

OUTBOARD MOTORS 2018

KLIMASKLEP, ul. Orzechowa 3, 72-010 Przęsocin (koło Szczecina)
tel.: (91) 432-43-42, tel.: (91) 432-43-49
e-mail: kontakt@klimasklep.pl, www: www.KlimaSklep.pl



TOHATSU

Feel the Wind™





Feel the Wind.

Tohatsu delivers a smarter,
more exciting boating experience
for boaters all around the world.



CONTENTS

- 01 Introduction
- 03 Our Mission
- 05 Our Technology
- 06 Our Team
- 07 Tohatsu BFT Series
- 11 Tohatsu MFS Series
- 21 Tohatsu MD Series
- 23 Specifications

The boat is a kindred spirit to the sea, the river, and the lake. Boats immerse you in nature and navigate you to unforgettable experiences. And the outboard motor helps make all of this possible.

Outboard motors are about a whole lot more than just the specs. A truly great motor delivers it all—performance, safety, and the ultimate ease of use. That's why we never stop asking ourselves the essential questions about what makes a great engine. We've been doing that since 1922, when aviation engineer Masuzo Takata founded Tohatsu.

Time and again, Tohatsu innovations have made waves that change the world. Take, for example, the Tohatsu motorcycle, which dominated the industry with its compact engine. Or Tohatsu outboard motors, built with our one-of-a-kind direct injection technology, which has revolutionized environmental performance.

We are uncompromising in our pursuit of outboard motors that are both durable and as light as possible. We pursue the ultimate in quality to deliver an inspirational engine experience. This is our unwavering promise: to deliver a more refined and stimulating boating experience.

See it. Hear it. Feel the Wind.





Technology Designed to
deliver the ultimate
boating experience.

SIMPLIQ™ TECHNOLOGY

We aim to deliver the ultimate boating experience by providing outboard motors that are simple, easy to use and of outstanding quality. Simpliq™ Technology embodies the Tohatsu technological philosophy. Named for its integration of simplicity, interface and quality, Simpliq™ Technology is the result of continuous technological innovation fueled by the pursuit of nothing less than the very best.

A team that spares
nothing for our clients
needs.

BACKS YOU UP™

Our job begins by understanding our customers' needs. We spare nothing to bring ingenuity and innovation to delivering safer, more comfortable boating for our customers. We provide our customers with personal support for their Tohatsu outboard motors to ensure the best boating experience.



Tohatsu BFT Series



Exciting Speed and Power

BFT 250/225/200

BFT250, 225, and 200 bring a large displacement 3.5 liter V6.

This narrow V6 design offers great torque and top end performance, as well as magnificent fuel economy.

They provide power where and when you need it, giving you a broader, flatter torque and smooth power delivery throughout the engine's operating range.



Sleek, Smooth and Powerful

BFT 150/115

The Tohatsu in-line 4 cylinder BFT150 and BFT115 four stroke outboard offers top class fuel efficiency while maintaining power and smooth cruise. The Variable Valve Timing and Lift Control system provides power where and when you need it, giving you excellent low-end torque and top end speed.

The result is a superior combination of power, torque and fuel efficiency.



Versatile and Loyal

BFT 90/75/60

NEW

BFT 90, 75, 60 are among the lightest in this class. They deliver exceptional torque and power by advanced technologies. The Lean Burn Control, in addition, will get you better fuel economy while at cruising speed.



BFT SERIES TECHNOLOGY

ECOMo® – Superior fuel efficiency



ECOMo® improves fuel efficiency by allowing combustion to operate on a leaner air/fuel mixture. At cruising speed, this engine runs on up to 30% less fuel* than others in its class.

*Based on EPA Specific Fuel Consumption Mode.

*ECOMo® is a registered trademark of Honda Motor Co., Ltd.

BLAST® – System improves acceleration at low speeds



Boosted Low Speed Torque, or BLAST, improves acceleration at low speeds. A quick movement of the throttle control activates the BLAST® system, advancing the ignition curve quickly.

This will greatly improve "Hole Shot".

*BLAST® is a registered trademark of Honda Motor Co., Ltd.

Variable Valve Timing and Lift Control



Variable Valve Timing & Lift Electronic Control system provides power where and when you need it. This gives you a broader, flatter torque curve and smooth power delivery throughout the engine's operating range. The result is a superior combination of power, torque and fuel efficiency.

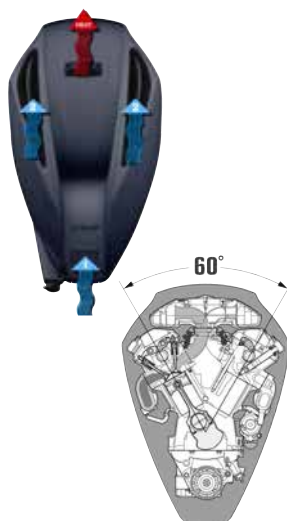
TOCS (Tohatsu Onboard Communication System)



TOCS supports communication between other standard electric devices onboard by simple plug and play.

Separate Dual Air Circuits

The BFT250 has industry-first separate dual air circuits. First intake is used to cool the engine where air is drawn into the front of engine and circulated around critical engine components. A top mounted cooling fan draws cooling air over the alternator. The second intake circuit directs cooling air from the upper intake vents, separates out moisture, and then inducts it into the throttle body. This system provides for cooler, denser air for better combustion as compared to conventional under-cowl induction systems.



Large Displacement V6

A powerful compact 24 valve Single Overhead Cam [SOHC] design. The narrow V6 design offers top performance as well as great fuel economy.

PGM-FI® – Multi-port Programmed Fuel Injection Powerful Performance

PGM-FI® delivers the precise amount of fuel/air to each cylinder. It offers top performance as well as great fuel economy.

*PGM-FI® is a registered trademark by Honda Motor Co., Ltd.



Multi-Function Tiller Handle (Option)

Ergonomically designed shift lever offers smooth shifting for convenience and comfort. Throttle friction allows fine-tuning of the tiller for safety. Up front shift lever, PTT switch, and engine alert lamps provide added convenience (BFT60-90).



BFT SERIES LINEUP



NEW

NEW

BFT 250

BFT 225

BFT 200

BFT 150

BFT 115

BFT 90

BFT 75

BFT 60

ECOMO®	●	●	●	●	●	●	●	●
BLAST®	●	●	●	●	●	●	●	●
VVT&LC	●	●		●		●		
TOCS	●	●	●	●	●	●	●	●
Separate Dual Air Circuits	●							
Large Displacement V6	●	●	●					
PGM-FI®	●	●	●	●	●	●	●	●
Multi Function Tiller Handle						●	●	●

Tohatsu MFS Series



The lightest weight in its class

MFS 50/40

Tohatsu's MFS50/40, at just 209 pounds, is the lightest weight motor in its class. The 50/40 four stroke is also equipped with an improved gear case with lower gear ratio, giving you the increased low end torque your boat needs.

*The 50/40 four stroke now comes in Beluga White



Compact power

MFS 30/25

With Tohatsu's reputation for powerful speed and unmatched reliability, the Tohatsu MFS30/25 will keep boaters loyal. The upper and lower motor covers feature a more modern look and easier access to regular maintenance items.



Unmatched in its class

MFS 9.8/8

Unmatched in its class, the Tohatsu MFS9.8/8 has set the standard in portable outboard power! This lightweight motor weighs in at barely over the 81 pound mark and has undeniable characteristics of a true marine champion. Our MFS9.8/8 outboard is skinny on fuel and big on power while never compromising performance or reliability.



Portable yet powerful

MFS 6SP/6/5/4/3.5/2.5

Tohatsu's MFS6SP/6/5/4/3.5/2.5 models are not just portable but powerful and practical in many aspects. Designed specifically for sail boaters, the SP model comes available in L and UL shaft with a high thrust propeller and 5A charging system. Sailing has just got better with the Tohatsu MFS6SP sailboat motor!



NEW

Powerful and robust

MFS 20/15/9.9 ELECTRONIC FUEL INJECTION

Tohatsu's all-new MFS20/15/9.9 portable models are the world's lightest battery-less electronic fuel injection four-strokes in each of their horsepower classes.

Typically, cutting the weight down results in losing power, however, it isn't the case for Tohatsu with the exceptional torque and top end speed, paired with low noise, low vibration, and ease of use.

Go get one and let's feel the wind.



NEW

Innovation meets reliability

MFS 5 LPG

Thanks to Tohatsu's 5hp Liquefied Petroleum Gas (LPG) outboard, sailors are no longer forced to carry gasoline on board. The 5hp LPG comes equipped with a fuel line that will connect to any standard North American propane tank. Our innovative LPG outboard will run for a full 5 hours at WOT on a single 11lb propane tank, without sacrificing performance.

Exclusive to Tohatsu's LPG outboard is the Safety Fuel Shut Off Valve which keeps propane fuel from continuously running when engine is not in use. Plus, since the 5hp LPG does not require ethanol gas, this propane outboard requires almost zero maintenance on fuel related components. We offer a 20" and 25" shaft Sail Pro model which includes a 12V 60W 5A charging system and high thrust prop.

What sailor doesn't want a virtually maintenance free engine that Backs You Up™?

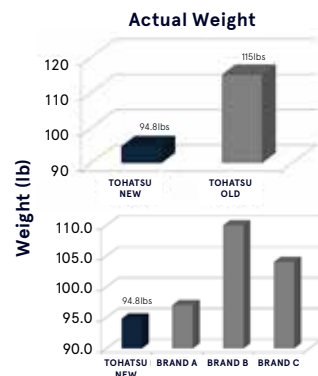


MFS20-9.9 EFI FEATURE + TECHNOLOGY



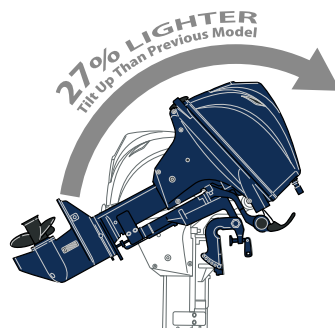
Lightest Weight in its class

These all-new portable models are the world's lightest battery-less electronic fuel injection four-strokes in each of their horsepower classes.



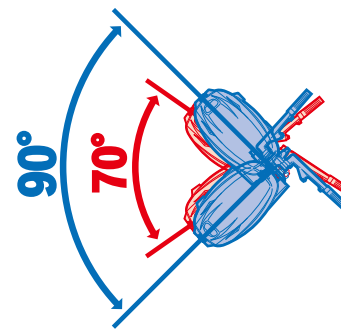
Tilting Weight Decreased

By moving heavy components (i.e. crankshaft, driveshaft) 30mm forward compared to the previous model, the tilting weight has decreased by 27% from the previous version.



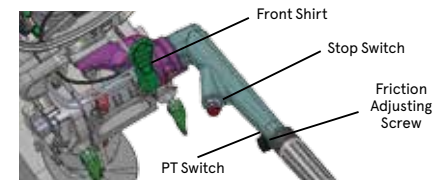
Increased Steering Radius

Steering radius has been improved from the previous model. The image below shows the increase in steering radius, the red is our previous model, blue is our new design.



Multi-Function Tiller Handle

Stop Switch, Front Shift, Friction Adjusting Screw and Power Tilt Switch (PTS: on power tilt models only) are integrated into the tiller handle for convenience.



LPG FEATURES + TECHNOLOGY



Safety Fuel Shut Off Valve

MFS5C LPG is equipped with a Shut-off Valve to automatically shut off the fuel supply to the engine when the outboard stops running. Competitor models do not have a safety fuel shut-off valve.



MFS 5 LPG Offers More Configurations

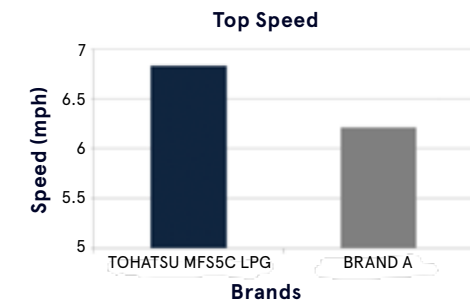
MFS5C LPG offers a variety of transom lengths; S, L (Sail Pro), and UL (Sail Pro). The Sail Pro models are equipped with:

1. Built-in 5amp/12V Charging System
2. High thrust Sail Drive Propeller
3. Charging Cable



Increased Performance

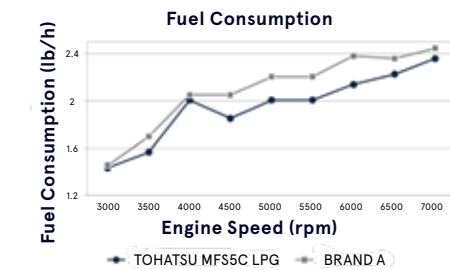
MFS5C LPG actual performance is 5-horsepower, therefore it can run 10% faster than the competitor. MFS5C LPG is among the fastest of all brands even when compared with conventional gasoline fueled outboards.



Source: Research based on Engineering Department / TOHATSU Corporation

Superior Fuel Efficiency

As seen in the chart data below, MFS5C LPG is more fuel efficient than the competition.



Source: Research based on Engineering Department / TOHATSU Corporation

MFS SERIES FEATURE + TECHNOLOGY

Multi-Function Tiller Handle (Option)



It offers smooth control and easy operation having key-switch, big-shift handle, & trim/tilt switch on a big tiller handle (MFS25-50).

Variable Idling Control



Idling / Trolling speed can be adjusted in four rpm ranges (650,750,850,950 r/min) by pressing a key-switch (MFS25-50).

Water Flushing System



Comes standard with a convenient built-in freshwater flush system that simplifies routine engine flushing (MFS9.9-50).

TOCS (Tohatsu Onboard Communication System)



TOCS supports communication between other standard electric devices onboard by simple plug and play (MFS25-50)..

Battery-Less Electronic Fuel Injection



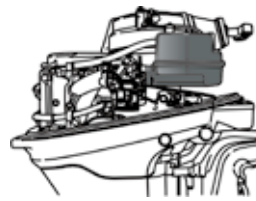
The 25-30HP EFI have the industry's first battery-less electronically controlled fuel injection system. Now also available on the new 9.9-20HP EFI.

Improved Gear Ratio



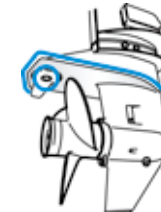
To allow the use of a wider range of propellers for better low end torque and better performance throughout the RPM range. (MFS25-50HP)

Air-silencer system



Our air-intake system has a large volume air silencer to suppress air-intake noise during engine operation.

Wide anti-cavitation plate with trim tab



The wide anti-cavitation plate effectively restrains the propeller from cavitating. The large trim tab helps to achieve effortless steering at high speeds while also providing corrosion protection (MFS40-50).

Simple steering friction lever



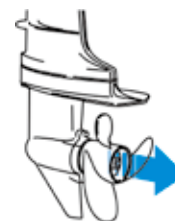
The steering friction lever, located at the front of the motor, allows the steering friction to be adjusted for both steady running at high speed and easier maneuvering while trolling. (tiller model only)

Front shift



The shift lever is located at the front of the motor for easier operation.

Propeller hub exhaust



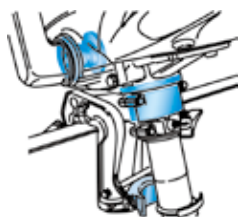
Through-the-prop exhaust makes the engine run nice and quiet.

LPG Powered



Sailors are no longer forced to carry petrol on board thanks to our new MFS5CLPG outboard. This LPG model offers easier starting, quieter operations and provides less maintenance on fuel related parts. Plus, it's 30% cleaner than conventional outboards.

Four point dampening system



The specifically designed motor dampening system reduces vibration at all rpm ranges.

Carrying Handle



Wide and deep carrying handle enables you to carry easily.

Separate Tank

12L separate fuel tank comes standard with 6/5 hp models for a longer distance and time cruising.

Integral tank

With a built-in fuel tank conveniently located on top, 3.5 and 2.5 becomes ready for cruising quickly and without taking up extra space in the boat. External fuel fitting comes standard with the 6/5/4 hp models to allow the motor to hook up to a remote fuel tank as well.

MFS 6SP



Designed specifically for sail boaters. This powerful sailboat engine, available with "long" and "ultra-long" shaft, has a high thrust sail drive propeller to give you the power you need. It also includes a 12V, 60W, 5A charging system for charging your battery or powering external electrical devices and its own charging cable. Sailing just got better with Tohatsu's 6hp "SP" sailboat motor!



Built-in 5 amp/12V charging system



Charging cable included



Equipped with the high thrust sail drive propeller

MFS SERIES LINEUP



MFS 50

MFS 50

MFS 40

MFS 40

MFS 30

MFS 25

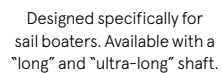
MFS 20

MFS 15

MFS 9.9

	Option	Option	Option	Option	Option	Option			
Multi-Function Tiller Handle	Option	Option	Option	Option	Option	Option			
Variable Idling Control	●	●	●	●	●*	●*			
Water Flushing System	●	●	●	●	●	●	●	●	●
TOCS	●	●	●	●	●	●			
Battery-Less Electronic Fuel Injection					●	●	●	●	●
Improved Gear Ratio					●	●			
Air-silencer system							●	●	●
Wide anti-cavitation plate with trim tab	●	●	●	●					●
Simple steering friction lever							●	●	●
Front-Shift					●	●	●	●	●
Propeller hub exhaust	●	●	●	●	●	●	●	●	●
Four point dampening system									
Carrying Handle							●	●	●
LPG Powered									
Special Color (Beluga White)		●		●					

* Electric Starter Model Only



TOHATSU OUTBOARD MOTORS 2018



MFS 8

MFS 6

MFS 6SP

**MFS 5
LPG SP**

MFS 5

**MFS 5
LPG**

MFS 4

MFS 3.5

MFS 2.5

Hours	Number of Students
0	2
1	3
2	4
3	3
4	2
5	1
6	2
7	3
8	2
9	1
10	1

Tohatsu MD Series



Excellent Horsepower-To-Weight Ratio

MD115/90/75/50/40/35/25

The TLDI® system provides all of the things you need in an outboard. It provides superior performance with exceptional fuel and oil savings. A TLDI® outboard produces fewer emissions and meets all federal and state requirements for outboard emission control. Acceleration from low to high speed is extremely smooth, making the outboard very responsive. Also, the reduction of air intake, from three to one allows quieter operation. With a TLDI® outboard you get all the punch and power of a two stroke but with the quietness and fuel efficiency of a four stroke, together in one fantastic motor.

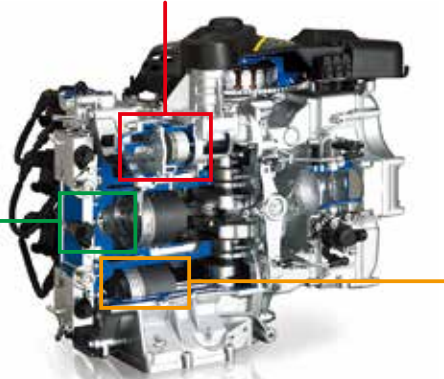
MD SERIES TECHNOLOGY

Air compressor

One of TLDI®'s essential engine components that is the driving force in achieving stabilized fuel injection.

Direct fuel injection into cylinders

Due to the design of the cylinder head chamber and piston dome, the finely atomized fuel mist created by the fuel injector is injected near the spark plug to achieve ideal combustion.



Simpliq™
Technology

Pistons dedicated to TLDI® outboards

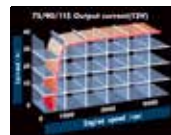
Teflon® coated pistons (Equipped on MD115/90/75) with a concave shape to the head were specifically designed for TLDI® and significantly increase fuel combustion efficiency.

Engine control unit (ECU)



The 32-bit engine control unit controls the fuel injection and ignition timing for TLDI® outboards.

High output alternator



Equipped with a high output alternator that produces 37amps of power even at 1,000rpm and a whopping 40amps at wide-open throttle.

Water Flushing System



Comes standard with a convenient built-in freshwater flush system that simplifies routine engine flushing.

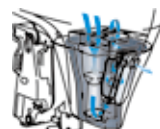
3-step trolling speed control

Can be set to any of the three-rpm ranges, 700, 800 or 900, by adjusting it on your key switch. This feature allows you to select the ideal trolling speed for maneuvering during a variety of current and wind conditions.



Idle noise reduction system

The exhaust gases and the sound are routed through the labyrinth exhaust. This process reduces the noise level to a minimum when exiting above the waterline through idle port.



MD SERIES LINEUP



MD 115



MD 90



MD 75

ECU	●	●	●
High output alternator	●	●	●
Water Flushing Systems	●	●	●
3-step trolling speed control	●	●	●
Idle noise reduction system	●	●	●



MD 50



MD 40



**MD 35/25
JET**

ECU	●	●	●
High output alternator	●	●	●
Water Flushing Systems	●	●	●
3-step trolling speed control	●	●	●
Idle noise reduction system	●	●	●

SPECIFICATIONS

BFT SERIES

Model	BFT250	BFT225	BFT200	BFT150	BFT115	BFT90	BFT75	BFT60	BFW60
No. of Cylinder	6			4				3	
Output	250hp (186.4kW)	225hp (167.8kW)	200hp (149.1kW)	150hp (111.9kW)	115hp (85.8kW)	90hp (67.1kW)	75hp (55.9kW)	60hp (44.7kW)	
Displacement	3,583 cm3 (218.6 cu.in)	3,471 cm3 (211.7 cu.in)		2,354 cm3 (143.6 cu.in)		1,497 cm3 (91.3 cu.in)		998 cm3 (60.9 cu.in)	
Bore x Stroke	89 x 96 mm (3.51x3.78in)	89 x 93 mm (3.51 x 3.67 in)		87 x 99 mm (3.43 x 3.90 in)		73 x 89 mm (2.88 x 3.51 in)		73 x 79 mm (2.88 x 3.11 in)	
Max. RPM Range	5,300 – 6,300 r/min	5,000 – 6,000 r/min			4,500 – 6,000 r/min	5,300 – 6,300 r/min	5,000 – 6,000 r/min		
Starting	Electric								
Control Type	Remote Control					Remote Control or Tiller Handle			
Gear Shift	Forward – Neutral – Reverse								
Gear Ratio	2.00:1	1.86:1		2.14:1		2.33:1		2.07:1	2.33:1
Transom Height	20"25" 30"	20"25"						20"	
Fuel	Unleaded Gasoline (86 Pump Octane or Higher)								
Recommended Oil	API Standard (SG, SH, SJ) SAE 10W-30								
Fuel Tank	Optional								
Weight*	613 lbs (278 kg)	589 lbs (267 kg)	584 lbs (265 kg)	478 lbs (217 kg)		366 lbs (166 kg)	364 lbs (165 kg)	243 lbs (110 kg)	262 lbs (119 kg)
Alternator Output	12V, 720W, 90A			12V, 660W, 90A		12V, 420W, 90A		12V, 264W, 90A	
PGM-FI®	YES	YES	YES	YES	YES	YES	YES	YES	YES
BLAST®	YES	YES	YES	YES	YES	YES	YES	YES	YES
ECOMO®	YES	YES	YES	YES	YES	YES	YES	YES	YES
Variable Valve Timing & Lift Control	YES	YES	-	YES	-	YES	-	-	-
Compatible with TOCS (Tohatsu Onboard Communication System)	YES	YES	YES	YES	YES	YES	YES	YES	YES
Sport Thrust Gear Case	-	-	-	-	-	-	-	-	YES

*Weight Specification is based on the lightest version.

** Alternator on Certain Models

Specifications are subject to change without notice

MFS SERIES 50-8

Model	MFS50	MFS40	MFS30	MFS25	MFS20	MFS15	MFS9.9	MFS9.8	MFS8
No. of Cylinder	3				2				
Output	50hp (36.8kW)	40hp (29.4kW)	30hp (22.1kW)	25hp (18.4kW)	20hp (14.7kW)	15hp (11.0kW)	9.9hp (7.3kW)	9.8hp (7.2kW)	8hp (5.9kW)
Displacement	866 cm3 (52.8 cu.in)		526 cm3 (32.09 cu.in)		333 cm3 (20.3 cu.in)			209 cm3 (12.8 cu.in)	
Bore x Stroke	70 x 75 mm (2.76 x 2.96 in)		61 x 60 mm (2.4 x 2.36 in)		61 x 57 mm (2.4 x 2.24 in)			55 x 44 mm (2.17 x 1.73 in)	
Max. RPM Range	5,000 – 6,000 r/min		5,250 – 6,250 r/min	5,000 – 6,000 r/min	5,400 – 6,100 r/min			5,000 – 6,000 r/min	
Starting	Electric		Electric & Manual or Manual						
Control Type	Remote Control or Tiller Handle								
Gear Shift	Forward – Neutral – Reverse								
Gear Ratio	2.08:1		2.17:1		2.15:1			2.08:1	
Propeller Selection Range	7" – 17"		8" – 14"		6.9" – 11.5"			5" – 10"	
Transom Height	15", 20", 25"		15", 20"				15", 20", 25"		15", 20"
Fuel	Unleaded Gasoline (87 Octane)								
Recommended Oil	Tohatsu FC-W 4stroke Outboard Motor Oil								
Fuel Tank	Optional		25 Lit (6.6 US Gal.) Separate Tank		12 Lit (3.17 US Gal.) Separate Tank				
Weight*	209 lbs (95 kg)		158 lbs (71.5 kg)		95 lbs (43 kg)			81.5 lbs (37 kg)	
Alternator Output	12V, 252W, 21A		12V, 180W, 15A		12V, 145W, 12A			12V, 80W, 6A**	
Compatible with TOCS (Tohatsu Onboard Communication System)	YES	YES	YES	YES	-	-	-	-	-

*Weight Specification is based on the lightest version.

** Alternator on Certain Models

Specifications are subject to change without notice

SPECIFICATIONS

MFS SERIES 6-2.5

Model	MFS6 SP	MFS6	MFS5 LPG	MFS5 LPG SP	MFS5	MFS4	MFS3.5	MFS2.5
No. of Cylinder	1							
Output	6hp (4.4kW)		5hp (3.7kW)			4hp (2.9 kW)	3.5hp (2.6 kW)	2.5hp (1.8 kW)
Displacement	123 cm3 (7.5 cu.in)						85.5 cm3 (5.2 cu.in)	
Bore x Stroke	59 x 45 mm (2.32 x 1.77 in)						55 x 36 mm (2.17 x 1.42 in)	
Max. RPM Range	5,000 – 6,000 r/min				4,500 – 5,500 r/min		5,000 – 6,000 r/min	4,500 – 5,500 r/min
Starting	Manual							
Control Type	Tiller Handle or Opt. Remote Control						Tiller Handle	
Gear Shift	Forward – Neutral – Reverse						Forward – Neutral	
Gear Ratio	2.15:1							
Propeller Selection Range	6"	6" – 9"					4.5" – 7"	
Transom Height	20", 25"	15", 20"		20", 25"		15", 20"		
Fuel	Unleaded Gasoline (87 Octane)		HD-5 (More than 65% Propane)		Unleaded Gasoline (87 Octane)			
Recommended Oil	Tohatsu FC-W 4stroke Outboard Motor Oil							
Fuel Tank	12 Lit (3.17 US Gal.) Separate Tank	1.15 Lit (0.30 US Gal.) Integral Tank	External		12 Lit (3.17 US Gal.) Separate Tank	1.15 Lit (0.30 US Gal.) Integral Tank	1 Lit (0.26 US Gal.) Integral Tank	
Weight*	59 lbs (26.6 kg)	57 lbs (25.6 kg)	60 lbs (27.2 kg)	63 lbs (28.6 kg)	57 lbs (27.2 kg)	58 lbs (26.1 kg)	41 lbs (18.4 kg)	
Alternator Output	12V, 60W, 5A	Opt. 12V, 60W, 5A		12V, 60W, 5A		Opt. 12V, 60W, 5A		N/A
Compatible with TOCS (Tohatsu Onboard Communication System)	-							

*Weight Specification is based on the lightest version.

** Alternator on Certain Models

Specifications are subject to change without notice

MD SERIES

Model	MD115	MD90	MD75	MD50	MD40	MD35 JET	MD25 JET
No. of Cylinder	4	3					
Output	115hp (85 kW)	90hp (66 kW)	75hp (55 kW)	50hp (37 kW)	40hp (29.4 kW)	35hp (25.7 kW)	25hp (18.4 kW)
Displacement	1768 cm3 (107.9 cu.in)	1267 cm3 (77.3 cu.in)		697 cm3 (42.5 cu.in)			
Bore x Stroke	88x72.7mm (3.46x2.86 in)	86 x 72.7 mm (3.39 x 2.86 in)		68 x 64 mm (2.68 x 2.52 in)			
Max. RPM Range	5,150 – 5,850 r/min					5,150 – 5,850 r/min	
Starting	Electric						
Control Type	Remote Control			Remote Control or Tiller Handle			
Gear Shift	Forward – Neutral – Reverse						
Gear Ratio	2.0:1	2.33:1		1.85:1		1:1	
Propeller Selection Range	9" – 21"	11" – 21"		7" – 17"			
Transom Height	20", 25"			15", 20"		20"	
Fuel	Unleaded Gasoline (87 Octane)						
Recommended Oil	Tohatsu Premium TC-W3 2-Stroke Oil						
Fuel Tank	Optional						
Weight*	392 lbs (178 kg)	342 lbs (150 kg)		205.7 lbs (93.5 kg)		201 lbs (91 kg)	218 lbs (99 kg)
Alternator Output	12V, 490W, 40A			12V, 280W, 23A			
Compatible with TOCS (Tohatsu Onboard Communication System)	YES						

*Weight Specification is based on the lightest version.

** Alternator on Certain Models

Specifications are subject to change without notice

TOHATSU AMERICA CORPORATION

KLIMASKLEP
ul. Orzechowa 3
72-010 Przęsocin (koło Szczecina)

tel.: **(91) 432-43-42**

e-mail: **kontakt@klimasklep.pl**
www: **www.KlimaSklep.pl**