General specifications

Item	Unit	Model
		F90TR
Dimension		
Overall length	mm (in)	817 (32.2)
Overall width	mm (in)	479 (18.9)
Overall height		
(L)	mm (in)	1,582 (62.3)
(X)	mm (in)	1,710 (67.3)
Boat transom height		
(L)	mm (in)	508 (20.0)
(X)	mm (in)	635 (25.0)
Weight		
(without propeller)		
(L)	kg (lb)	168 (370)
(X)	kg (lb)	172 (379)
Performance		
Maximum output	kW (hp)	66.2 (90) at 5,500 r/min
Full throttle operating range	r/min	5,000–6,000
Maximum fuel consumption	L (US gal, Imp gal)/hr	33.0 (8.72, 7.26) at 6,000 r/min
Engine idle speed	r/min	700 ± 50
Power unit		
Type		In-line, 4-stroke, DOHC, 16 valves
Cylinder quantity		4
Total displacement	cm^3 (cu. in)	1,596 (97.39)
Bore × stroke	mm (in)	79.0 × 81.4 (3.11 × 3.20)
Compression ratio		9.6
Control system		Remote control
Starting system		Electric
Fuel system		Fuel injection
Ignition control system		TCI
Advance type		Micro computer
Maximum generator output	V, A	12, 25
Spark plug		LFR5A-11 (NGK)
Cooling system		Water
Exhaust system		Propeller boss
Lubrication system		Wet sump

Item	Unit	Model
		F90TR
Fuel and oil		
Fuel type		Regular unleaded gasoline
Fuel minimum rating	RON(*1)	91
	PON	86
Engine oil		4-stroke motor oil
Engine oil grade	API	SE, SF, SG, SH, or SJ
	SAE	10W-30 or 10W-40
Engine oil quantity		
(without oil filter replacement)	L (US qt, Imp qt)	4.3 (4.55, 3.78)
(with oil filter replacement)	L (US qt, Imp qt)	4.5 (4.76, 3.96)
Gear oil type		GEAR CASE LUBE
Gear oil grade	SAE	90
Gear oil quantity	cm^3 (US oz, Imp oz)	670 (22.7, 23.6)
Bracket unit		
Trim angle (at 12° boat transom)	Degree	–4 to 16
Tilt-up angle	Degree	70
Steering angle	Degree	35 + 35
Drive unit		
Gear shift positions		F-N-R
Gear ratio		2.31 (30/13)
Reduction gear type		Spiral bevel gear
Clutch type		Dog clutch
Propeller shaft type		Spline
Propeller direction (rear view)		Clockwise
Propeller mark		K
Electrical		
Battery minimum capacity(*2)		
CCA/SAE	A	380
MCA/ABYC	A	502
RC/SAE	Minute	124

(*1) RON: Research Octane Number
PON: Pump Octane Number =
(RON + Motor Octane Number)/2

(*2) CCA: Cold Cranking Ampere
MCA: Marine Cranking Ampere
ABYC: American Boat and Yacht Council
SAE: Society of Automotive Engineers
RC: Reserve Capacity