

Engine Specifications	Details
Model	GXV340
Type	4-stroke, OHV, single cylinder
Displacement	337 cm ³ (20.6 cu-in)
Max. horsepower	11.0 HP (8.2 kW) at 3600 rpm
Max. torque (crank PTO)	23.0 Nm (2.3 kg·m, 17.0 ft·lb) at 2500 rpm
Carburetor	Horizontal type, butterfly valve
Cooling system	Forced-air
Ignition system	Transistorized magneto ignition
Lubricating system	Pressure and splash
Starting system	Recoil or electric starter
Stopping system	Ignition primary circuit ground
Fuel used	Unleaded gasoline (octane number 86 or higher)
Fuel tank capacity	2.3 L (0.61 US gal, 0.51 Imp gal)
Fuel consumption	321 g/kWh (240 g/HPh, 0.53 lb/HPh)
PTO shaft rotation	Counterclockwise (from PTO shaft side)
Dimensions and Weight	Details
Length, mm (in)	430 (16.9)
Width, mm (in)	385 (15.2)

Height, mm (in)	410 (16.1)
Dry weight, kg (lb)	32 (71)
Operating weight, kg (lb)	33.5 (73.9)
Cylinder Block and Head	Details
Compression ratio	7.7:1
Bore x Stroke	82 X 64 mm (3.23 x 2.5 in)
Sleeve internal diameter	82.000 mm (3.2283 in)
Piston skirt outer diameter	81.985 mm (3.2277 mm)
Number of piston rings (compression / oil)	2 / 1
Ring side clearance	Top/second 0.030-0.060 (0.0012-0.0024)
Ring end gap	Top 0.20-0.4 mm (0.0079-0.0160 in) Second 0.20-0.4 mm (0.0079-0.0160 in) Oil (side rail) 0.2-0.7 mm (0.01-0.03 in)
Ring width	Top 1.160-1.175 mm (0.0457-0.0463 in) Second 1.160-1.175 mm (0.045-0.0463 in)
Piston pin outer diameter	19.994-20.000 mm (0.7872-0.7874 in)
Connecting rod small end inner diameter	20.005-20.020 mm (0.7876-0.7882 in)
Connecting rod big end inner diameter	36.025-36.039 mm (1.4183-1.4189 in)
Crankpin outer diameter	35.975-35.985 mm (1.4163-1.4167 in)
Cylinder Head	Warpage (limit) 0.10 mm (0.004 in)

Valve Arrangement	OHV
Valves	2
Stem outer diameter (standard)	INTAKE 6.590 mm (0.2594 in) EXHAUST 6.550 mm (0.2579 in)
Cam height	INTAKE 33.000 mm (1.299 in) EXHAUST 32.6 mm (1.283 in)
Camshaft outer diameter	15.966-15.984 mm (0.6286-0.6293 in)
Tightening Torque Specs	Values
Connecting rod bolt	14 Nm; 1.4 kg·m; 10 ft·lb
Cylinder head bolt	35 Nm; 3.5 kg·m; 25 ft·lb
Flywheel nut	115 Nm; 11.5 kg·m; 83 ft·lb
Pivot adjusting nut	10 Nm; 1.0 kg·m; 7 ft·lb
Push rod guide pivot bolt	24 Nm; 2.4 kg·m; 17 ft·lb
Oil pan bolt	24 Nm; 2.4 kg·m; 17 ft·lb
Air cleaner body cap nut	9 Nm; 0.9 kg·m; 6.5 ft·lb
Muffler mounting nut	24 Nm; 2.4 kg·m; 17 ft·lb
Exhaust pipe mounting nut	24 Nm; 2.4 kg·m; 17 ft·lb
Oil drain plug	45 Nm; 4.5 kg·m; 34 ft·lb
Cylinder head cover bolt	9 Nm; 0.9 kg·m; 6.5 ft·lb
Fuel tank bolt	24 Nm; 2.4 kg·m; 17 ft·lb
Standard Torque Values	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)	24 Nm; 2.4 kg·m; 17 ft·lb
Bolt, nut (10 mm)	37.5 Nm; 3.75 kg·m; 27 ft·lb
Bolt, nut (12 mm)	55 Nm; 5.5 kg·m; 40 ft·lb
Maintenance Data	Details
Maximum speed	3400 ± 150 rpm
Idle speed	1400 ± 150 rpm
Cylinder compression	6.0-8.5 kg/cm ² (85-151 psi) at 600 rpm
Valve clearance	Intake valve 0.15 ± 0.02 (0.006 ± 0.001) Exhaust valve 0.20 ± 0.02 (0.008 ± 0.001)

Carburetor	Details
Main jet	#88
Float height	11.9-14.5 mm (0.47-0.57 in)
Pilot screw opening	2-1/2 turns out

Oil System	Details
Oil type	Honda 4-stroke or equivalent (SE or SF)
Recommended oil	SAE 10W-40
Oil capacity	1.1 L (1.2 US gal, 1.0 Imp qt)

Ignition System	Details
Ignition timing	20 ° B.T.D.C (Fixed)
Spark plug	NGK: BPR5ES NIPPONDENSO: W16EPR-U
Spark plug gap	0.7-0.8 mm (0.028-0.031 in)
Primary ignition coil resistance	0.7-0.9 Ω
Secondary ignition coil resistance	6.3-7.7 k Ω
Ignition coil air gap	0.4 \pm 0.2 (0.016 \pm 0.008)

Starter Motor	Details
Brush length	7.2 mm (0.28 in) limit: 3.5 mm (0.14 in)
Mica depth	1.0 mm (0.04 in) limit: 0.2 mm (0.01 in)