

| Engine Specifications | GD411 |
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| Model | GD411 |
| Type | 4-stroke, OHV, single cylinder |
| Displacement | 411 cm ³ (25.2 cu-in) |
| Max. horsepower | S,Q,V,P,E type: 9.0 HP (6.6 kW) at 3,600 rpm B type: 7.5 HP (5.5 kW) at 3,000 rpm L type: 8.7 HP (6.4 kW) at 1,800 rpm |
| Max. torque (crank PTO) | S,Q,V,P,E type: 20.6 N·m (2.1 kg·m, 15.19 ft·lb) at 2,500 rpm B type: 19.6 N·m (2.0 kg·m, 14.5 ft·lb) at 1,800 rpm L type: 40.2 N·m (4.1 kg·m, 30 ft·lb) at 1,250 rpm |
| Cooling system | Forced-air |
| Lubricating system | Forced spray |
| Starting system | Recoil starter or starter motor |
| Stopping system | Fuel cut with speed control lower (Stop lever) |
| Fuel used | Diesel fuel |
| Fuel tank capacity | 4.6 l (1.21 US. Gal, 1.2 Imp. Gal.) |
| Fuel consumption | 180-190 g/HPh |
| PTO shaft rotation | Counterclockwise (from PTO shaft side) |
| CYLINDER BLOCK AND HEAD | |
| Compression ratio | 18.2:1, 19.4:1, 20:1 |
| Bore x Stroke | 82 mm X 78 mm (3.23 x 3.07 in) |

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| Sleeve internal diameter | 82.000-82.017 mm (3.2283-3.2290 in) |
| Piston skirt outer diameter | 81.940-81.960 mm (2.2260-2.2268 in) |
| Number of piston rings | (compression / oil): 2 / 1 |
| Ring side clearance | Top: 0.085-0.115 mm (0.0033-0.0045 in) Second: 0.075-0.110 mm (0.0030-0.0043 in) Oil: 0.020-0.055 mm (0.0008-0.0022 in) |
| Ring end gap | Top: 0.25-0.40 mm (0.010-0.016 in) Second: 0.25-0.40 mm (0.010-0.016 in) Oil: 0.20-0.40 mm (0.008-0.016 in) |
| Ring width | Top: 1.970-1.965 mm (0.0776-0.0774 in) Second: 1.970-1.950 mm (0.0776-0.0768 in) Oil: 3.990-3.970 mm (0.1571-0.01563 in) |
| Connecting rod small end ID | 23.010-23.028 mm (0.9060-0.9066 in) |
| Connecting rod big end ID | 46.000-46.024 mm (1.8110-1.8120 in) |
| Crankpin outer diameter | 42.976-43.000 mm (1.920-1.6929 in) |
| Main journal outer diameter | 49.970-49.994 mm (1.9673-1.9683 in) |
| Cylinder Head | |
| Distortion of cylinder head | 0.05 mm (0.002 in) |
| Valve Arrangement | OHV |
| Valves | 2 |

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| Stem outer diameter (standard) | INTAKE: 6.590-6.575 mm (0.2594-0.2589 in) EXHAUST: 6.550-6.540 mm (0.2579-0.2575 in) |
| Guide internal diameter | INTAKE / EXHAUST: 6.600-6.615 mm (0.2598-0.2604 in) |
| Spring free length | 33.7 mm (1.33 in) |
| Cam lobe height | INTAKE / EXHAUST: 41.022 mm (1.6150 in) |
| Valve rocker arm internal diameter | INTAKE / EXHAUST: 16.000-16.018 mm (0.6300-0.6306 in) |
| Rocker arm shaft outer diameter | INTAKE / EXHAUST: 15.984-15.966 mm (0.6293-0.6286 in) |
| TIGHTENING TORQUE SPECS | |
| Cylinder head bolts | 43 Nm; 4.3 kg·m; 31 ft·lb |
| Cylinder head nuts | 11 Nm; 1.1 kg·m; 8 ft·lb |
| Rocker arm shaft nuts | 11 Nm; 1.1 kg·m; 8 ft·lb |
| Tappet adjusting nuts | 9 Nm; 0.9 kg·m; 6.5 ft·lb |
| Oil pan bolt bolts | M11: 71 Nm; 7.1 kg·m; 51 ft·lb M8: 22 Nm; 2.2 kg·m; 16 ft·lb |
| Connecting rod cap nuts | 32 Nm; 3.2 kg·m; 23 ft·lb |
| Relief valve | 33 Nm; 3.3 kg·m; 24 ft·lb |
| Drain plug bolt | 33 Nm; 3.3 kg·m; 24 ft·lb |
| Flywheel nut | 250 Nm; 25.0 kg·m; 180 ft·lb |
| Injection nozzle | 10 Nm; 1.0 kg·m; 7 ft·lb |

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| Air breather joint nuts | 18 Nm; 1.8 kg·m; 13 ft·lb |
| Fuel injection pump bolts | 22 Nm; 2.2 kg·m; 16 ft·lb |
| Fuel joint bolts | 28 Nm; 2.8 kg·m; 20 ft·lb |
| Air breather bolt | 18 Nm; 1.8 kg·m; 13 ft·lb |
| Fuel pipe nuts | 20 Nm; 2.0 kg·m; 14 ft·lb |
| Muffler nuts, bolts | 22 Nm; 2.2 kg·m; 16 ft·lb |
| Fuel tank bolts | 11 Nm; 1.1 kg·m; 18 ft·lb |
| Fuel filter bolts | 11 Nm; 1.1 kg·m; 18 ft·lb |
| Drain bolt | 11 Nm; 1.1 kg·m; 18 ft·lb |
| SERVICE INFORMATION | GD411 |
| Engine | |
| Maximum speed | 3,750 ± 150 rpm |
| Idle speed | 1,400 ± 150 rpm |
| Cylinder compression | 26.0 kg/cm ² (370 psi) at 300 rpm |
| Valve clearance | Intake valve: 0.15 ± 0.02 mm (0.006 ± 0.00078 in) Exhaust valve: 0.15 ± 0.02 mm (0.006 ± 0.00078 in) |
| Oil system | |
| Oil type | Diesel oil (API Service Classification CC or CD) |
| Recommended oil | SAE 10W-30 |

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| Oil capacity | 1.25 l (1.32 US. qt, 1.10 Imp. qt.) |
| Oil pressure | 3.9-5.2 kg/cm ² (55.5-74.0 psi) at 3,600 rpm |
| Generator | |
| Resistance | 2.0 ±0.5 Ω |
| Starter motor | |
| Brush length | 14.3-14.7 mm (0.56-0.58 in) |
| Mica depth | 0.4-0.8 mm (0.016-0.031 in) |