

Outboard Models Covered in This Service Manual

90 Models

J90PLSS
J90PXSS
J90SPLSS

100 Models

E100WPLSS
E100WPXSS

J100WPLSS
J100WPXSS

105 Models

E105WRLSS
E105WRYSS
E105WPLSS
E105WPXSS
E105WELSS

J105WRLSS
J105WRYSS
J105WPLSS
J105WPXSS
J105WELSS

115 Models

J115PLSS
J115PXSS
J115JPLSS
J115SPLSS

150 Models

E150WPLSS

J150WPLSS
J150PLSS
J150PXSS
J150CXSS
J150JPLSS
J150MXSS
J150SPLSS

175 Models

J175PLSS
J175PXSS
J175CXSS
J175SPLSS

Engine Specifications

90, 100, 115

Operation

Full Throttle Operating Range	4500 to 5500 RPM
Power	90 – 90 HP (67,2 kw) 100 – 100 HP (74,6 kw) 115 – 115 HP (85,8 kw)
Power Rated @	5000 RPM
Idle RPM in Gear	See Page 1-35
Test Propeller	OMC P/N 382861 PX, WPL, WPX – 387388
Minimum Test RPM	90 – 4500 100 – 5250 115 – 4800
Weight	PL, WPL – 319 lbs. (145 kg) PX, WPX – 336 lbs. (152 kg)

Powerhead

Type	60° V, 4-Cylinder
Displacement	105.4 cu. in. (1726 cm ³)
Bore	3.600 in. (91,44 mm)
Stroke	2.588 in. (65,74 mm)
Standard Bore*	3.5995 - 3.6005 in. (91,43 - 91,45 mm)
Crankshaft Dimensions:	
Top Journal	2.1870 - 2.1875 in. (55,55 - 55,56 mm)
Center Journal	2.1870 - 2.1875 in. (55,55 - 55,56 mm)
Bottom Journal	1.5747 - 1.5752 in. (40,0 - 40,01 mm)
Rod Crankpin	1.3757 - 1.3762 in. (34,94 - 34,96 mm)
Piston Ring End Gap, Both	0.011 - 0.023 in. (0,28 - 0,58 mm)

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

Engine Specifications

105

Operation

Full Throttle Operating Range	4500 to 5500 RPM
Idle RPM in Gear	See Page 1-35 WR – See Page 1-40
Test Propeller	OMC P/N 387388
Minimum Test RPM	5250
Weight	WEL – 311 lbs. (141 kg) WPL – 319 lbs. (145 kg) WPX – 324 lbs. (147 kg) WRL – 328 lbs. (148,8 kg) WRY – 332 lbs. (150,6 kg)

Powerhead

Type	60° V, 4-Cylinder
Displacement	105.4 cu. in. (1726 cm ³)
Bore	3.600 in. (91,44 mm)
Stroke	2.588 in. (65,74 mm)
Standard Bore*	3.5995 - 3.6005 in. (91,43 - 91,45 mm)
Crankshaft Dimensions:	
Top Journal	2.1870 - 2.1875 in. (55,55 - 55,56 mm)
Center Journal	2.1870 - 2.1875 in. (55,55 - 55,56 mm)
Bottom Journal	1.5747 - 1.5752 in. (40,00 - 40,01 mm)
Rod Crankpin	1.3757 - 1.3762 in. (34,94 - 34,96 mm)
Piston Ring End Gap, Both	0.011 - 0.023 in. (0,28 - 0,58 mm)

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

Gearcase

Gear Ratio	12:27 (.44)
Lubricant	OMC Ultra-HPF Gearcase Lube
Capacity	33 fl. oz. (980 ml)
Shift Rod Height	WEL, WPL – 21¼ ± 1/32 in. (539,8 ± 0,8 mm) WRL – 21¾ ± 1/32 in. (552,4 ± 0,8 mm) WRY – 24¼ ± 1/32 in. (616 ± 0,8 mm) WXP – 26¼ ± 1/32 in. (667 ± 0,8 mm)
Shift Cable Stroke	See Page 6-2

Engine Specifications

150, 175

Operation

Full Throttle Operating Range	4500 to 5500 RPM
Power	150 – 150 HP (112 kw) 175 – 175 HP (131 kw)
Power Rated @	5000 RPM
Idle RPM in Gear	See Page 1-35
Test Propeller	OMC P/N 387388 CX – OMC P/N 398673
Minimum Test RPM	150 – 4500 175 – 4800
Weight	PL, WPL – 370 lbs. (168 kg) PX, CX – 375 lbs. (170 kg)

Powerhead

Type	60° V, 6-Cylinder
Displacement	158 cu. in. (2589 cm ³)
Bore	3.600 in. (91,44 mm)
Stroke	2.588 in. (65,74 mm)
Standard Bore*	3.5995 - 3.6005 in. (91,43 - 91,45 mm)
Crankshaft Dimensions:	
Top Journal	2.1870 - 2.1875 in. (55,55 - 55,56 mm)
Center Journals	2.1870 - 2.1875 in. (55,55 - 55,56 mm)
Bottom Journal	1.5747 - 1.5752 in. (40,0 - 40,01 mm)
Rod Crankpin	1.3757 - 1.3762 in. (34,94 - 34,96 mm)
Piston Ring End Gap, Both	0.011 - 0.023 in. (0,28 - 0,58 mm)

Gearcase

Gear Ratio	14:26 (.540)
Lubricant	OMC <i>Ultra-HPF</i> Gearcase Lube
Capacity	33 fl. oz. (980 ml)

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