

# Engine Specifications

## 9.9, 15

### Operation

Full Throttle Operating Range	<b>9.9</b> - 5000 to 6000 RPM <b>15</b> - 5500 to 7000 RPM
Power	<b>9.9</b> - 9.9 HP (7,4 kw) <b>15</b> - 15 HP (11,2 kw)
Power Rated @	<b>9.9</b> - 5500 RPM <b>15</b> - 6250 RPM
Idle RPM in Gear	675 ± 25
Test Propeller	OMC P/N 386537
Minimum Test RPM	<b>9.9</b> - 4800 <b>9.9 SEL</b> - 4400 <b>15</b> - 6100
Weight	<b>R, BA</b> - 72 lbs. (33 kg) <b>RL, BAL</b> - 77 lbs. (35 kg) <b>E</b> - 75 lbs. (34,4 kg) <b>EL, REL</b> - 80 lbs. (36,4 kg) <b>9.9 SEL</b> - 88 lbs. (40 kg)

### Powerhead

Type	In-line 2-Cylinder
Displacement	13.2 cu. in. (216 cm <sup>3</sup> )
Bore	2.188 in. (55,58 mm)
Stroke	1.760 in. (44,70 mm)
Standard Bore*	2.1875-2.1883 in. (55,56-55,58 mm)
Crankshaft Dimensions:	
Top Journal	0.8757-0.8762 in. (22,24-22,26 mm)
Center Journal	0.8120-0.8125 in. (20,63-20,64 mm)
Bottom Journal	0.7870-0.7874 in. (19,98-19,99 mm)
Rod Crankpin	0.8120-0.8125 in. (20,63-20,64 mm)
Piston Diameter, Standard	2.1845-2.1850 in. (55,49-55,50 mm)
Piston Ring End Gap, Both	0.005-0.015 in. (0,13-0,38 mm)
Piston Ring Groove Side Clearance, Lower	0.004 in. (0,10 mm) maximum

\*To bore oversize, add piston oversize dimension to standard bore.

## Engine Specifications 10 Comm., 15 Comm.

### Operation

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Full Throttle Operating Range	<b>10</b> - 5000 to 6000 RPM <b>15</b> - 5500 to 7000 RPM
Power	<b>9.9</b> - 9.9 HP (7,4 kw) <b>15</b> - 15 HP (11,2 kw)
Power Rated @	<b>10</b> - 5500 RPM <b>15</b> - 6250 RPM
Idle RPM in Gear	675 ± 25
Test Propeller	OMC P/N 386537
Minimum Test RPM	<b>10</b> - 4800 <b>15</b> - 6100
Weight	<b>RP</b> - 72 lbs. (33 kg) <b>RPL</b> - 77 lbs. (35 kg)

### Powerhead

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Type	In-line 2-Cylinder
Displacement	13.2 cu. in. (216 cm <sup>3</sup> )
Bore	2.188 in. (55,58 mm)
Stroke	1.760 in. (44,70 mm)
Standard Bore*	2.1875-2.1883 in. (55,56-55,58 mm)
Crankshaft Dimensions:	
Top Journal	0.8757-0.8762 in. (22,24-22,26 mm)
Center Journal	0.8120-0.8125 in. (20,63-20,64 mm)
Bottom Journal	0.7870-0.7874 in. (19,98-19,99 mm)
Rod Crankpin	0.8120-0.8125 in. (20,63-20,64 mm)
Piston Diameter, Standard	2.1845-2.1850 in. (55,49-55,50 mm)
Piston Ring End Gap, Both	0.005-0.015 in. (0,13-0,38 mm)
Piston Ring Groove Side Clearance, Lower	0.004 in. (0,10 mm) maximum

\*To bore oversize, add piston oversize dimension to standard bore.

## Engine Specifications 20 thru 30

### Operation

Full Throttle Operating Range	<b>20, 25, 28</b> - 4500 to 5500 RPM <b>25 Comm.</b> - 4000 to 5000 RPM <b>30</b> - 5200 to 5800 RPM
Power	<b>20</b> - 20 HP (14,9 kw) <b>25</b> - 25 HP (18,7 kw) <b>28</b> - 28 HP (20,0 kw) <b>30</b> - 30 HP (22,4 kw)
Power Rated @	<b>20, 25, 28</b> - 5000 RPM <b>30</b> - 5500 RPM
Idle RPM in Gear	675 ± 25
Test Propeller	<b>20</b> - OMC P/N 386891 <b>25, 30</b> - OMC P/N 434505* <b>25 Comm.</b> - OMC P/N 396561 <b>28</b> - OMC P/N 398948
Minimum Test RPM	<b>20</b> - 4550 <b>25, 28</b> - 4800 <b>25 Comm.</b> - 4200 <b>30</b> - 5400
Weight	<b>R</b> - 114 lbs. (51,8 kg) Long Shaft - Add 2 lbs. (0,9 kg) <b>TE</b> - 120 lbs. (54,5 kg) Long Shaft - Add 2 lbs. (0,9 kg) <b>E</b> - 118 lbs. (53,6 kg) Long Shaft - Add 2 lbs. (0,9 kg)

\*Test Propeller P/N 394145 can be used if trim tab is removed.

### Powerhead

Type	In-line 2-Cylinder
Displacement	31.8 cu. in. (521 cm <sup>3</sup> )
Bore	3.000 in. (76,20 mm)
Stroke	2.250 in. (57,15 mm)
Standard Bore*	2.9995-3.0005 in. (76,19-76,21 mm)
Crankshaft Dimensions:	
Top Journal	1.2510-1.2515 in. (31,78-31,79 mm)
Center Journal	1.1833-1.1838 in. (30,06-30,07 mm)
Bottom Journal	0.9842-0.9846 in. (25,00-25,01 mm)
Rod Crankpin	1.1823-1.1828 in. (30,03-30,04 mm)
Piston Diameter, Standard	See <b>Section 4</b>
Piston Ring End Gap, Both	0.007-0.017 in. (0,18-0,43 mm)
Piston Ring Groove Side Clearance, Lower	0.004 in. (0,10 mm) maximum

\*To bore oversize, add piston oversize dimension to standard bore.