

**General specification**

Item	Unit	Model			
		F9.9FMH	T9.9GEH	T9.9GPH	T9.9GPR
<b>Dimension</b>					
Overall length	mm (in)	1,038 (40.9)			573 (22.6)
Overall width	mm (in)	371 (14.6)			335 (13.2)
Overall height (S)	mm (in)	998 (39.3)	—		
(L)	mm (in)	1,125 (44.3)	1,187 (46.7)		
(X)	mm (in)	—	1,255 (49.4)		
Transom height (S)	mm (in)	430 (16.9)	—		
(L)	mm (in)	557 (21.9)	552 (21.7)	557 (21.9)	
(X)	mm (in)	—	620 (24.4)	625 (24.6)	
Boat transom height (S)	mm (in)	381 (15.0)	—		
(L)	mm (in)	508 (20.0)			
(X)	mm (in)	—	635 (25.0)		
<b>Weight</b>					
(with aluminum propeller) (S)	kg (lb)	41.5 (92)	—		
(L)	kg (lb)	42.5 (94)	47.2 (104)	51.8 (114)	49.1 (108)
(X)	kg (lb)	—	48.3 (107)	52.9 (117)	50.2 (111)
<b>Performance</b>					
Maximum output	kW (HP)	7.3 (9.9) at 5,500 r/min			
Full throttle operating range	r/min	5,000–6,000			
Maximum fuel consumption	L (US gal, Imp gal)/hr	3.9 (1.0, 0.9) at 6,000 r/min			
Engine idle speed	r/min	1,050 ± 50			

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		F9.9FMH	T9.9GEH	T9.9GPH	T9.9GPR
<b>Power unit</b>					
Type		4-stroke L			
Cylinder quantity		2			
Total displacement	cm <sup>3</sup> (cu. in)	212 (12.9)			
Bore × stroke	mm (in)	56.0 × 43.0 (2.20 × 1.69)			
Compression ratio		9.4			
Control system		Tiller handle			Remote control
Starting system		Manual	Manual and electric	Electric	
Fuel system		Carburetor			
Enrichment system		Choke valve			
Ignition control system		CDI (micro computer)			
Advanced type		Micro computer			
Ignition timing at 1,050 r/min	Degree	BTDC 5 ± 3			
Maximum generator output	V, W V, A	12, 80 —	— 12, 6.0		
Spark plug		BR6HS-10 (NGK)			
Cooling system		Water			
Exhaust system		Propeller boss			
Lubrication system		Wet sump			
<b>Fuel and oil</b>					
Fuel type		Regular unleaded gasoline			
Engine oil type		4-stroke motor oil			
Engine oil grade <sup>(*)</sup>	API SAE	SE, SF, SG, SH, SJ, or SL 5W-30, 10W-30, or 10W-40			
Engine oil quantity	L (US qt, Imp qt)	0.8 (0.85, 0.70)			
Gear oil type		Hypoid gear oil			
Gear oil grade <sup>(*)</sup>	API SAE	GL-4 90			
Gear oil quantity	cm <sup>3</sup> (US oz, Imp oz)	150 (5.07, 5.29)	370 (12.51, 13.05)		
<b>Bracket unit</b>					
Trim angle (at 12° boat transom)	Degree	0.0, 4.0, 8.0, 12.0		—	
Tilt-up angle	Degree	71		74	
Steering angle	Degree	43 + 43		38 + 38	

(\*) If the recommended engine oil grades are not available, use engine oil with an API classification of SH, SJ, or SL and an SAE classification of 15W-40, 20W-40, or 20W-50.

(\*\*) Meeting both API and SAE requirements



<b>SPEC</b>		<b>Specification</b>
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<b>PT system</b> Fluid type		—		ATF Dexron II	
<b>Drive unit</b> Gear shift positions		F-N-R			
Gear ratio		2.08 (27/13)	2.92 (38/13)		
Reduction gear type		Straight bevel gear	Spiral bevel gear		
Clutch type		Dog clutch			
Propeller shaft type		Spline			
Propeller direction (rear view)		Clockwise			
Propeller mark		N	R		
<b>Electrical</b> Battery minimum capacity					
CCA/SAE	A	—	245.0		
MCA/ABYC	A	—	323.0		
RC/SAE	minute	—	52		
Electrolyte specific gravity at 20 °C (68 °F)		—	1.280		