



GENERAL SPECIFICATIONS

Item	Unit	Model			
		9.9MH 9.9D	9.9EH 9.9DE	15MH 15D	15EH 15DE
MODEL CODE:		6E7		6E8	
DIMENSIONS:					
Overall length	mm (in)	863 (34.0)			
Overall width	mm (in)	378 (14.9)			
Overall height	S mm (in)	1,023 (40.3)			
	L mm (in)	1,150 (45.3)			
Boat transom height	S mm (in)	381 (15.0)			
	L mm (in)	508 (20.0)			
O/M transom height	S mm (in)	441 (17.4)			
	L mm (in)	568 (22.4)			
Weight (Al.)	S kg (lb)	37.5 (82.7)	39.5 (87.1)	37.5 (82.7)	39.5 (87.1)
	L kg (lb)	39 (86)	41 (90.4)	39 (86)	41 (90.4)
PERFORMANCE:					
Full throttle speed range	rpm	4,500 ~ 5,500			
Output (ISO)	kW(hp)/rpm	7.4 (9.9)/5,000		11.2 (15)/5,000	
Maximum fuel consumption	l/h	5.1/5,500		7.3/5,500	
ENGINE:					
Engine type	Stroke	2			
Cylinders arrangement		Inline 2			
Total displacement	cm ³ (cu. in)	246 (15.0)			
Bore × stroke	mm × mm	56 × 50			
	(in × in)	(2.20 × 1.97)			
Compression ratio		7.00			
Compression pressure	kPa	853			
	(kg/cm ² , psi)	(8.53, 121)			
Number of carburetor		1			
Intake system		Reed valve			
Scavenging system		Loop charged			
Starting system		Manual	Manual & Electric	Manual	Manual & Electric
Ignition system		CDI			
Alternator output		12V-80W for lighting	12V-6A for charging	12V-80W for lighting	12V-6A for charging
		Choke valve type			
Carburetor starting system		Mechanical			
Advance type		B7HS-10			
Spark plug (NGK)		L82C			
	(CHAMPION)	BR7HS-10			
Resistant spark plug (NGK)		RL86C			
	(CHAMPION)				
Exhaust system		Through propeller boss			
Cooling system		Water			
Lubrication system		Pre-mixed fuel and oil			



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FUEL AND LUBRICATION:					
Fuel type	P.O.N.* ¹ cm ³ (US oz, Imp oz)	Regular gasoline			
Fuel rating		Min. 86			
Engine oil type		Two-cycle outboard motor oil* ²			
Engine oil grade		TC-WII			
Gear oil type		Hypoid gear oil-SAE#90* ³			
Gear oil quantity		185 (6.25, 6.51)			
Mixing ratio		100:1			
BRACKET:					
Tilt angle	degree	8, 12, 16, 20			
Tilt-up angle	degree	73			
Shallow water crusing angle	degree	28, 32, 36, 40			
Steering angle (left + right)	degree	40+40			
DRIVE UNIT:					
Gear shift position		F-N-R* ⁴			
Gear ratio		13:27 (2.08)			
Gear type		Spairal bevel gear			
Clutch type		Dog clutch			
Propeller direction (rear view)		Clockwise			
Propeller drive system		Spline			
Propeller series mark		J			
ELECTRICAL:					
Battery capacity	Ah (kC)	–	40 (144)	–	40 (144)
Cold cranking	Amps	–	210	–	210

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

*²: YAMAHALUBE two-cycle outboard motor oil is recommended in U.S.A.

YAMAHALUBE 1 is recommended in CANADA

*³: GEAR CASE LUBE is recommended in U.S.A.

*⁴: Forward-Neutral-Reverse