

Engine Specifications	
Model	GX670
Type	4-stroke, OHV, 90° V-twin
Displacement	670 cm ³ (40.9 cu-in)
Max. Horsepower	24 HP (17.7 kW HP) at 3,600 rpm
Max. Torque (Crank PTO)	50.8 N·m (5.18 kg·m, 37.5 ft·lb) at 2,500 rpm
Carburetor	Horizontal type, butterfly valve
Cooling System	Forced-air
Ignition System	Transistorized magneto ignition
Lubricating System	Forced lubrication
Starting System	Electric starter
Stopping System	Ignition primary circuit ground
Fuel Used	Unleaded gasoline (octane number 86 or higher)
Fuel Consumption	265 g/HPh
PTO Shaft Rotation	Counterclockwise (from PTO shaft side)

Cylinder Block and Head	
Compression Ratio	8.3:1
Bore x Stroke	77 X 72 mm (3.0 x 2.8 in)
Sleeve Internal Diameter	77.00 mm (3.03 in)
Piston Skirt Outer Diameter	76.985 mm (3.03 in)
Warpage (Limit)	0.10 mm (0.004 in)
Valve Arrangement	OHV
Valves	4 (2 per cylinder)

Tightening Torque Specs	
Connecting Rod Bolt	12 Nm; 1.2 kg·m; 9 ft·lb
Cylinder Head Bolt	34 Nm; 3.5 kg·m; 25 ft·lb
Socket Bolt	27 Nm; 2.7 kg·m; 20 ft·lb
Flywheel Nut	196 Nm; 20.0 kg·m; 145 ft·lb
Pivot Bolt	24 Nm; 2.4 kg·m; 17 ft·lb
Pivot Adjusting Nut	10 Nm; 1.0 kg·m; 7 ft·lb
Cylinder Head Cover Bolt	9 Nm; 0.9 kg·m; 6.5 ft·lb
Oil Level Switch Joint Nut	10 Nm; 1.0 kg·m; 7 ft·lb
Oil Drain Bolt	39 Nm; 4.0 kg·m; 29 ft·lb

Standard Torque Values	
Bolt, Nut (5 mm)	5.5 Nm; 0.55 kg·m; 4.0 ft·lb
Bolt, Nut (6 mm)	10 Nm; 1.0 kg·m; 7 ft·lb
Bolt, Nut (8 mm)	22 Nm; 2.2 kg·m; 16 ft·lb
Bolt, Nut (10 mm)	34 Nm; 3.5 kg·m; 25 ft·lb
Bolt, Nut (12 mm)	54 Nm; 5.5 kg·m; 40 ft·lb

Service Information	
Maximum Speed	3,850 ± 100 rpm
Idle Speed	1,400 ± 150 rpm
Cylinder Compression	6.0-8.0 kg/cm ² (85-114 psi) at 500 rpm
Valve Clearance	Intake: 0.15±0.02 mm (0.006±0.001 in) Exhaust: 0.20±0.02 mm (0.008±0.001 in)

Oil System	
Oil Type	Honda 4-stroke or an equivalent (SG or SF)
Recommended Oil	SAE 10W-30
Oil Capacity	1.90 L
Oil Change Interval	Every 6 months or 100 Hrs.

Ignition System	
Spark Plug	NGK: ZGR5A DENSO: J16CR-U
Spark Plug Gap	0.7-0.8 mm (0.028-0.031 in)