

ENGINE

Model	BF15D	BF20D
Type	Water cooled 4-stroke, overhead valve, vertical twin	
Displacement	350 cm ³ (21.5 cu. in)	
Bore x stroke	59 x 64 mm (2.3 x 2.5 in)	
Rated horsepower	11.0 kW (15 PS) at 5,000 min ⁻¹ (rpm)	14.7 kW (20 PS) at 5,500 min ⁻¹ (rpm)
Maximum torque	25.2 N·m (2.6 kgf·m, 18.8 lbf·ft) at 3,500 min ⁻¹ (rpm)	25.8 N·m (2.6 kgf·m, 18.8 lbf·ft) at 5,000 min ⁻¹ (rpm)
Compression ratio	9.2: 1	
Fuel consumption	313 g (11.0 oz.)/kWh	337 g (11.9 oz.)/kWh
Cooling system	Forced water circulation by impeller pump with thermostat	
Ignition system	CDI	
Ignition timing	0° ± 2° B.T.D.C.	
Spark plug	CR5EH-9 (NGK), U16FER9 (DENSO)	
Carburetor	Horizontal butterfly valve type single carburetor	
Lubricating system	Forced lubrication by trochoid pump	
Oil capacity	1.0 ℓ (1.06 US qt, 0.88 Imp qt) at oil change 1.3 ℓ (1.37 US qt, 1.14 Imp qt) with oil filter replacement	
Recommended oil	SAE 10W-30, API Service classification SG/SH/SJ	
Starting system	SH, LH Type: Recoil starter SHS, SR, LHS, LR Type: Electric starter and recoil starter	
Stopping system	Ignition primary circuit ground	
Fuel used	Automotive unleaded gasoline (minimum 86 pump octane)	
Fuel tank capacity	Steel tank: 13 ℓ (3.43 US gal, 2.86 Imp gal) Plastic tank: 12 ℓ (3.17 US gal, 2.64 Imp gal)	
Fuel pump	Mechanical plunger type	
Exhaust system	Under water type	

LOWER UNIT

Model	BF15D, BF20D	
Clutch	Dog clutch (Forward-neutral-reverse)	
Gear ratio	0.48 (13/27)	
Reduction type	Spiral bevel gear	
Gear case oil capacity	0.285 ℓ (0.27 US qt, 0.23 Imp qt)	
Propeller	Number of blades	4
	Diameter	235 mm (9-1/4 in)
	Pitch	203 mm (8.0 in)
	Rotating direction	Clockwise (viewed from rear)