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ENGINE SPECIFICATIONS

Operation

Power

40	40 HP [29.4 kW]
50	50 HP [36.8 kW]
60	60 HP [44.1 kW]
70	70 HP [51.5 kW]
80	80 HP [58.8 kW]
90	90 HP [66.2 kW]
115	115 HP [84.6 kW]
120	120 HP [88.3 kW]
140	140 HP [103 kW]

Full Throttle RPM Range

40D	4500 - 5500
40D2	5000 - 5700
50D	5000 - 5700
50D2	5150 - 5850
60B, 70B	4900 - 5600
60C, 70C	5150 - 5850
80, 90	5000 - 5500
115, 120, 140	5200 - 5700

Idle RPM	IN GEAR	NEUTRAL
40, 50	750	900
60, 70	750	900
80, 90, 115, 120, 140	700	900

Fuel Consumption at Full Throttle

40	4.5 g/hr [17 L/hr]
50	5.6 g/hr [21 L/hr]
60	6.3 g/hr [24 L/hr]
70	7.4 g/hr [28 L/hr]
80, 90	9.5 g/hr [36 L/hr]
115	13.2 g/hr [50 L/hr]
120	13.2 g/hr [50 L/hr]
140	15.3 g/hr [58 L/hr]

Test Propeller

40, 50	3C8-64111-0
60B, 70B	3F3-64111-0
60C, 70C	3B7-64111-0
80, 90	3B7-64111-0
115, 120, 140	3C7-64111-0

Powerhead

Number of Cylinders

40, 50, 60, 70, 80, 90	3
115, 120, 140	4

Displacement

40, 50	42.5 cu. in [697 cm³]
60, 70	57.2 cu. in [938 cm³]
80, 90	77.3 cu. in [1267 cm³]
115, 120, 140	107.9 cu. in [1768 cm³]

Standard Bore

40, 50	2.677 in [68 mm]
60, 70	2.913 in [74 mm]
80, 90	3.386 in [86 mm]
115, 120, 140	3.465 in [88 mm]

Stroke

40, 50	2.52 in [64 mm]
60, 70, 80, 90, 115, 120, 140	2.86in [72.7mm]

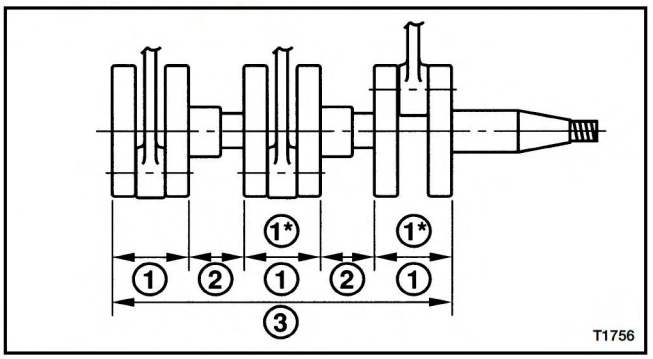
Piston Clearance

40, 50	0.0012 - 0.0028 in [0.03 - 0.07 mm]
60, 70	0.0016 - 0.0031 in [0.04 - 0.08 mm]
80, 90	0.0031 - 0.0051 in [0.08 - 0.13 mm]
115, 120, 140	0.0039 - 0.0055 in [0.10 - 0.14 mm]

Piston Ring End Gap

40, 50 Top Ring	0.009 - 0.015 in [0.22 - 0.37 mm]
40, 50 2nd Ring	0.013 - 0.019 in [0.33 - 0.48 mm]
60, 70	0.009 - 0.015 in [0.22 - 0.37 mm]
80, 90	0.010 - 0.016 in [0.25 - 0.40 mm]
115, 120, 140	0.011 - 0.019 in [0.28 - 0.49 mm]

Crankshaft Dimensions



Dimension 1

40, 50 ..... $2.087 \begin{smallmatrix} 0 \\ -0.001 \end{smallmatrix}$ in $\left[53 \begin{smallmatrix} 0 \\ -0.02 \end{smallmatrix} \text{ mm}\right]$

60, 70 ..... $2.362 \begin{smallmatrix} -0.008 \\ -0.009 \end{smallmatrix}$ in $\left[60 \begin{smallmatrix} -0.20 \\ -0.22 \end{smallmatrix} \text{ mm}\right]$

80, 90 ..... $2.677 \begin{smallmatrix} 0 \\ -0.001 \end{smallmatrix}$ in $\left[68 \begin{smallmatrix} 0 \\ -0.02 \end{smallmatrix} \text{ mm}\right]$

115, 120, 140 ..... $2.677 \begin{smallmatrix} 0 \\ -0.001 \end{smallmatrix}$ in $\left[68 \begin{smallmatrix} 0 \\ -0.02 \end{smallmatrix} \text{ mm}\right]$

Dimension 1*

80, 90 only ..... $2.598 \begin{smallmatrix} 0 \\ -0.001 \end{smallmatrix}$ in $\left[66 \begin{smallmatrix} 0 \\ -0.02 \end{smallmatrix} \text{ mm}\right]$