

Engine Specifications – 9.9/15 Models

Operation

Full Throttle Operating Range	9.9 Rope – 5000 to 6000 RPM 9.9 Electric – 4000 to 5000 RPM 15 – 5000 to 6000 RPM
Power	9.9 – 9.9 HP (7,4 kw) 15 – 15 HP (11,2 kw)
Power Rated @	9.9 Rope – 5500 RPM 9.9 Electric – 4500 RPM 15 – 5500 RPM
Idle RPM in Gear	850 ± 50
Test Propeller	OMC P/N 340177
Minimum Test RPM	9.9 Rope – 4000 9.9 Electric – 3500 15 – 5000
Weight	10/15FR – 99 lbs. (45 kg) 10FRE – 114 lbs. (52kg) 15FRL – 104 lbs. (47 kg) 15FKE – 103 lbs. (46,7 kg) 10FEX – 119 lbs. (54 kg) 15FRE – 114 lbs. (52 kg)

Powerhead

Type	Four-Stroke, In-line 2-Cylinder, OHC
Displacement	18.61 cu. in. (305 cc)
Bore	2.56 in. (65,03 mm)
Stroke	1.81 in. (45,97 mm)
Standard Bore*	2.5590-2.5600 in. (65,00-65,03 mm)
Crankshaft Dimensions:	
Top Journal	1.2990-1.2994 in. (32,99-33,01 mm)
Bottom Journal	1.2990-1.2994 in. (32,99-33,01 mm)
Rod Crankpin	1.1815-1.1801 in. (30,01-29,98 mm)
Camshaft Lobe Dimensions:	
Intake	0.963 ± 0.004 in. (24,46 ± 0,10 mm)
Exhaust	0.963 ± 0.004 in. (24,46 ± 0,10 mm)
Piston Ring End Gap (Top Two Rings)	0.006-0.020 in. (0,15-0,51 mm)
Piston Ring Groove Side Clearance (Top Two Rings)	0.004 in. (0,10 mm) maximum

Valve Tappet Clearance

Cold Engine	Intake – 0.004 in. (0,1 mm) Exhaust – 0.006 in. (0,15 mm)
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* To bore oversize, add piston oversize dimension to standard bore.

Engine Specifications – 8 Models

Operation

Full Throttle Operating Range	4200 to 5200 RPM
Power	8 HP (6,0 kw)
Power Rated @	4700 RPM
Idle RPM in Gear	900 ± 50
Test Propeller	OMC P/N 386537
Minimum Test RPM	4700
Weight	8FRE – 85 lbs. (38,6 kg) 8FRBE – 85 lbs. (38,6 kg) 8FRL – 88 lbs. (40 kg) 8FRBL – 88 lbs. (40 kg) 8FRX – 91 lbs. (41,4 kg) 8FRBX – 91 lbs. (41,4 kg)

Powerhead

Type	Four-Stroke, In-line 2-Cylinder, OHC
Displacement	12.87 cu. in. (211 cc)
Bore	2.22 in. (56,6 mm)
Stroke	1.65 in. (42,0 mm)
Standard Bore*	2.2244-2.2248 in. (56,50-56,51 mm)
Crankshaft Dimensions:	
Top Journal	1.2200-1.2204 in. (30,99-31,00 mm)
Bottom Journal	1.2200-1.2204 in. (30,99-31,00 mm)
Rod Crankpin	1.1401-1.1398 in. (28,96-28,95 mm)
Camshaft Lobe Dimensions:	
Intake	0.954 ± 0.002 in. (24,222 ± 0,05 mm)
Exhaust	0.955 ± 0.002 in. (24,262 ± 0,05 mm)
Piston Ring End Gap (Top Two Rings)	0.006-0.014 in. (0,15-0,36 mm)
Piston Ring Groove Side Clearance (Top Two Rings)	0.004 in. (0,10 mm) maximum

Valve Tappet Clearance

Cold Engine	Intake 0.003 in. (0,08 mm) Exhaust 0.005 in. (0,12 mm)
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* To bore oversize, add piston oversize dimension to standard bore.