

SPECIFICATIONS

	85 HP	100 HP	115 HP	140 HP
POWERHEAD				
Engine type	90° V type, 4 cylinder, 2 stroke cycle	90° V type, 4 cylinder, 2 stroke cycle	90° V type, 4 cylinder, 2 stroke cycle	90° V type, 4 cylinder, 2 stroke cycle
Model number				
20" (508 mm) transom manual tilt	J85MLCS	J100MLCS	J115MLCS	J140MLCS
20" (508 mm) transom power trim and tilt	J85TLCS	J100TRLCS	J115TLCS	J140TLCS
25" (635 mm) transom power trim and tilt	J85TXCS	J100TRXCS	J115TXCS	J140TXCS
Bore and stroke	3.500 (88.90 mm) bore x 2.588 (65.74 mm) stroke	3.500 (88.90 mm) bore x 2.588 (65.74 mm) stroke	3.500 (88.90 mm) bore x 2.588 (65.74 mm) stroke	3.500 (88.90 mm) bore x 2.588 (65.74 mm) stroke
Piston displacement	99.6 cubic inches (1632 cm ³)	99.6 cubic inches (1632 cm ³)	99.6 cubic inches (1632 cm ³)	99.6 cubic inches (1632 cm ³)
Horsepower (BIA certified)	85 hp (60.1 kw) at 5000 rpm	100 hp (70.7 kw) at 5000 rpm	115 hp (81.3 kw) at 5000 rpm	140 hp (99.0 kw) at 5000 rpm
Full throttle operating range	4500 to 5500 rpm	4500 to 5500 rpm	4500 to 5500 rpm	4500 to 5500 rpm
Idle speed in gear (max)	650 rpm	650 rpm	650 rpm	650 rpm
Test wheel part no.	382861	382861	384933	386246
Test wheel rpm	4800 rpm	4800 rpm	4800 rpm	4900 rpm
Piston less rings	Standard 0.020" oversize 0.030" oversize	Standard 0.020" oversize 0.030" oversize	Standard 0.020" oversize 0.030" oversize	Standard 0.020" oversize 0.030" oversize
Piston ring set part no.				
Standard	385661	385661	385661	385661
0.020" oversize	385662	385662	385662	385662
0.030" oversize	385663	385663	385663	385663
Width of ring (upper)	0.0895" - 0.0900" (2.273 - 2.286 mm)	0.0895" - 0.0900" (2.273 - 2.286 mm)	0.0895" - 0.0900" (2.273 - 2.286 mm)	0.0895" - 0.0900" (2.273 - 2.286 mm)
Width of ring (lower)	0.0615" - 0.0625" (1.562 - 1.588 mm)	0.0615" - 0.0625" (1.562 - 1.588 mm)	0.0615" - 0.0625" (1.562 - 1.588 mm)	0.0615" - 0.0625" (1.562 - 1.588 mm)
Crankshaft size				
Top journal	1.6204" - 1.6199" (41.158 - 41.145 mm)	1.6204" - 1.6199" (41.158 - 41.145 mm)	1.6204" - 1.6199" (41.159 - 41.145 mm)	1.6204" - 1.6199" (41.158 - 41.145 mm)
Center journal	2.1875" - 2.1870" (55.563 - 55.550 mm)	2.1875" - 2.1870" (55.563 - 55.550 mm)	2.1875" - 2.1870" (55.563 - 55.550 mm)	2.1875" - 2.1870" (55.563 - 55.550 mm)
Bottom journal	1.3784" - 1.3779" (35.011 - 34.999 mm)	1.3784" - 1.3779" (35.011 - 34.999 mm)	1.3784" - 1.3779" (35.011 - 34.999 mm)	1.3784" - 1.3779" (35.011 - 34.999 mm)
Connecting rod crank pin	1.3762" - 1.3757" (34.955 - 34.943 mm)	1.3762" - 1.3757" (34.955 - 34.943 mm)	1.3762" - 1.3757" (34.955 - 34.943 mm)	1.3762" - 1.3757" (34.955 - 34.943 mm)
FUEL SYSTEM				
Carburetion	2 carburetors - float feed with fixed high, intermediate and low speed jets	2 carburetors - float feed with fixed high, inter- mediate and low speed jets	2 carburetors - float feed with fixed high, inter- mediate and low speed jets	2 carburetors - float feed with fixed high, inter- mediate and low speed jets
Float level setting	Between notches on gauge 324891	Between notches on gauge 324891	Between notches on gauge 324891	Between notches on gauge 324891
Carburetor high speed orifice plug	1" dia bore - Part number 322221 Hole size 0.049" (1.24 mm)	Part number 317646 Hole size 0.054" (1.37 mm)	Part number 321449 Hole size 0.060" (1.52 mm)	Part number 317183 Hole size 0.067" (1.70 mm)
	1-3/8" dia bore - Part number 321731 Hole size 0.058" (1.47 mm)			
Carburetor intermediate speed orifice plug	Part number 326188 Hole size 0.028" (0.71 mm)	Part number 322936 Hole size 0.028" (0.71 mm)	Part number 323003 Hole size 0.025" (0.64 mm)	Part number 322776 Hole size 0.029" (0.74 mm)
Idle air bleed orifice plug	1" dia bore - Part number 320016 Hole size 0.032" (0.81 mm)	Part number 324025 Hole size 0.034" (0.86 mm)	Part number 317473 Hole size 0.030" (0.76 mm)	Part number 317474 Hole size 0.027" (0.69 mm)
	1-3/8" dia bore - Part number 391347 Hole size 0.033" (0.84 mm)			
Inlet needle set	0.065" - 0.062" (1.65 - 1.57 mm) Use a number 52 drill as gage	0.065" - 0.062" (1.65 - 1.57 mm) Use a number 52 drill as gage	0.065" - 0.062" (1.65 - 1.57 mm) Use a number 52 drill as gage	0.065" - 0.062" (1.65 - 1.57 mm) Use a number 52 drill as gage
Fuel tank capacity	6 gallons (22.7 litres)	6 gallons (22.7 litres)	6 gallons (22.7 litres)	6 gallons (22.7 litres)