

Outboard Models Covered in This Service Manual

30 Models

J30JRSS

40 Models

J40WRSS
J40WRLSS
J40WRYSS
E40WRSS
E40WRLSS
E40WRYSS

J40RSS
J40RLSS
J40ESS
J40ELSS
J40PLSS
J40TPLSS
J40JPLSS

50 Models

J50RLSS
J50ESS
J50ELSS
J50PLSS

55 Models

J55RPLSS
J55WRSS
J55WRLSS
J55WRYSS

E55WRSS
E55WRLSS
E55WRYSS

60 Models

J60PLSS

65 Models

J65WRLSS
J65WRYSS
J65WELSS

E65WRLSS
E65WRYSS
E65WELSS

70 Models

J70PLSS
J70EPLSS

Engine Specifications

40/50

Operation

Full Throttle Operating Range	4500 to 5500 RPM
Power	40 – 40 HP (29,8 kw) 50 – 50 HP (37,0 kw)
Power Rated @	5000 RPM
Idle RPM in Gear	800 ± 25
Test Propeller	OMC P/N 432968
Minimum Test RPM	40 – 4900 50 – 5200
Weight	R, E – 180 lbs. (81,1 kg) RL, EL, PL – 185 lbs. (84,0 kg) TPL – 190 lbs. (86 kg)

Powerhead

Type	In-line 2-Cylinder
Displacement	45 cu. in. (737 cm ³)
Bore	3.1875 in. (80,96 mm)
Stroke	2.820 in. (71,63 mm)
Standard Bore*	3.1870 - 3.1880 in. (80,95 - 80,98 mm)
Crankshaft Dimensions:	
Top Journal	1.4986 - 1.4991 in. (38,06 - 38,08 mm)
Center Journal	1.3745 - 1.3749 in. (34,91 - 34,92 mm)
Bottom Journal	1.1810 - 1.1815 in. (30,00 - 30,01 mm)
Rod Crankpin	1.1823 - 1.1828 in. (30,03 - 30,04 mm)
Piston Diameter, Standard	See Section 4
Piston Ring End Gap, Both	0.019 - 0.031 in. (0,48 - 0,79 mm)

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

Gearcase

Gear Ratio	12:29 (0.414)
Lubricant	OMC Ultra-HPF Gearcase Lube
Capacity	16.4 fl. oz. (485 ml)

Engine Specifications 40WR/55

Operation

Full Throttle Operating Range	4500 to 5500 RPM
Power	40WR – 40 HP (29,6 kw) 55 – 55 HP (41,0 kw)
Power Rated @	5000 RPM
Idle RPM in Gear	800 ± 25
Test Propeller	OMC P/N 382861
Minimum Test RPM	5200
Weight	WR – 184 lbs. (83,4 kg) WRL – 191 lbs. (86,6 kg) WRY – 202 lbs. (91,6 kg)

Powerhead

Type	In-line 2-Cylinder
Displacement	45 cu. in. (737 cm ³)
Bore	3.1875 in. (80,96 mm)
Stroke	2.820 in. (71,63 mm)
Standard Bore*	3.1870 - 3.1880 in. (80,95 - 80,98 mm)
Crankshaft Dimensions:	
Top Journal	1.4986 - 1.4991 in. (38,06 - 38,08 mm)
Center Journal	1.3745 - 1.3749 in. (34,91 - 34,92 mm)
Bottom Journal	1.1810 - 1.1815 in. (30,00 - 30,01 mm)
Rod Crankpin	1.1823 - 1.1828 in. (30,03 - 30,04 mm)
Piston Diameter, Standard	3.1831 - 3.2131 in. (80,85 - 81,61 mm)
Piston Ring End Gap, Both	0.010 - 0.022 in. (0,25 - 0,56 mm)

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

Engine Specifications

60/65/70

Operation

Full Throttle Operating Range	65 – 4500 to 5500 RPM 60, 70 – 5000 to 6000 RPM
Power	60 – 60 HP (44,8 kw) 65 – 65 HP (46,2 kw) 70 – 70 HP (52,5 kw)
Power Rated @	65 – 5000 RPM 60, 70 – 5500 RPM
Idle RPM in Gear	800 ± 50
Test Propeller	OMC P/N 386665
Minimum Test RPM	60 – 5000 65 – 5550 70 – 5700
Weight:	WR, WE – 237 lbs. (108 kg) PL – 250 lbs. (114 kg) WRY – 242 lbs. (109,8 kg)

Powerhead

Type	In-line 3-Cylinder
Displacement	56.1 cu. in. (913 cm ³)
Bore	3.188 in. (80,97 mm)
Stroke	2.3437 in. (59,53 mm)
Standard Bore*	3.1870 - 3.1880 in. (80,95 - 80,97 mm)
Crankshaft Dimensions:	
Top Journal	1.4974 - 1.4979 in. (38,03 - 38,05 mm)
Center Journals	1.3748 - 1.3752 in. (34,92 - 34,93 mm)
Bottom Journal	1.1810 - 1.1815 in. (30,00 - 30,01 mm)
Rod Crankpin	1.1823 - 1.1828 in. (30,03 - 30,04 mm)
Piston Diameter, Standard	3.1806 - 3.1841 in. (80,79 - 80,88 mm)
Piston Ring End Gap, Both	65 – 0.010 - 0.022 in. (0,25 - 0,56 mm) 60, 70 – 0.019 - 0.031 in. (0,48 - 0,79 mm)

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