



# OUTBOARD MOTORS 2020

# OUR MISSION

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.





A large background image on the left side of the page shows a man from the chest up, wearing a light blue t-shirt with the Tohatsu logo. He is looking out over a body of water under a clear blue sky. The boat's interior, including a white seat and part of the dashboard, is visible in the foreground.

## 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 photograph of a man in a blue shirt working on a boat engine. He is focused on his task, using a tool to adjust or repair a component of the engine. The background is slightly blurred, showing the interior of the boat.

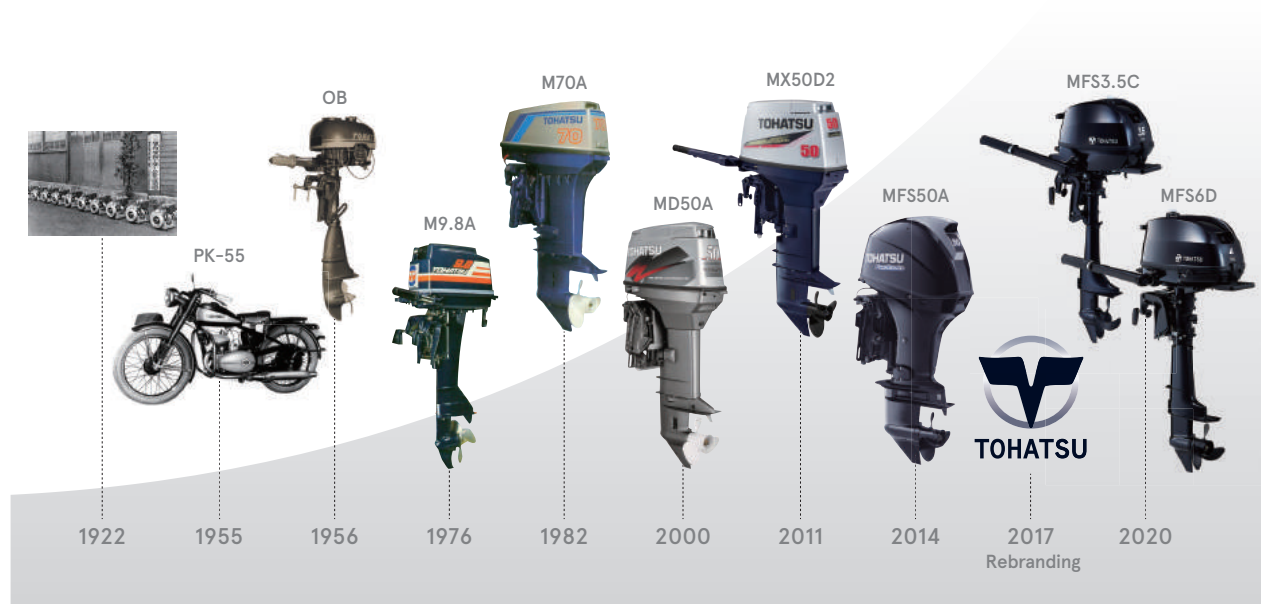
## BACKS YOU UP™

Our job begins by understanding our customer's 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.



# Our History

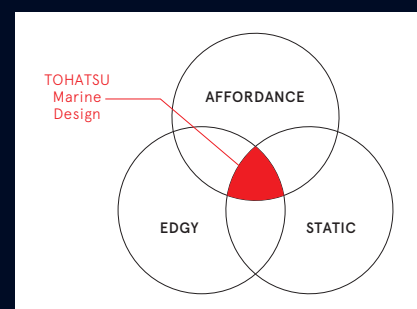
The history of Tohatsu began since 1922 when the development of small gasoline engines has started. In 1956, Tohatsu has succeeded in producing the first outboard motor in Japan, the "OB". Since then, Tohatsu Outboards have been serving various marketplaces fulfilling numerous different demands with reliable products; two-stroke, four-stroke, and TLDI® Outboard Motors, and always seeking for ways to improve the quality of products & services.



# Our Design

## Tohatsu Design Philosophy

Based on Tohatsu's mission, to deliver a smarter and more exciting boating experience. Tohatsu Design Philosophy for marine products consists of "Affordance", "Edgy" and "Static". The above 3 elements are the key components of Tohatsu Design Platform.



## AFFORDANCE



Intuitively clear as it is a conversation between things and persons  
Organized elements and thoughtful comfortability



## Our Logotype



The Tohatsu Blue Wings evokes the image of the sea hawk, a bird that soars over the oceans of the world. The circle represents the sea. The sea hawk's wings which transcend it symbolize Tohatsu innovation, the pioneering ideas that inspire action that transcends the conventional.

## Our Tagline

Feel the  
Wind™

Wind is the flow of life. At times, it can even change the world. We want people everywhere to feel the exhilarating wind coming off the wings of Tohatsu. We pour our passion into every detail to provide people around the world with a smarter, more exciting boating experience. See it. Hear it. Feel the wind.

### EDGY



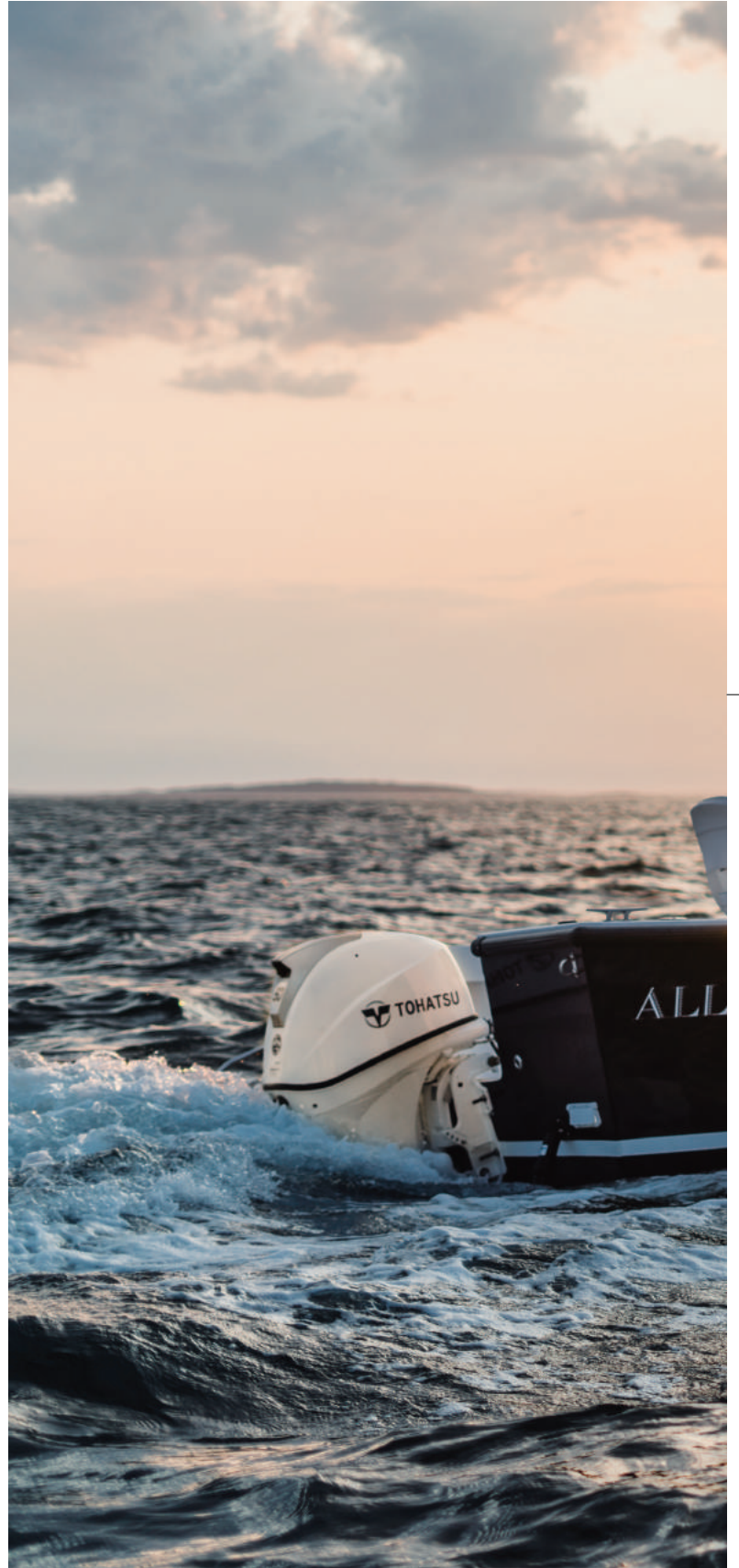
Narrowing peak for impressive details  
Aesthetic appreciation that fits the times

### STATIC



Controlled and calm appearance that  
harmonize with the nature environment  
Genuine expression with simplicity and  
efficiency

## 4 STROKE







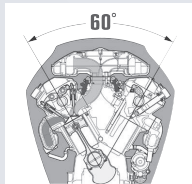


## BFT250/225/200

The BFT250/225/200D provide a broader torque and smoother power throughout the engine's operating range. With an innovated exterior, the improvement of corrosion resistance and water intrusion makes BFT250/225/200D the right choice.



### TECHNOLOGY



#### Large Displacement V6

A powerful compact 24 valve Single Overhead Cam (SOHC) design. The narrow V6 design offers top performance and durability as well as great fuel economy.



High output alternator that produces 90 amp alternator with 60 charging amps



Fuel economy is optimized at cruising speeds by allowing combustion at the best air/fuel mixture. This offers up to 30% less fuel consumption than the competition.



TOCS- Tohatsu Onboard Communication System- Offers communication between standard onboard electric devices and the outboard by simple plug and play.

#### Maximum Acceleration System

The Maximum Acceleration System improves acceleration and performance at low speeds. When there is a quick movement of the throttle, the system is activated advancing the ignition timing curve quickly. This offers improved holeshot and quick planing performance.

#### VVT&LC

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



The enhanced sealing system incorporates a new redesigned cowling to allow fresh air in and keep water out in addition to having three new latches for a secure dry fit.



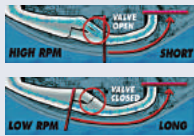


## BFT150/115

The BFT150/115A models with superior combination of power, torque and fuel efficiency offers smooth operation and it is ideal for fishing and commercial use.



### TECHNOLOGY

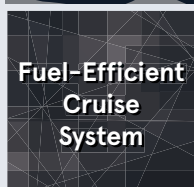


#### Dual Stage Induction

BFT150A has unique variable intake system which optimizes air flow to match the engine's speed. The results are maximized combustion efficiency, maximum top end performance, increased torque, and superb fuel economy.



High output alternator produces 30 amps of power at 1,000 rpms and 40 amps at 2,000 rpm and above



Fuel economy is optimized at cruising speeds by allowing combustion at the best air/fuel mixture. This offers up to 30% less fuel consumption than the competition.



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#### VVT&LC

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



## BFT100/90/80/75

The BFT100/90/80/75AK1 models are one of the lightest in their class and are greatly improved by making routine maintenance easier for the boater. Multi-function tiller handle is optional for these models.

\*Genuine optional equipment



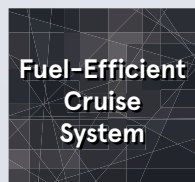
### TECHNOLOGY



Weighing in at only 166kg makes these models one of the lightest motors in its class



High output 44 amp alternator that produces nearly twice as many charging amps as some competitors



Fuel economy is optimized at cruising speeds by allowing combustion at the best air/fuel mixture. This offers up to 30% less fuel consumption than the competition.



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



Multi function tiller handle is available with adjustable idle trolling RRM





## BFT60

The superior maneuverability produced by a wide steering angle\* makes boating easier. Built for a variety of uses in the boating industry, BFT60A will surely satisfy your needs.

\*Tiller handle model only.



### TECHNOLOGY



High output 22 amp alternator that produces nearly twice as many charging amps as some competitors



Fuel economy is optimized at cruising speeds by allowing combustion at the best air/fuel mixture. This offers up to 30% less fuel consumption than the competition.

#### Maximum Acceleration System

The Maximum Acceleration System improves acceleration and performance at low speeds. When there is a quick movement of the throttle, the system is activated advancing the ignition timing curve quickly. This offers improved holeshot and quick planing performance.



Multi function tiller handle is available with adjustable idle trolling RRM



TOCS- Tohatsu Onboard Communication System- Offers communication between standard onboard electric devices and the outboard by simple plug and play.



## MFS60

Tohatsu is determined to provide an engine to back you up on all your adventures. Designed to deliver a powerful ride, the 60hp EFI four stroke not only offers accelerating speed while using less fuel, but provides the lightest weight in its class to muscle your boat applications without sacrificing performance and accessibility to hard to reach places.



### TECHNOLOGY



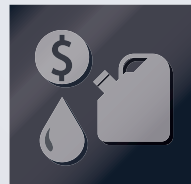
SOHC with unique 9-Valve Design with roller rocker arms provide minimal friction offering quicker throttle response more durable against wear and tear.



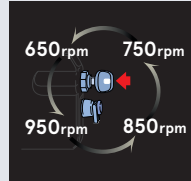
Sleek design with monochrome tilt handle and mirror pane decals.  
Two color options: Aqua Marine Blue and Beluga White.



Lightest weight in its class, starting at just 98.5 kg.



Outstanding fuel economy in its class.  
Why do you use more gasoline, if you have a choice not to?



Idling and trolling speed can be adjusted by pressing the key switch on your remote control box or multi-function tiller handle. (from 650 to 950 rpm's)



High output alternator produces 21 amps. It's one of the large charging capacity along competition making it one of the largest capacity charging system in it's class.



TOCS- Tohatsu Onboard Communication System- Offers communication between standard onboard electric devices and the outboard by simple plug and play.





## MFS50/40

With a starting weight of 95kg, the MFS50/40 is not only the lightest in its class, but delivers the performance you expect and more.

The newly designed gear case offers you a lower gear ratio for improved hole shot and top end speed.



### TECHNOLOGY

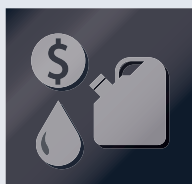


Sleek design with two color options: Aqua Marine Blue and Beluga White



Light  
Weight

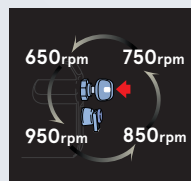
Lightest weight in its class, starting at just 95 kg.



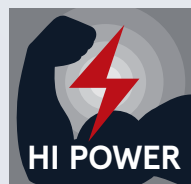
Outstanding fuel economy in its class. Why do you use more gasoline, if you have a choice not to?



Iridium spark plugs provide maximum throttle response, enhanced combustion, and longer plug life.



Idling and trolling speed can be adjusted by pressing the key switch on your remote control box or multi-function tiller handle. (from 650 to 950 rpm's)



High output alternator produces 21 amps. It's one of the large charging capacity along competition.



TOCS- Tohatsu Onboard Communication System- Offers communication between standard onboard electric devices and the outboard by simple plug and play.



## MFS30/25

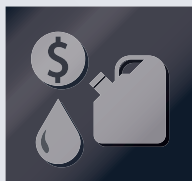
The world's first outboard with battery-less electronic fuel injection system has set the industry standard. An optimized gear ratio offers better acceleration and a refined upper and lower motor cover improves serviceability. MFS30AW (Beluga White model) is available for a variety of boat applications.



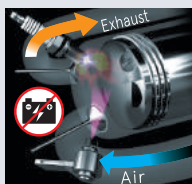
### TECHNOLOGY



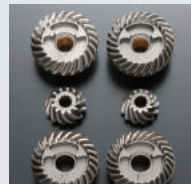
Sleek design with color options: Aqua Marine Blue and Beluga White (MFS30 only)



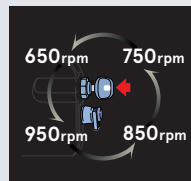
Outstanding fuel economy in its class. Why do you use more gasoline, if you have a choice not to?



Advanced Battery-less Electronic Fuel Injection (EFI) for smoother operation, easier starting and greater fuel efficiency in any condition



Lower gear ratio from 1.92:1 to 2.17:1 gives you better low end torque and the ability to turn a higher pitch prop for better top end performance



Idling and trolling speed can be adjusted by pressing the key switch on your remote control box or multi-function tiller handle (from 850 to 1050 rpm's)



TOCS- Tohatsu Onboard Communication System- Offers communication between standard onboard electric devices and the outboard by simple plug and play.





## MFS20/15/9.9

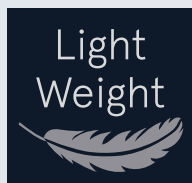
These compact yet powerful engines have all the features you would expect to see on larger outboards. Such as battery-less EFI technology, multi-function tiller handle\*, and a large displacement providing outstanding power. All while maintaining lightest in it's class, quiet operation, and ease of portability. \*Tiller models only



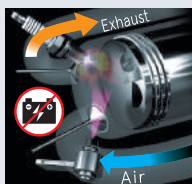
### TECHNOLOGY



Color options: Aqua Marine Blue and Beluga White (MFS20 only)



Lightest weight in its class and compact design for easier maintenance



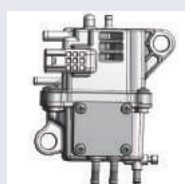
Advanced Battery-less Electronic Fuel Injection (EFI) for smoother operation, easier starting and greater fuel efficiency in any condition



Semi-Multi-Function Tiller Handle offers the Stop Switch, Front Shift, Friction Adjusting Screw and Power Tilt Switch (PTS: on power tilt models only) integrated into the tiller handle for convenience



A high quality, easy-to-remove and drain water & fuel separator that has a red ring that floats to identify if water is in the fuel system.



VST (Vapor Separator Tank) has been designed to integrate the High Pressure Fuel Feed Pump and Fuel Cooler inside the VST, making it a very compact lightweight integrated fuel system. This contributes to reducing the weight and offering ease of maintenance.



## MFS9.8/8

The Tohatsu MFS9.8/8B are the lightest outboards in their class along with a large displacement making outstanding power. These advantages along with ultra-quiet operation makes these models the best choice in any application.



### TECHNOLOGY



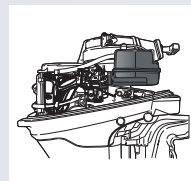
Thanks to our loyal customers all around the world, we are proud to announce the 17th year of MFS8/9.8 since the start of its production.



Lightest weight in its class, starting at just 37kg with a wide variety of types for every application.



Front mounted shift lever for easier operation



Air-intake system has a large volume air silencer to ensure engine starting and to suppress air-intake noise during engine operation.





**NEW**

## MFS6/5/4, 5LPG MFS6 SP, 5LPG SP

These portable best-seller have been upgraded by newly designed top and bottom cowls based on Tohatsu Design Philosophy for Marine Products with ergonomically designed front and back carrying handles. Now you can store your engine on 3 different positions without worrying about oil spillage. The special editions such as "LPG" models as well as "SP" models, have been proudly renewed as well.



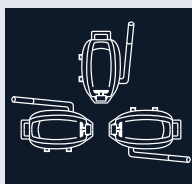
## TECHNOLOGY



Top and bottom cowls are newly designed based on Tohatsu Design Philosophy of marine products; Affordance, Edgy and Static.



Ergonomically designed new Large Front & Back Carrying Handles which allow easier carry and transportation from having one handle positioned slightly below another.



3-way storage positions (Port, Front, and Starboard side down) without worrying about oil spillage.  
\*Please refer to Owner's Manual for storage and transportation.



Front mounted shift lever for forward-neutral-reverse is an industry first in its class.



MFS5 LPG is 30% cleaner\* in emissions while offering same performance as gasoline model. (LPG: Liquefied Petroleum Gas). LPG offers trouble free starting without the worry of clogged fuel systems.

**SP**

SP model is designed specifically for sail boaters. This outboard is available in a "long" and "Ultra-long" shaft with high thrust propeller and 60W(12V, 5A) charging system



**NEW**

## MFS3.5/2.5

These portable best-sellers have been upgraded with newly designed top and bottom cowl based on the Tohatsu Design Philosophy for Marine Products of Simpliq with ergonomically designed front and back carrying handles. Now you can store your engine on 3 different positions without worrying about oil spillage.

\*Please refer to Owner's Manual for storage and transportation.



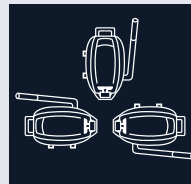
## TECHNOLOGY



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Ergonomically designed new Large Front & Back Carrying Handles which allow easier carry and transportation from having one handle positioned slightly below another.



3-way storage positions (Port, Front, and Starboard side down) without worrying about oil spill.

\*Please refer to Owner's Manual for storage and transportation.



Forward-neutral shifting with 360° steering







# GENUINE TOHATSU PARTS AND ACCESSORIES







## Gauges & Meters

Manufactured to Tohatsu's precision standards, a variety of Tohatsu gauges are available through your local dealer; hour meters, volt meters, water pressure meters, GPS speedometers, tilt/trim gauges, and tachometers.

Listed is just a sample of gauges offered. See your dealer for a complete list of all Tohatsu gauges available for your outboard.



## Control Boxes

Our Side, Flush, Top Single, and Top Dual Mount control boxes are all designed to provide remote throttle and shift control for Tohatsu outboards.

Tohatsu offers a wide range of control boxes, mounting kits, and remote conversion kits to accommodate almost any application. For a complete list of kits and options, please contact your local Tohatsu dealer.

### Lineup

Side Mount Remote Control Box      Top-Dual Control Head Assy  
Center Console Control Head Assy



## Multi Function Tiller

The multi-function tiller handle features an ergonomically designed shift lever for easy and convenient shifting and a longer throttle grip with 110 degrees rotation for easier maneuverability. All controls and switches are located on the multi-function tiller handle with easy access and control. More specifically, the gear shift, throttle control, trim switch, safety lanyard cord, and electric start key switch are all integrated in the tiller handle.

Available for MFS60/50/40/30/25, BFT100/90/80/75/60

# SPECIFICATIONS



	LARGE ENGINES										MIDDLE ENGINES		
Model	BFT250	BFT225	BFT200	BFT150	BFT115	BFT100	BFT90	BFT80	BFT75	BFT60	MFS60	MFS50	MFS40
No.of Cylinder	6			4							3		
Output	250 ps (183.9 kw)	225 ps (165.5 kw)	200 ps (147.1 kw)	150 ps (110.3 kw)	115 ps (84.6 kw)	100 ps (73.6 kw)	90 ps (66.2 kw)	80 ps (58.8 kw)	75 ps (55.2 kw)	60 ps (44.1 kw)	60 ps (44.1 kw)	50 ps (36.8 kw)	40 ps (29.4 kw)
Displacement	3,583 cm <sup>3</sup> (218.6 cu in)			2,354 cm <sup>3</sup> (143.6 cu in)		1,496 cm <sup>3</sup> (91.3 cu in)				998 cm <sup>3</sup> (60.9 cu in)	866 cm <sup>3</sup> (52.8 cu in)		
Bore x Stroke	89 x 96 mm (3.50 x 3.78 in)			87 x 99 mm (3.43 x 3.90 in)		73 x 89.4 mm (2.87 x 3.50 in)				2.87 x 3.13 in (73 x 79.5 mm)	2.76 x 2.96 in (70 x 75 mm)		
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 Ratio	2.00:1			2.14:1		2.33:1				2.07:1	2.08:1		
Propeller Selection Range	11" – 23"					9" – 21"				9" – 15"	7" – 17"		
Transom Height	25"		20", 25"				20"	20", 25"		20"		15", 20"	
Weight*	286 kg (631 lbs)		279 kg (615 lbs)	217 kg (478 lbs)		165 kg (366 lbs)				110 kg (243 lbs)	98.5 kg (217 lbs)	95 kg (209 lbs)	
Alternator Output	12V, 1180W, 90A			12V, 660W, 55A		12V, 420W, 35A				12V, 264W, 22A	12V, 252W, 21A		

\*Weight Specification is based on the lightest version. Specifications are subject to change without notice.

\*\*Alternator on Certain Models





	MIDDLE ENGINES									SMALL ENGINES						
Model	MFS30	MFS25	MFS20	MFS15	MFS9.8	MFS8	MFS6Z	MFS6 SP	MFS6	MFS5 LPG SP	MFS5 LPG	MFS5	MFS4	MFS3.5	MFS2.5	
No.of Cylinder	3		2						1							
Output	30 ps (22.1 kw)	25 ps (18.4 kw)	20 ps (14.7 kw)	15 ps (11 kw)	9.8 ps (7.2 kw)	8 ps (5.9 kw)	6 ps (4.4 kw)			5 ps (3.7 kw)			4 ps (2.9 kw)	3.5 ps (2.6 kw)	2.5 ps (1.8 kw)	
Displacement	526 cm <sup>3</sup> (32.1 cu in)		333 cm <sup>3</sup> (20.3 cu in)		209 cm <sup>3</sup> (12.8 cu in)			123 cm <sup>3</sup> (7.5 cu in)					86 cm <sup>3</sup> (5.2 cu in)			
Bore x Stroke	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)			59 x 45 mm (2.32 x 1.77 in)					55 x 36 mm (2.17 x 1.42 in)			
Max. RPM Range	5,250 – 6,250 r/min	5,000 – 6,000 r/min	5,400 – 6,100 r/min		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	Electric & Manual or Manual							Manual								
Control Type	Remote Control or Tiller Handle							Tiller Handle								
Gear Ratio	2.17:1		2.15:1		2.08:1			2.15:1								
Propeller Selection Range	8" – 14"		6" – 11.5"		5" – 9.5"			6" – 9"					4.5" – 7"			
Transom Height	15", 20"				15", 20", 25"	15", 20"		20", 25"	15", 20"	20", 25"	15", 20"					
Weight*	71.5 kg (158 lbs)		43 kg (95 lbs)		37 kg (81.5 lbs)			26.1 kg (58 lbs)	25.6 kg (57 lbs)	28.6 kg (63 lbs)	27.2 kg (60 lbs)	25.6 kg (57 lbs)	26.1 kg (58 lbs)	18.4 kg (41 lbs)		
Alternator Output	12V, 180W, 15A		12V, 145W,12A		12V, 80W,6A**			12V, 60W, 5A	Opt. 12V, 60W, 5A	12V, 60W, 5A	Opt. 12V, 60W, 5A			N/A		

\*Weight Specification is based on the lightest version. Specifications are subject to change without notice.  
 \*\*Alternator on Certain Models



Check out our brand at  
[www.tohatsu.com](http://www.tohatsu.com) and social medias



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