



GENERAL SPECIFICATIONS

Item	Unit	Model			
		6CM	6CEM	8CM	8CEM
MODEL CODE:		6H6		6G1	
DIMENSIONS:					
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)			
	UL mm (in)	1,167 (45.9)	–	1,167 (45.9)	
Boat transom height	S mm (in)	381 (15.0)			
	L mm (in)	508 (20.0)			
	UL mm (in)	559 (22.0)	–	635 (25.0)	
O/M transom height	S mm (in)	436 (17.2)			
	L mm (in)	563 (22.2)			
	UL mm (in)	626 (24.6)	–	626 (24.6)	
Weight	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)	–	28 (61.7)	30 (66.1)
PERFORMANCE:					
Full throttle speed range	rpm	4,000 ~ 5,000		4,500 ~ 5,500	
Output (ISO)	kw (hp)/rpm	4.5 (6)/4,500		6 (8)/5,000	
Max fuel consumption	L (qt)/h at rpm	3.6 (8)/5,000		4.5 (10)/5,500	
ENGINE:					
Engine type		2-stroke			
Cylinder number		2			
Total displacement	cm ³ (cu. in)	165 (10.07)			
Bore × Stroke	mm × mm (in × in)	50 × 42 (1.97 × 1.65)			
Compression ratio		7.00			
Compression pressure	kPa (kg/cm ² , psi)	1,079 (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			
Resistant spark plug (NGK)		BR7HS-10			



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

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