



# YAMAHA MARINE HOT SHEET

## F25 • T25

**Performance. Fuel Efficiency. Reliability. Convenience. Long-term value.**

These are the benefits Yamaha constantly strives to provide in every outboard we make. Continuing this innovative tradition Yamaha is proud to announce the newest additions to our mid-range outboard family, the four stroke F25 and four stroke, high thrust T25.

### ➤ PERFORMANCE

Our marine-specific, two-cylinder, single overhead camshaft design features a new cylinder block and head for enhanced durability and economical power in a compact package. A new streamlined cowling coupled with a tuned long intake track manifold and our PrimeStart™ system mean outstanding fuel-efficiency with easy starting, fast acceleration, and excellent top-end speed. Available in both standard and high-thrust models.

### ➤ RELIABILITY

Yamaha's proven design features advanced technology like new electrical components and a new micro-computer controlled ignition system. In addition, new pistons, connecting rods, and valves mean greater strength for added reliability. Add a spin-on oil filter, integral engine monitoring and warning system and Yamaha's renowned Ultimate Corrosion Protection System, and you have the features to help provide the peace of mind that comes standard with every Yamaha outboard.

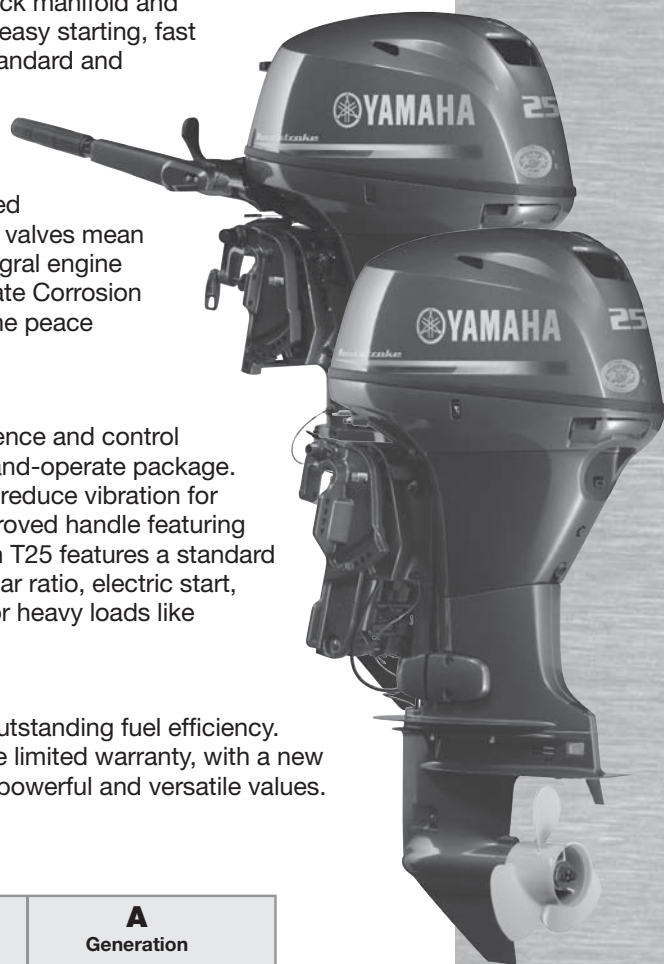
### ➤ CONVENIENCE AND CONTROL

Yamaha's F25 and high-thrust T25 offer the ultimate in convenience and control in a wide range of applications; all in a compact, easy-to-own-and-operate package. All models feature our Long Span Mounting System, helping to reduce vibration for smoother operation. Standard tiller handle models have an improved handle featuring greater strength and improved comfort. The high-thrust version T25 features a standard Dual Thrust™ propeller, a larger lower unit with a high 2.42:1 gear ratio, electric start, power trim and tilt, and remote control; making it ideal power for heavy loads like small pontoons, sailboats, and work boats.

### ➤ VALUE

Yamaha reliability. Exceptionally smooth and quiet operation. Outstanding fuel efficiency. Maximum performance and convenience. A 3-year pleasure use limited warranty, with a new CARB 3-star rating. Yamaha's new F25 and T25 are incredibly powerful and versatile values.

**AVAILABLE MODELS:**  
**F25SMHA\*\***  
**F25SEHA\*\***  
**F25SEA\*\***  
**F25LMHA\*\***  
**F25LEHA\*\***  
**F25LEA\*\***  
**F25LA\*\***  
**T25LA\*\***



### \*\*New Model Codes - F25 • T25

Example

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

Due to Yamaha's ongoing commitment to product improvement, we reserve the right to change without notice, equipment, materials, or specifications.



Effective  
February 12, 2009

# F25 • T25 HOT SHEET

F25 • T25 FEATURES

## F25 • T25 Features



### Performance



**NEW**  
Compact/One-Piece  
Solid Cowling



**NEW**  
Water Draining  
Air Intake Duct



**NEW**  
13 Amp Alternator\*\*



**NEW**  
Strong Tiller Handle  
with Front Shift (F25)



Stop Switch on  
Tiller Handle (F25)



Single Operation  
Steering Friction



Multi-Function  
Tiller Handle  
(F25LA: Optional)



Power Trim and Tilt  
(F25LA, T25LA, and  
F25LA Multi-Function  
Tiller)



**NEW**  
Re-shaped Lower  
Engine Mount  
(F25S models)



Long-Span  
Mounting System



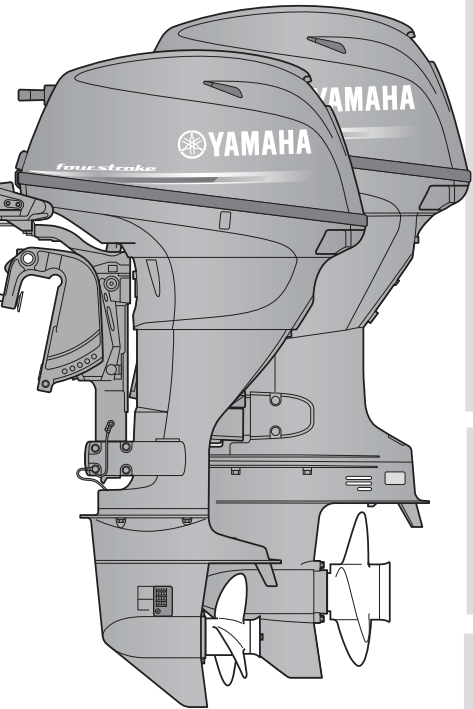
Anti-Splash Plate  
(T25)



### Convenience



### Reliability/Durability



F25

T25



**NEW**  
Counter Balancer



**NEW**  
Micro-Computer  
Controlled Ignition



PrimeStart™ and  
Acceleration Pump



**NEW**  
Advanced Cylinder  
Block and Head



Auto Decompression  
(Manual Start Models)



**NEW**  
Streamlined  
Tuned Intake Manifold



Blow-By Gas  
Re-Burning System



**NEW**  
Strong pistons,  
rods, and valves (F60)



Labyrinth Exhaust



Water-Sealed  
Outer Wall



**NEW**  
Waist Drive Shaft  
(T25)



2.42 High Gear Ratio  
(T25)



Dual Thrust Propeller  
(T25)



### Warning & Protection



Low Oil  
Pressure  
Warning



Over-Heat  
Warning



Over-Rev  
Limiter



Start-In-Gear  
Prevention



Shift-Into-Gear  
Prevention at  
Open-Throttle

### Anti-Corrosion System



Freshwater  
Flushing Device



Special Aluminum  
Alloy: YDC30



Self-Sacrificing  
Anodes



Alumite  
Treatment  
Exhaust

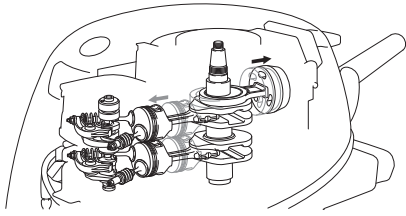
\*\*Manual Start models require optional rectifier/regulator. See dealer for details.



# F25 • T25 HOT SHEET

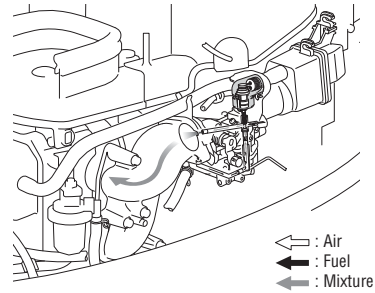
POWERFUL PERFORMANCE

## Improved Durability



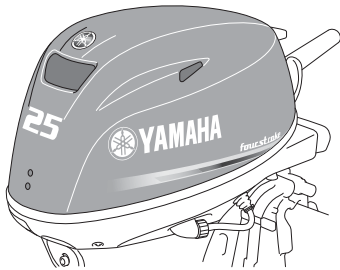
A proven 498cc two-cylinder, SOHC design features a new cylinder block and head. The pistons, connecting rods, and valves are the same as used in its F60 big brother, for added strength, responsive power and excellent fuel efficiency in a compact package.

## Turn-Key Starting



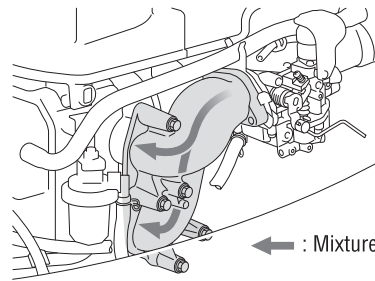
Yamaha's PrimeStart™ system is standard on F25 and T25 models, for dependable turn-key starting in either hot and cold conditions.

## Greater Reliability



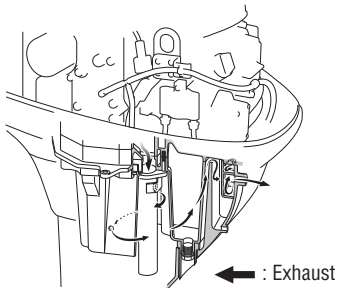
New electronics and a new micro-computer controlled ignition system mean dependable starting and consistent power, while an advanced air intake system drains away any water that enters the cowling during normal engine operation for long-term reliability.

## Responsive, Fuel-Efficient Power



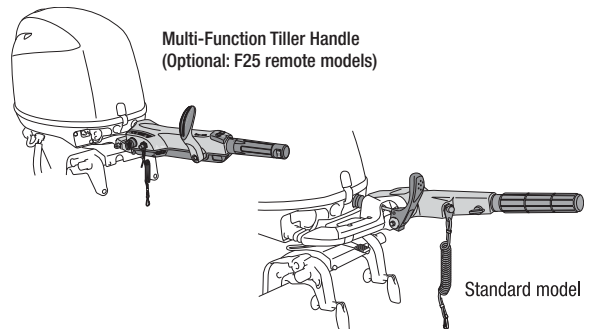
A streamlined intake manifold uses long tracks and smoother airflow, for reliable and responsive power with outstanding fuel efficiency.

## Smooth and Quiet



Engine exhaust is routed through a maze before exiting above the waterline through the idle exhaust relief outlet for unbelievably smooth and quiet operation.

## Choice of Controls



Tiller handle models feature improvements in strength and operator comfort, with stronger internal components and an improved grip. Our Multi-Function Tiller Handle is also available on remote control F25 models.



# F25 • T25 HOT SHEET

## F25 • T25 SPECIFICATIONS

### F25 • T25 Specifications

Model	F25 • T25
Model Types	F25SMHA, F25SEHA, F25SEA, F25LMHA, F25LEHA, F25LEA, F25LA and T25LA
Shaft Length	S: 15", L: 20"
Engine Type	Four-Stroke, 4-Valve SOHC, In-Line 2-Cylinder
Displacement	498cc (30.4 c.i.)
Bore x Stroke	65.0 mm x 75.0 mm (2.56 x 2.76 in)
Horsepower Rating at Propshaft	25 hp @ 5500 rpm (18.5kw @ 5500 rpm)
Full Throttle RPM Range	5000 ~ 6000 rpm
Compression Ratio	9.4:1
Idling Engine Speed	975 ± 50 rpm
Fuel Induction System	1-Carb with Acceleration Pump
Alternator Output	12V-13.5 Amp with Rectifier Regulator
Starting Method	Manual Starter or Electric Starter
Starting System	PrimeStart™
Ignition System	CDI Micro-computer
Spark Plug	NGK® DPR6EA-9
Lubrication	Wet Sump
Engine Oil Capacity	1.7 Quarts (1.6L)
Trim & Tilt	Manual w/2-position Shallow Water Drive* or Power Trim and Tilt
Exhaust System	Through Propeller Hub
Cooling	Raw Water, Thermostatically-controlled
Gear Ratio	F25: 2.08:1 (27/13) • T25: 2.42:1 (29/12)
Recommended Oil	Yamalube® 4-M FC-W® 10W-30 or 20W-40
Recommended Fuel	Regular Unleaded Gasoline (Minimum Pump Octane 87)
Steering System	Standard Tiller Handle or Remote Control, or Optional Multi-Function Tiller Handle
Steering Angle	F25: 42° Each Direction • T25: 40° Each Direction
Weight (dry)	F25 models: 170 ~ 181 lbs T25 model: 203 lbs
C.A.R.B. Emissions Rating	3-Star
Limited Warranty	3-Year Pleasure 3-Year Government 1-Year Commercial

\*Shallow Water Drive positions exclude "full up" and "full down" settings.

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Due to Yamaha's ongoing commitment to product improvement, we reserve the right to change without notice, equipment, materials, or specifications.

Remember to always observe all applicable laws. Never drink and drive. Dress properly with a USCG-approved personal floatation device and protective gear.

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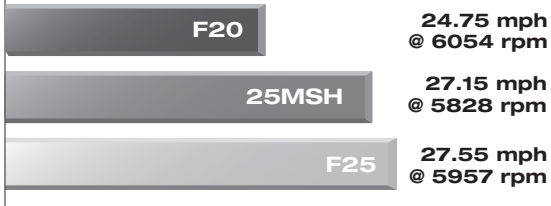


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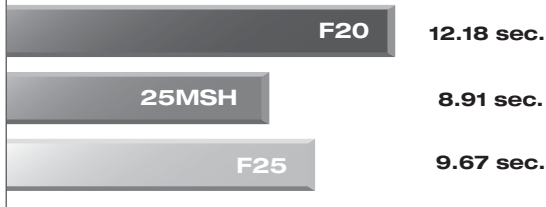
PERFORMANCE COMPARISONS

## G3 Eagle 145 Panfisher

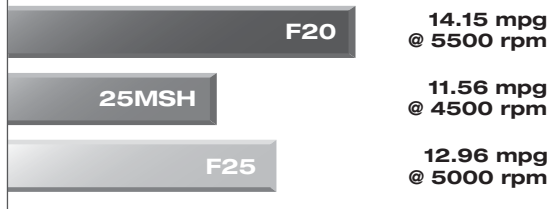
### Top Speed



### Acceleration 200'



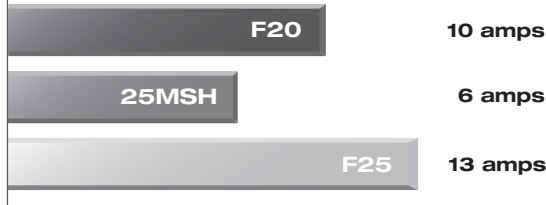
### Cruise Economy



### WOT Fuel Economy



### Charging Output

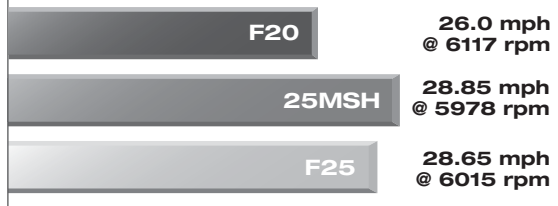


### Test Boat Specifications

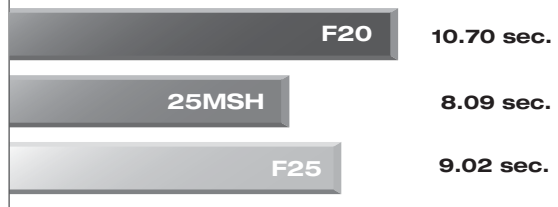
Boat:	G3 Eagle 145 PF
Length:	13'10"
Beam:	70"
Fuel:	6 gallons
Boat Hull Test Weight:	450 lbs.

## G3 Guide V14

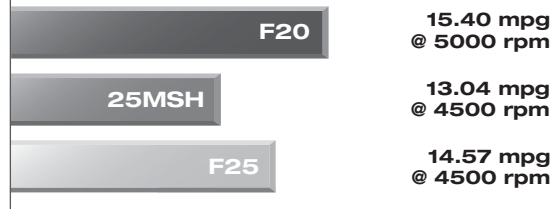
### Top Speed



### Acceleration 200'



### Cruise Economy



### WOT Fuel Economy



### Charging Output



### Test Boat Specifications

Boat:	G3 Guide V14
Length:	14'6"
Beam:	61"
Fuel:	6 gallons
Boat Hull Test Weight:	200 lbs.



# F25 • T25 HOT SHEET

## PERFORMANCE COMPARISONS

### G3 Cruise 18 Pontoon

#### Top Speed



#### Cruise Economy



#### Acceleration 200'



#### WOT Fuel Economy



#### Charging Output



#### Yamaha Dual Thrust™ Prop



#### Test Boat Specifications

Boat:	G3 Cruise 18 Pontoon
Length:	18'0"
Beam:	96"
Fuel:	30 gallons
Boat Hull Test Weight:	1,620 lbs.

**Notice:** The performance comparisons listed herein are prepared by Yamaha application engineers. Information and data contained herein is approximate and subject to many different factors and variables. This data is provided as a guideline only, and, while useful for comparison purposes between different models, it should not be relied upon as representative of actual performance. Due to various factors, including your boat's actual weight and wind and water conditions, your boat's performance may be different that the information contained herein. Consumers, please confirm the specifications and performance data of your specific boat/engine combination with your dealer prior to purchase.

Yamaha reserves the right to change the specifications and performance data of these engines without notice.

