

MARINE TRANSMISSIONS	RATIOS	DRY WEIGHT kg (lb)
MG5050	1.53:1, 2.04:1, 2.43:1	86 (189)
MG5061	1.48:1, 2.00:1, 2.43:1	98 (215)
MG506-1	1.5:1, 1.97:1, 2.5:1	100 (220)
MG506A	1.5:1, 1.97:1	125 (275)
MG507-1*	1.51:1, 1.98:1, 2.54:1, 2.99:1	159 (350)
MG5061A	1.54:1, 2.00:1, 2.47:1	95 (210)

*Transmission selection depends on input power, speed, ratio, and vessel application. Contact your Caterpillar Dealer.

DIMENSIONS

	L		W		H	
	mm	in	mm	in	mm	in
MG5050	1605	63.2	860	33.8	816	32.1
MG5061	1663	65.5	860	33.8	816	32.1
MG506-1	1518	59.8	860	33.8	816	32.1
MG506A	1535	60.4	860	33.8	816	32.1
MG507-1*	1595	62.8	860	33.8	816	32.1
MG5061A	1663	65.5	860	33.8	816	32.1

STANDARD ENGINE EQUIPMENT

Air intake
dry-type, single-stage air cleaner with service indicator

Alternator
belt driven, 12 volt, 51 ampere

Cooling
transmission oil cooler, heat exchanger, engine oil cooler, watercooled exhaust manifold, auxiliary sea water pump, expansion tank, low water level contactor thermostats

Flywheel and housing
SAE #3, rear-mounted starter

Fuel
filter, shutoff solenoid – energized to run, forward routed control cable bracket

Governor
mechanical

Lubricating
oil filter, filler, dipstick

Starting
electric

Support
front

Torsional vibration damper

Tachometer drive
magnetic pickup

ACCESSORY EQUIPMENT

Air intake
walker airsep

Alternator
belt driven – 24 volt, 35 ampere, belt driven – 24 volt, 60 ampere, belt driven – 12 volt, 105 ampere

Cruise kit

Exhaust
6" watercooled elbow, 5" dry elbow

Flexible engine mounts

Flywheel and housing
SAE #3, front-mounted starter
SAE #2, front-mounted starter

Fuel
rear-routed control cable bracket, rh fuel filter, fuel/water separator, shutoff solenoid – energized to shutoff

Fuel
cooler, priming pump

Instruments and gauges
service meter, single and dual instrument panels

Lubrication
left hand mounted oil filter, filler, dipstick
top access oil filler and dipstick

Power takeoffs
front crankshaft mounted pulley, front mounted enclosed clutch, hydraulic pump drive pad

Protection devices
oil pressure and water temperature contactor

Support
flywheel housing mounted rear supports
transmission mounted rear supports

RATING CONDITIONS

Ratings are based on SAE J1349 standard conditions of 100 kPa (29.61 in Hg) and 25° C (77° F). These ratings also apply at ISO 3046/1, DIN 6271 and BS 5514 standard conditions of 100 kPa (29.61 in Hg), 27° C (81° F) and 60% relative humidity.

Fuel rates are based on fuel oil of 35° API [16° C (60° F)] gravity having an LHV of 42 780 kJ/kg (18,390 Btu/lb) when used at 29° C (85° F) and weighing 838.9 g/liter (7.001 lbs/U.S. gal).

