

General specification

Item	Unit	Model		
		F15MH	F15EH	F15PH
Dimension				
Overall length	mm (in)	1,048 (41.3)		
Overall width	mm (in)	420 (16.5)		
Overall height				
(S)	mm (in)	1,078 (42.4)		—
(L)	mm (in)	1,205 (47.4)		
Transom height				
(S)	mm (in)	438 (17.2)		—
(L)	mm (in)	565 (22.2)		570 (22.4)
Boat transom height				
(S)	mm (in)	381 (15.0)		—
(L)	mm (in)	508 (20.0)		
Weight				
(with aluminum propeller)				
(S)	kg (lb)	51.7 (114)	53.7 (118)	—
(L)	kg (lb)	53.7 (118)	55.7 (123)	60.7 (134)
Performance				
Maximum output	kW (HP)	11.0 (15) at 5,500 r/min		
Full throttle operating range	r/min	5,000–6,000		
Maximum fuel consumption	L (US gal, Imp gal)/hr	5.4 (1.4, 1.2) at 5,500 r/min		
Engine idle speed	r/min	1,050 ± 50		
Power unit				
Type		4-stroke L		
Cylinder quantity		2		
Total displacement	cm ³ (cu. in)	362 (22.1)		
Bore × stroke	mm (in)	63.0 × 58.1 (2.48 × 2.29)		
Compression ratio		9.3		
Control system		Tiller handle		
Starting system		Manual	Electric	
Fuel system		Carburetor		
Enrichment system		Prime Start		
Ignition control system		CDI (micro computer)		
Advanced type		Micro computer		
Ignition timing		T.D.C. ± 1.5		
at 1,050 r/min	Degree	12, 10.0		
Maximum generator output	V, A	DPR6EB-9 (NGK)		
Spark plug		Water		
Cooling system		Propeller boss		
Exhaust system		Wet sump		
Lubrication system				

General specification

Item	Unit	Model		
		F15MH	F15EH	F15PH
Fuel and oil				
Fuel type		Regular unleaded gasoline		
Engine oil type		4-stroke motor oil		
Engine oil grade ^(*1)	API SAE	SE, SF, SG, SH, SJ, or SL 5W-30, 10W-30, or 10W-40		
Engine oil quantity (without oil filter replacement)	L (US qt, Imp qt)	1.6 (1.69, 1.41)		
(with oil filter replacement)	L (US qt, Imp qt)	1.8 (1.90, 1.58)		
Gear oil type		Hypoid gear oil		
Gear oil grade ^(*2)	API SAE	GL-4 90		
Gear oil quantity	cm ³ (US oz, Imp oz)	300 (10.14, 10.58)		
Bracket unit				
Trim angle (at 12° boat transom)	Degree	0.0, 4.0, 8.0, 12.0		
Tilt-up angle	Degree	71		67
Steering angle	Degree	45 + 45		40 + 40
Power tilt system				
Fluid type		—		ATF Dexron II
Drive unit				
Gear shift positions		F-N-R		
Gear ratio		2.08 (27/13)		
Reduction gear type		Spiral bevel gear		
Clutch type		Dog clutch		
Propeller shaft type		Spline		
Propeller direction (rear view)		Clockwise		
Propeller mark		J, J1		
Electrical				
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	

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

(*2) Meeting both API and SAE requirements

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SPEC		Specification
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Item	Unit	Model		
		F20MH	F20EH	F20PH
Dimension				
Overall length	mm (in)	1,048 (41.3)		
Overall width	mm (in)	420 (16.5)		
Overall height				
(S)	mm (in)	1,078 (42.4)		—
(L)	mm (in)	1,205 (47.4)		
Transom height				
(S)	mm (in)	438 (17.2)		—
(L)	mm (in)	565 (22.2)		570 (22.4)
Boat transom height				
(S)	mm (in)	381 (15.0)		—
(L)	mm (in)	508 (20.0)		
Weight				
(with aluminum propeller)				
(S)	kg (lb)	51.7 (114)	53.7 (118)	—
(L)	kg (lb)	53.7 (118)	55.7 (123)	60.7 (134)
Performance				
Maximum output	kW (HP)	14.7 (20) at 5,500 r/min		
Full throttle operating range	r/min	5,000–6,000		
Maximum fuel consumption	L (US gal, Imp gal)/hr	6.8 (1.8, 1.5) at 5,500 r/min		
Engine idle speed	r/min	1,050 ± 50		
Power unit				
Type		4-stroke L		
Cylinder quantity		2		
Total displacement	cm ³ (cu. in)	362 (22.1)		
Bore × stroke	mm (in)	63.0 × 58.1 (2.48 × 2.29)		
Compression ratio		9.3		
Control system		Tiller handle		
Starting system		Manual	Electric	
Fuel system		Carburetor		
Enrichment system		Prime Start		
Ignition control system		CDI (micro computer)		
Advanced type		Micro computer		
Ignition timing				
at 1,050 r/min	Degree	T.D.C. ± 1.5		
Maximum generator output	V, A	12, 10.0		
Spark plug		DPR6EB-9 (NGK)		
Cooling system		Water		
Exhaust system		Propeller boss		
Lubrication system		Wet sump		

General specification

Item	Unit	Model		
		F20MH	F20EH	F20PH
Fuel and oil				
Fuel type		Regular unleaded gasoline		
Engine oil type		4-stroke motor oil		
Engine oil grade ^(*1)	API SAE	SE, SF, SG, SH, SJ, or SL 5W-30, 10W-30, or 10W-40		
Engine oil quantity (without oil filter replacement)	L (US qt, Imp qt)	1.6 (1.69, 1.41)		
(with oil filter replacement)	L (US qt, Imp qt)	1.8 (1.90, 1.58)		
Gear oil type		Hypoid gear oil		
Gear oil grade ^(*2)	API SAE	GL-4 90		
Gear oil quantity	cm ³ (US oz, Imp oz)	300 (10.14, 10.58)		
Bracket unit				
Trim angle (at 12° boat transom)	Degree	0.0, 4.0, 8.0, 12.0		
Tilt-up angle	Degree	71		67
Steering angle	Degree	45 + 45		40 + 40
Power tilt system				
Fluid type		—		ATF Dexron II
Drive unit				
Gear shift positions		F-N-R		
Gear ratio		2.08 (27/13)		
Reduction gear type		Spiral bevel gear		
Clutch type		Dog clutch		
Propeller shaft type		Spline		
Propeller direction (rear view)		Clockwise		
Propeller mark		J, J1		
Electrical				
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		

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

(*2) Meeting both API and SAE requirements.

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Item	Unit	Model	
		F20ER	F20PR
Dimension			
Overall length	mm (in)	665 (26.2)	
Overall width	mm (in)	390 (15.4)	
Overall height			
(S)	mm (in)	1,078 (42.4)	—
(L)	mm (in)	1,205 (47.4)	
Transom height			
(S)	mm (in)	438 (17.2)	—
(L)	mm (in)	565 (22.2)	570 (22.4)
Boat transom height			
(S)	mm (in)	381 (15.0)	—
(L)	mm (in)	508 (20.0)	
Weight			
(with aluminum propeller)			
(S)	kg (lb)	52.7 (116)	—
(L)	kg (lb)	54.7 (121)	60.7 (134)
Performance			
Maximum output	kW (HP)	14.7 (20) at 5,500 r/min	
Full throttle operating range	r/min	5,000–6,000	
Maximum fuel consumption	L (US gal, Imp gal)/hr	6.8 (1.8, 1.5) at 5,500 r/min	
Engine idle speed	r/min	1,050 ± 50	
Power unit			
Type		4-stroke L	
Cylinder quantity		2	
Total displacement	cm ³ (cu. in)	362 (22.1)	
Bore × stroke	mm (in)	63.0 × 58.1 (2.48 × 2.29)	
Compression ratio		9.3	
Control system		Remote control	
Starting system		Electric	
Fuel system		Carburetor	
Enrichment system		Prime Start	
Ignition control system		CDI (micro computer)	
Advanced type		Micro computer	
Ignition timing			
at 1,050 r/min	Degree	T.D.C. ± 1.5	
Maximum generator output	V, A	12, 10.0	
Spark plug		DPR6EB-9 (NGK)	
Cooling system		Water	
Exhaust system		Propeller boss	
Lubrication system		Wet sump	

General specification

Item	Unit	Model	
		F20ER	F20PR
Fuel and oil			
Fuel type		Regular unleaded gasoline	
Engine oil type		4-stroke motor oil	
Engine oil grade ^(*1)	API SAE	SE, SF, SG, SH, SJ, or SL 5W-30, 10W-30, or 10W-40	
Engine oil quantity (without oil filter replacement)	L (US qt, Imp qt)	1.6 (1.69, 1.41)	
(with oil filter replacement)	L (US qt, Imp qt)	1.8 (1.90, 1.58)	
Gear oil type		Hypoid gear oil	
Gear oil grade ^(*2)	API SAE	GL-4 90	
Gear oil quantity	cm ³ (US oz, Imp oz)	300 (10.14, 10.58)	
Bracket unit			
Trim angle (at 12° boat transom)	Degree	0.0, 4.0, 8.0, 12.0	
Tilt-up angle (S)	Degree	71	—
(L)	Degree	71	67
Steering angle	Degree	45 + 45	40 + 40
Power tilt system			
Fluid type		—	ATF Dexron II
Drive unit			
Gear shift positions		F-N-R	
Gear ratio		2.08 (27/13)	
Reduction gear type		Spiral bevel gear	
Clutch type		Dog clutch	
Propeller shaft type		Spline	
Propeller direction (rear view)		Clockwise	
Propeller mark		J, J1	
Electrical			
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	

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

(*2) Meeting both API and SAE requirements.

