

YAMAHA MARINE

# HOT SHEET



EFFECTIVE NOVEMBER 1, 2009

## F6 / F4 Portables *fourstroke*

**You want power. You want performance. You want portability. You want Yamaha.**

***Introducing the all-new Yamaha F6 / F4 portable outboards.***

Weighing in as light as 60 pounds, these new Yamaha portables mean you can have all the benefits you want and need in a portable outboard. Truly compact, light weight, and easy-to-handle, these pint-sized protégés of our larger outboards are feature-packed and offer the outstanding reliability you've come to demand from Yamaha.

Available in both 15" and 20" models, they're among the most fuel-efficient in their class, and all models proudly feature a CARB 3-star rating for ultra-low emissions.

***The new Yamaha F6 and F4 portables. Proof positive that a little goes a long way.***



- **Powerful Performance** – OHV design with an advanced ignition system.
- **True Portability** – light weight with built in carrying handles.
- **Fuel Efficiency** – carbureted single-cylinder, with a standard built-in fuel tank and optional external fuel tank compatibility for extended range.
- **Ultra-low Emissions** – featuring a CARB 3-star rating.
- **Operator Convenience** – advanced tiller handle features, Shallow Water Drive, and aluminum propeller; standard.
- **Smooth and Quiet** – optimally-balanced Yamaha four stroke design.
- **Easy Maintenance and Storage** – featuring Yamaha's new Easy Storage Oil Retention System.
- **Lasting Value** – Yamaha reliability with advanced features help protect your investment for years of trouble-free enjoyment.
- **Peace of Mind** – three-year pleasure or government limited warranty.

AVAILABLE MODELS: F6SMHA • F6LMHA • F4SMHA • F4LMHA



# F6 / F4 Portables Four Stroke

## FEATURES



### Power/Performance

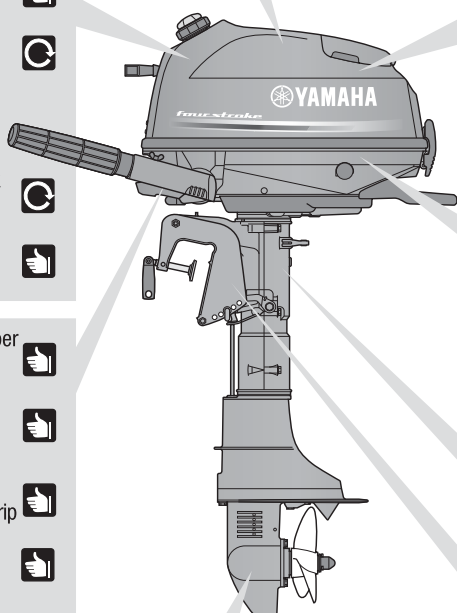
- 1.1L Built-In See-Through Fuel Tank
- Built-In Auxiliary Priming Pump
- Fuel Tank Switching Valve
- Water Resistant Fuel Tank Cap
- Built-in Fuel Filter
- External Fuel Tank Connector Cover
- Tilted Fuel Filler

- Tiller Handle Damper with Dynamic Balancer
- Easy Grip Starter Knob
- Ergonomically-Designed Throttle Grip
- Built-In Rear Carrying Handle
- Ergonomically Designed Front Handle
- Large Shift Lever
- Large Toggle Clamp



### Reliability/Durability

- CDI Ignition with Built-In Coil
- 12V-6Amp Alternator with Rectifier (Optional)



- Splined Prop and Prop Shaft
- New Propeller Sizes (Optional)



### Convenience/Control

- Optimally Balanced Crankshaft
- Bottom Cowling Damper
- Easy Start Decompression Device
- Blow-By Gas Reburning System
- Precise Carburetor Setting

- Pressurized Oil System
- Lubrication Check Window
- Easy Storage Oil Retention System

- Labyrinth Exhaust

- 90° Each Direction Steering
- 3-Step Shallow Water Drive
- Long-Span Mounting System
- 5 Step Trim Adjustment

### Warning & Protection System

- Over-Rev Limiter

### Ultimate Corrosion Protection System

- Special Aluminum Alloy: YDC30
- Self-Sacrificing Anodes
- Start-In-Gear Protection

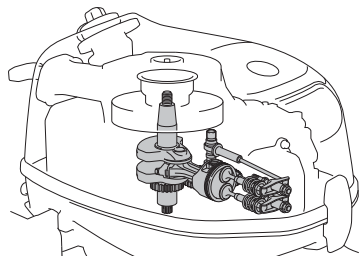
## MODEL CODE CHART (EXAMPLE)

F	6	S	M	H	A
Fuel Induction	Horsepower	Shaft Length	Starting Method PTT	Control Method	Generation
F = Four Stroke		<b>S = 15"</b> L = 20" X = 25" U = 30" J = Jet	Blank = PTT & E start P = PT & E start E = Electric Start <b>M = Manual Start</b>	Blank = Remote Control <b>H = Tiller Handle</b> C = Command Link Control	<b>A = 1st change on motor</b> B = 2nd change on motor C = 3rd change on motor Etc.

# F6 / F4 Portables Four Stroke

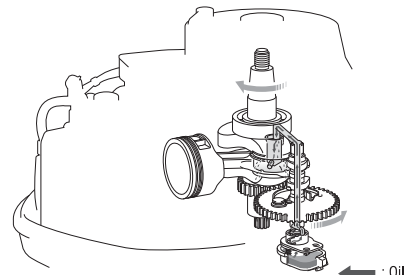
## PERFORMANCE, RELIABILITY, CONVENIENCE

### LIGHTWEIGHT, PORTABLE POWER



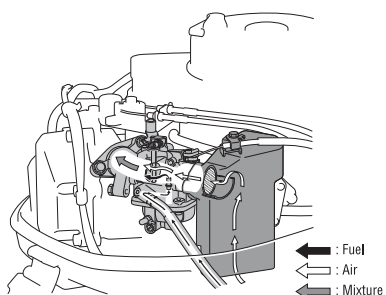
Weighing in as light as 60 pounds, these 139cc OHV single cylinder four stroke powerhouses offer a CDI ignition system, optimally-balanced crankshaft, long span mounting system, labyrinth exhaust and a host of other features for smooth, quiet power. They even have built-in carrying handles for true portability and convenience.

### RELIABLE LUBRICATION AND STORAGE



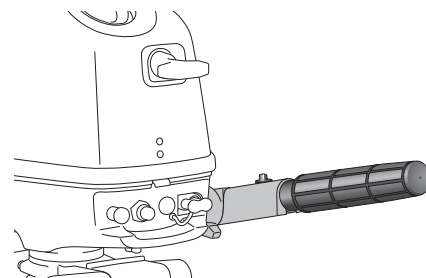
Yamaha's new F4 and F6 both feature a pressurized oiling system. They can be stored on either side or on the front grip without fear of oil leakage, due to Yamaha's exclusive Easy Storage Oil Retention System.

### MAXIMUM EFFICIENCY



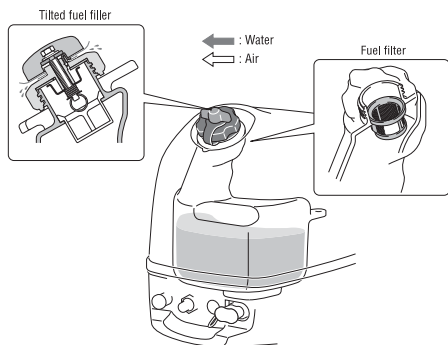
The carburetor and its setting is factory-selected for maximum fuel efficiency, helping these outboards achieve a 3-star C.A.R.B. emissions rating. Additionally, automatic decompression, built-in auxiliary priming, and start-in-gear prevention help make for easy, safer starts.

### COMFORTABLE, CONVENIENT CONTROL



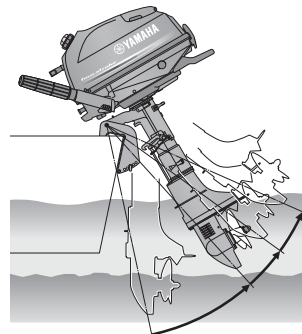
With a dynamically-balanced and dampened large twist-grip throttle, 180-degree steering, and large F-N-R shift handle; comfortable, convenient control is key.

### EASY OPERATION



A 1.1L see-through fuel tank is built in, with switchable access to an optional external tank for extended range. A tilted, water-resistant fuel filler cap and built-in fuel strainer add to both the convenient operation and reliability of these outboards.

### VERSATILE PERFORMANCE



A 5-step trim adjustment couples with a 3-step Shallow Water Drive System to help make these outboards perform in various conditions. A splined propeller shaft and an expanded selection of available propeller sizes give you performance that's versatile and easy to handle and operate.

# F6 / F4 Portables Four Stroke

## SPECIFICATIONS

### ENGINE

Type	One-Cylinder
Displacement	139cc (8.5 ci)
Bore x Stroke	62 x 46mm (2.44 x 1.81 in)
Full Throttle RPM Range	4000 ~ 5000 (F4) 4500 ~ 5500 (F6)
Horsepower Rating at Propshaft	4hp at 4500 rpm (F4) 6hp at 5000 rpm (F6)
Compression Ratio	8.9:1
Fuel Induction/Scavenging	OHV
Alternator Output	6 Amp (Optional: Requires Charging Kit)
Starting Method See Model Code	M = Manual
Ignition	CDI
Lubrication	Wet Sump
Degree of Trim	5 positions
Degree of Tilt	69°
Exhaust	Above Propeller
Cooling	Water/Thermostatic Control

### DRIVE

Gear Shift	Forward, Neutral, Reverse
Gear Ratio	13:27 (2.08)

### SHAFT LENGTH

See Model Code	S = 15" L = 20"
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### FUEL AND LUBRICATION

Recommended Fuel	Regular Unleaded (Minimum Pump Octane 87)
Fuel Tank Capacity (Integral)	1.1L (.29 gal)
Ethanol Blend Limit	10% Maximum
Recommended Oil	Yamalube® 4M (See owner's manual)
Engine Oil Capacity	.6L (.63 qt)

### WEIGHT

F6SMHA	27kg (60 lbs)
F6LMHA	28kg (62 lbs)
F4SMHA	27kg (60 lbs)
F4LMHA	28kg (62 lbs)

### LIMITED WARRANTY

Pleasure	Three Years
Government	Three Years
Commercial	One Year

## FEATURES

### POWER/PERFORMANCE

- Four Stroke Engine Design
- OHV
- 2-valves Per Cylinder
- Precise Carburetor Setting
- Built-in Auxiliary Priming Pump
- Streamlined Intake Manifold
- Long Span Mount System
- Oil Separator
- Streamlined Gearcase
- Dynamically Balanced Crankshaft
- Labyrinth Exhaust
- California C.A.R.B. Ultra Low Emissions 3 Star Rating
- Meets all current Federal EPA Emission Standards

### RELIABILITY/DURABILITY

- CDI Ignition System
- Pressurized Lubrication
- Thermostatic Temperature Control
- Sacrificial Anodes
- ACP 221 Paint Process
- SST Drive, Prop, Shift Shafts
- Splined Propeller/Shaft
- Built-in Fuel Filter

### CONVENIENCE/CONTROL

- 180-Degree Steering w/F-N-R Shifting
- Shallow Water Drive
- Easy Storage Oil Retention System
- Standard Tiller Handle
- Easy Start Decompression Device
- Lubrication Check Window
- Multiple Gripping Points
- Dual Transom Clamps
- Dynamically Balanced Tiller Handle
- Lower Cowling Damper
- Built-In See-Through Fuel Tank
- Tilted Fuel Filler Opening
- Selectable External Fuel Tank (Optional)
- Forward/Neutral/Reverse Shifting

Primary ID Prefix: (F6) 6BX (F4) 6BV

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▲ Consult appropriate Yamaha rigging information and Yamaha Rigging Sheet (YMBS) for complete rigging compatibility and requirements information for particular configurations. All rigging items sold separately.

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