



**GENERAL SPECIFICATIONS**

Item	Unit	Model			
		6CM	6CEM	8CM	8CEM
		6MH	—	8MH	—
Worldwide		6M8		6N0	
USA, CANADA		6M8		6N0	
<b>MODEL CODE:</b>		6M8		6N0	
<b>DIMENSIONS:</b>					
Overall length	mm (in)	802 (31.6)			
Overall width	mm (in)	343 (13.5)			
Overall height	S mm (in)	977 (38.5)			
	L mm (in)	1,104 (43.5)			
Boat transom height	UL mm (in)	—	1,167 (45.9)	—	
	S mm (in)	381 (15.0)			
	L mm (in)	508 (20.0)			
O/M transom height	UL mm (in)	—	635 (25.0)	—	
	S mm (in)	436 (17.2)			
	L mm (in)	563 (22.2)			
Weight	UL mm (in)	—	626 (24.6)	—	
	S kg (lb)	27 (59.5)	29 (63.9)	27 (59.5)	29 (63.9)
	L kg (lb)	27.5 (60.6)	29.5 (65.0)	27.5 (60.6)	29.5 (65.0)
	UL kg (lb)	—	28 (61.7)	—	
<b>PERFORMANCE:</b>					
Full throttle speed range	rpm	4,000 ~ 5,000		4,500 ~ 5,500	
Output (ISO)	kw (hp)/rpm	4.4 (6)/4,500		5.9 (8)/5,000	
Max fuel consumption	L (qt)/h at rpm	3.6 (8)/5,000		4.5 (10)/5,500	
<b>ENGINE:</b>					
Engine type		2-stroke			
Cylinder number		2			
Total displacement	cm <sup>3</sup> (cu. in)	165 (10.07)			
Bore x Stroke	mm x mm	50 x 42			
	(in x in)	(1.97 x 1.65)			
Compression ratio		7.00			
Compression pressure	kPa	1,079			
	(kg/cm <sup>2</sup> , psi)	(10.8, 153)			
Carburetor number		1			
Intake system		Reed valve			
Scavenging system		Cross scavenging			
Exhaust system		Through prop boss			
Cooling system		Water			
Starting system		Manual	Manual & Electric	Manual	Manual & Electric
Ignition system		CDI			
Advance type		Mechanical			
Alternator for charging	V-A	—	12-6	—	12-6
Alternator for lighting	V-W	12-80	—	12-80	—
Carburetor starting system		Choke valve type			
Spark plug (NGK)	V-W	B7HS-10			



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		6CM	6CEM	8CM	8CEM
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Resistant spark plug (NGK)		BR7HS-10			
<b>FUEL AND LUBRICATION:</b>					
Fuel	P.O.N.*1	Regular gasoline			
Fuel rating		Min. 86			
Fuel type		Pre-mixed fuel & oil			
Engine oil type		2-stroke outboard motor oil			
Engine oil grade		TC-W3			
Mixing ratio (G)		100 : 1			
Gear oil type		Hypoid gear oil-SAE#90			
Gear oil quantity		cm <sup>3</sup> (US oz, Imp oz)	160 (5.4, 5.6)		
<b>BRACKET:</b>					
Tilt angle	degree	4, 8, 12, 16, 20			
Tilt-up angle	degree	81			
Shallow water cruising angle	degree	Tilt angle+37			
Steering angle (left + right)	degree	60 + 60			
<b>DRIVE UNIT:</b>					
Gear shift position		F-N-R			
Gear ratio		13:27 (2.08)			
Gear type		Straight bevel gear			
Clutch type		Dog clutch			
Propeller direction		Clockwise (back view)			
Propeller drive system		Spline			
Propeller series mark		N			
<b>ELECTRICAL:</b>					
Battery capacity	Ah	—	40	—	40
Cold cranking	Amps	—	210	—	210

\*1 : Pump Octance Number; (Reserch octane + Motor octane)/2