

## 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).

