



**GENERAL SPECIFICATIONS**

Item	Worldwide		Unit	Model		
	USA, CANADA			F8BMH	F8BEH	F8BE
				—	—	—
Overall length			mm (in)	993 (39.1)		575 (22.6)
Overall width			mm (in)	430 (16.9)		325 (12.8)
Overall height	(S)		mm (in)	1,004 (39.5)		
	(L)		mm (in)	1,131 (44.5)		
	(X)		mm (in)	—		
Boat transom height	(S)		mm (in)	381 (15.0)		
	(L)		mm (in)	508 (20.0)		
	(X)		mm (in)	—		
Weight (without propeller)	(S)		kg (lb)	41.5 (91)	43.0 (95)	43.5 (96)
	(L)		kg (lb)	42.5 (94)	44.0 (97)	44.5 (98)
	(X)		kg (lb)	—		
Maximum output			kW (hp)@rpm	5.9 (8)@5,000		
Speed range at full-throttle			rpm	4,500 ~ 5,500		
Speed range at idling			rpm	950 ± 50		
Speed range at trolling			rpm	850 ± 50		
Maximum fuel consumption			ℓ / h (US/Imp gal)@rpm	3.3 (0.87/0.73)@5500		
Engine type				4 stroke OHC*1		
Number of cylinders				2		
Total displacement			cm <sup>3</sup> (cu. in)	232 (14.16)		
Bore and stroke			mm × mm (in × in)	59.0 × 42.4 (2.32 × 1.67)		
Compression ratio				9.3 : 1		
Spark plug			NGK number	CR5HS		
Number of carburetor				1		
Carburetor starting system				Prime start		
Manifold arrangement				Cross flow		
Exhaust system				Through propeller boss		
Lubrication system				Wet sump		
Ignition system				CDI		
Starting system				Manual starter	Electric starter	
Fuel rating			P.O.N.*2	86		
Engine oil type*3			SAE	10W-30, 10W-40		
			API	SE, SF, SE-SF, SE-SF-CC		
Engine oil pan capacity			ℓ (US/Imp qt)	1.0 (1.06/0.88)		
Gear oil type				Hypoid gear oil		
			SAE	90*4		
Gear oil capacity			cm <sup>3</sup> (US/Imp oz)	185 (6.25/6.51)		
Tilt angle at 12° boat transom			Degree	8, 12, 16, 20		
Tilt-up angle at 12° boat transom			Degree	70		
Shallow water angle			Degree	Tilt angle +20		—
Steering angle (left + right)			Degree	37 + 37		
Gear shift position				F-N-R*5		
Gear ratio				13 : 27 (2.08)		
Reduction system				Spiral bevel gear		
Propeller direction (rear view)				Clock wise		
Propeller drive system				Spline		

\*1: Over head camshaft

\*2: Pump Octane Number; (Research octane + Motor octane)/2

\*3: YAMALUBE 4 is recommended

\*4: GEAR CASE LUBE is recommended in USA

\*5: Forward-Neutral-Reverse



Item	Worldwide		Unit	Model		
	USA, CANADA			FT9.9AMH	FT9.9AEH	FT9.9AE
				T9.9MH	T9.9EH	T9.9ER
Overall length			mm (in)	993 (39.1)		575 (22.6)
Overall width			mm (in)	430 (16.9)		325 (12.8)
Overall height	(S)		mm (in)	—		1,051 (41.4)
	(L)		mm (in)	1,178 (46.4)		
	(X)		mm (in)	1,254 (49.4)		
Boat transom height	(S)		mm (in)	—		381 (15.0)
	(L)		mm (in)	508 (20.0)		
	(X)		mm (in)	635 (25.0)		
Weight (without propeller)	(S)		kg (lb)	—		44.5 (98)
	(L)		kg (lb)	43.5 (96)	45.0 (99)	45.5 (100)
	(X)		kg (lb)	44.0 (97)	45.5 (100)	46.0 (101)
Maximum output			kW (hp)@rpm	7.3 (9.9)@4,500		
Speed range at full-throttle			rpm	4,000 ~ 5,000		
Speed range at idling			rpm	1,150 ± 50		
Speed range at trolling			rpm	1,000 ± 50		
Maximum fuel consumption			ℓ / h (US/Imp gal)@rpm	3.3 (0.87/0.73)@5,000		
Engine type				4 stroke OHC*1		
Number of cylinders				2		
Total displacement			cm <sup>3</sup> (cu. in)	232 (14.16)		
Bore and stroke			mm × mm (in × in)	59.0 × 42.4 (2.32 × 1.67)		
Compression ratio				9.3 : 1		
Spark plug			NGK number	CR6HS		
Number of carburetor				1		
Carburetor starting system				Prime start		
Manifold arrangement				Cross flow		
Exhaust system				Through propeller boss		
Lubrication system				Wet sump		
Ignition system				CDI		
Starting system				Manual starter	Electric starter	
Fuel rating			P.O.N.*2	86		
Engine oil type*3			SAE	10W-30, 10W-40		
			API	SE, SF, SE-SF, SE-SF-CC		
Engine oil pan capacity			ℓ (US/Imp qt)	1.0 (1.06/0.88)		
Gear oil type				Hypoid gear oil		
			SAE	90*4		
Gear oil capacity			cm <sup>3</sup> (US/Imp oz)	320 (10.82/11.26)		
Tilt angle at 12° boat transom			Degree	8, 12, 16, 20		
Tilt-up angle at 12° boat transom			Degree	70		
Shallow water angle			Degree	—		
Steering angle (left + right)			Degree	37 + 37		
Gear shift position				F-N-R*5		
Gear ratio				13 : 38 (2.92)		
Reduction system				Spiral bevel gear		
Propeller direction (rear view)				Clock wise		
Propeller drive system				Spline		

\*1: Over head camshaft

\*2: Pump Octane Number; (Research octane + Motor octane)/2

\*3: YAMALUBE 4 is recommended

\*4: GEAR CASE LUBE is recommended in USA

\*5: Forward-Neutral-Reverse



Item	Worldwide		Unit	Model		
	USA, CANADA			F9.9BMH	F9.9BEH	F9.9BE
				F9.9MH	F9.9EH	—
Overall length			mm (in)	863 (34.0)* <sup>1</sup>	993 (39.1)* <sup>2</sup>	575 (22.6)
Overall width			mm (in)	392 (15.4)* <sup>1</sup>	430 (16.9)* <sup>2</sup>	325 (12.8)
Overall height	(S)		mm (in)	1,004 (39.5)		
	(L)		mm (in)	1,131 (44.5)		
	(X)		mm (in)	—		
Boat transom height	(S)		mm (in)	381 (15.0)		
	(L)		mm (in)	508 (20.0)		
	(X)		mm (in)	—		
Weight (without propeller)	(S)		kg (lb)	41.5 (91)	43.0 (95)	43.5 (96)
	(L)		kg (lb)	42.5 (94)	44.0 (97)	44.5 (98)
	(X)		kg (lb)	—	—	—
Maximum output			kW (hp)@rpm	7.3 (9.9)@5,000		
Speed range at full-throttle			rpm	4,500 ~5,500		
Speed range at idling			rpm	950 ± 50		
Speed range at trolling			rpm	850 ± 50		
Maximum fuel consumption			ℓ / h (US/Imp gal)@rpm	3.8 (1.00/0.84)@5,500		
Engine type				4 stroke OHC* <sup>3</sup>		
Number of cylinders				2		
Total displacement			cm <sup>3</sup> (cu. in)	232 (14.16)		
Bore and stroke			mm × mm (in × in)	59.0 × 42.4 (2.32 × 1.67)		
Compression ratio				9.3 : 1		
Spark plug			NGK number	CR6HS		
Number of carburetor				1		
Carburetor starting system				Prime start		
Manifold arrangement				Cross flow		
Exhaust system				Through propeller boss		
Lubrication system				Wet sump		
Ignition system				CDI		
Starting system				Manual starter	Electric starter	
Fuel rating			P.O.N.* <sup>4</sup>	86		
Engine oil type* <sup>5</sup>			SAE	10W-30, 10W-40		
			API	SE, SF, SE-SF, SE-SF-CC		
Engine oil pan capacity			ℓ (US/Imp qt)	1.0 (1.06/0.88)		
Gear oil type				Hypoid gear oil		
			SAE	90* <sup>6</sup>		
Gear oil capacity			cm <sup>3</sup> (US/Imp oz)	185 (6.25/6.51)		
Tilt angle at 12° boat transom			Degree	8, 12, 16, 20		
Tilt-up angle at 12° boat transom			Degree	70		
Shallow water angle			Degree	Tilt angle +20		—
Steering angle (left + right)			Degree	37 + 37		
Gear shift position				F-N-R* <sup>7</sup>		
Gear ratio				13 : 27 (2.08)		
Reduction system				Spiral bevel gear		
Propeller direction (rear view)				Clock wise		
Propeller drive system				Spline		

\*1: Except for Europe and Canada  
 \*2: For Europe and Canada  
 \*3: Over head camshaft  
 \*4: Pump Octane Number; (Research octane + Motor octane)/2  
 \*5: YAMALUBE 4 is recommended  
 \*6: GEAR CASE LUBE is recommended in USA  
 \*7: Forward-Neutral-Reverse