



TOHATSU

Feel the Wind™

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.





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.



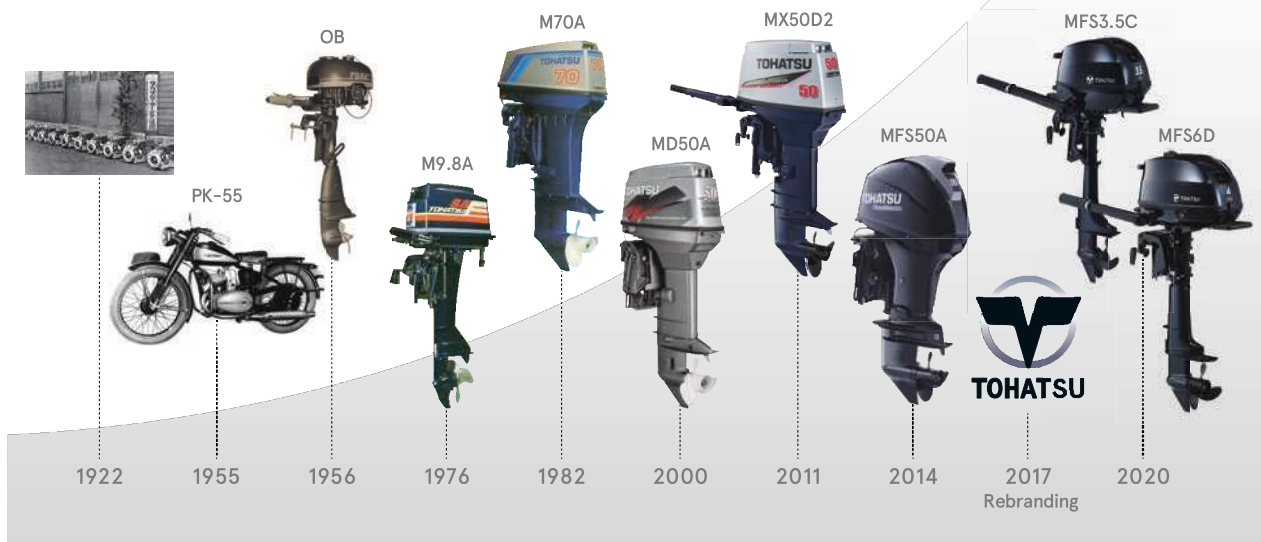
BACKS YOU UP

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

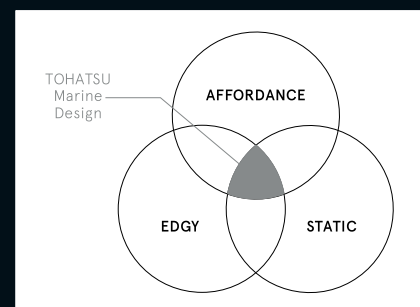
The history of Tohatsu began since 1922 when the development of small gasoline engines has started. In 1956, Tohatsu has succeeded in producing the first outboard motor in Japan, the "OB". Since then, Tohatsu Outboards have been serving various marketplaces fulfilling numerous different demands with 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





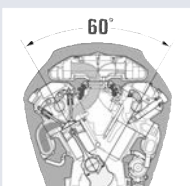


BFT250/225/200

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

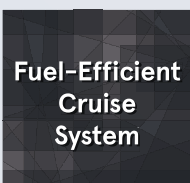


Large Displacement V6

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.

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.



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.



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



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

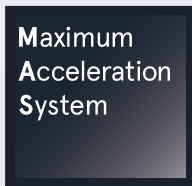
BFT150A has unique variable intake system which optimizes air flow to match the engine's speed. The results are maximized combustion efficiency, maximum top end performance, increased torque, and superb fuel economy.



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.



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.



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.



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



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



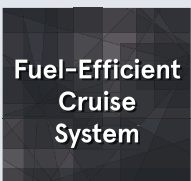
TECHNOLOGY



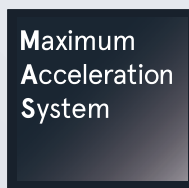
Weighing in at only 166kg makes these models one of the lightest motors in its class



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.



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.



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



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



BFT 60

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.

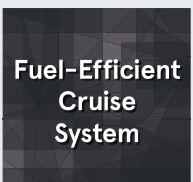
*Tiller handle model only.



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



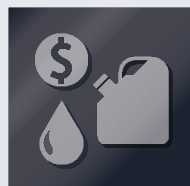
SOHC with unique 9-Valve Design with roller rocker arms provide minimal friction offering quicker throttle response more durable against wear and tear.



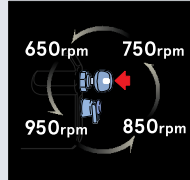
Sleek design with monochrome tilt handle and mirror pane decals.
Two color options: Aqua Marine Blue and Beluga White.



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 it's 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.



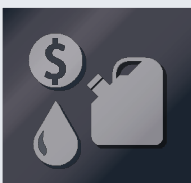
TECHNOLOGY



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



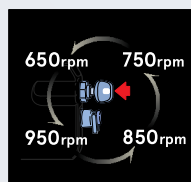
Lightest weight in its class, starting at just 95 kg.



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

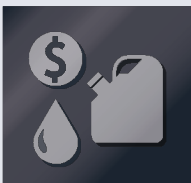
The world's first outboard with battery-less electronic fuel injection system has set the industry standard. An optimized gear ratio offers better acceleration and a refined upper and lower motor cover improves serviceability. MFS30AW (Beluga White model) is available for a variety of boat applications.



TECHNOLOGY



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



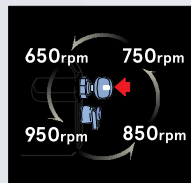
Outstanding fuel economy in its class. Why do you use more gasoline, if you have a choice not to?



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

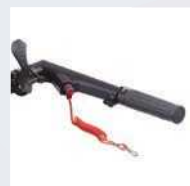
These compact yet powerful engines have all the features you would expect to see on larger outboards. Such as battery-less EFI technology, multi-function tiller handle*, and a large displacement providing outstanding power. All while maintaining lightest in it's class, quiet operation, and ease of portability.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



TECHNOLOGY



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



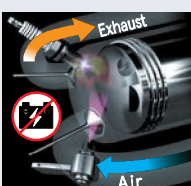
Semi-Multi-Function Tiller Handle offers the Stop Switch, Front Shift, Friction Adjusting Screw and Power Tilt Switch (PTS: on power tilt models only) integrated into the tiller handle for convenience



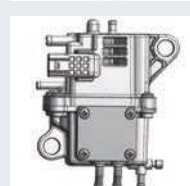
Lightest weight in its class and compact design for easier maintenance



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.



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



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



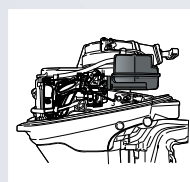
Thanks to our loyal customers all around the world, we are proud to announce the 17th year of MFS8/9.8 since the start of its production.



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 spill.

*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 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.



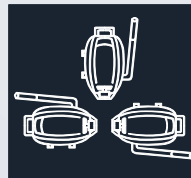
TECHNOLOGY



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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



2 STROKE







MX50/40

Globally well reputed MX50/40D3 have been upgraded for its further possibilities. These models are the best choice for the commercial fisherman and of course for the pleasure boaters as well. Experience the brilliantly modified EverRun Model.



M50/40

Tohatsu 2-strokes are world famous for their reliability, terrific-horsepower-to-weight ratios and top-of-the-line performances. These in-line 3-cylinder outboards provide all of the extra features you want and need without compromising Tohatsu's well-known quality. The M50/40D2 will give you performance and reliability for your long days of boating pleasure.



MX30/25

The highly evaluated M30/25H were upgraded as MX30/25H for further durability. These models designed to survive the tough operating environment show the best performance in any commercial usage.



M30/25

The M30/25H have a well-earned reputation for incredible power, all at manageable weights. A wide range of model line-up including jet drive model (M25H JET) will be suitable for every purpose.





MX18/15

Tohatsu's best-seller has been upgraded. More power and more durability are achieved without changing its weight. This is the ultimate option for the commercial-users. Experience the new Power, Durability, and Reliability of Tohatsu EverRun.



M18/15/9.9

Tohatsu gives boaters exactly what they need in mid-range portables: more power and less weight. Whatever your boating application, there are the ultimate outboards for convenience, reliability and portability.



M9.8/8/6

M9.8/8/6B, which have been over 20 years since its launch, are still one of the best-seller of Tohatsu and the best choice in this output range. A refined light-weight design and enough output are satisfying all pleasure boaters.



M5/4/3.5/2.5

All of these truly portable models offer an incredible horsepower-to-weight ratio. These are the ultimate outboards for convenience and portability. Whatever you're going, there's a little Tohatsu to take with you.



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 ³ (218.6 cu in)			2,354 cm ³ (143.6 cu in)		1,496 cm ³ (91.3 cu in)				998 cm ³ (60.9 cu in)	866 cm ³ (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)				73 x 79.5 mm (2.87 x 3.13 in)	70 x 75 mm (2.76 x 2.96 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			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.



	MIDDLE ENGINES					SMALL ENGINES							
Model	MFS30	MFS25	MFS20	MFS15	MFS9.8	MFS8	MFS6 Z	MFS6 SP	MFS6	MFS5 LPG SP	MFS5 LPG	MFS5	MFS4
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)	
Displacement	526 cm ³ (32.1 cu in)		333 cm ³ (20.3 cu in)		209 cm ³ (12.8 cu in)			123 cm ³ (7.5 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)					
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		
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"					
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)
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		

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



	SMALL ENGINES			TWO STROKE ENGINES									
Model	MFS3.5	MFS2.5	M50	M40	M30	M25	M25 Jet	M18	M15	M9.9	M9.8	M8	
No. of Cylinder	1		3		2								
Output	3.5 ps (2.6 kw)	2.5 ps (1.8 kw)	50 ps (36.8 kw)	40 ps (29.4 kw)	30 ps (22.1 kw)	25 ps (18.4 kw)	Jet Power 25 ps (18.4 kw)	18 ps (13.2 kw)	15 ps (11 kw)	9.9 ps (7.3 kw)	9.8 ps (7.2 kw)	8 ps (5.9 kw)	
Displacement	86 cm ³ (5.2 cu in)		697 cm ³ (42.5 cu in)		429 cm ³ (26.2 cu in)			294 cm ³ (17.9 cu in)	247 cm ³ (15.1 cu in)		169 cm ³ (10.3 cu in)		
Bore x Stroke	55 x 36 mm (2.17 x 1.42 in)		68 x 64 mm (2.68 x 2.52 in)		68 x 59 mm (2.68 x 2.32 in)			60 x 52 mm (2.36 x 2.05 in)	55 x 52 mm (2.17 x 2.05 in)		50 x 43 mm (1.97 x 1.69 in)		
Max. RPM Range	5,000 - 6,000 r/min	4,500 - 5,500 r/min	5,150 - 5,850 r/min	5,000 - 5,700 r/min	5,150 - 5,850 r/min	5,000 - 6,000 r/min	5,150 - 5,850 r/min	5,200 - 5,800 r/min		4,500 - 5,300 r/min	5,000 - 6,000 r/min	4,500 - 5,500 r/min	
Starting	Manual		Electric & Manual or Manual				Manual	Electric & Manual or Manual	Manual		Electric & Manual or Manual	Manual	
Control Type	Tiller Handle		Remote Control or Tiller Handle				Tiller Handle	Remote Control or Tiller Handle	Tiller Handle				
Gear Ratio	2.15:1		1.85:1		1.92:1		1:1	1.85:1		2.08:1			
Propeller Selection Range	4.5" - 7"		7" - 17"		8" - 14"		-	6" - 11.5"		5" - 9.5"			
Transom Height	15", 20"						20"	15", 20"		15", 20", 25"	15", 20"		
Weight*	18.4 kg (41 lbs)		72 kg (159 lbs)		51 kg (112 lbs)		59 kg (130 lbs)	41 kg (90 lbs)		26 kg (57 lbs)			
Alternator Output	N/A		12V, 130W, 11A		12V, 80W, 7A						12V, 80W, 7A**	Opt. 12V, 80W, 7A	

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



	TWO STROKE ENGINES													
Model	M6	M5	M4	M3.5 B	M3.5 A	M2.5 A	MX50	MX40	MX30	MX25	MX18	MX15		
No. of Cylinder	2		1				3			2				
Output	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)	50 ps (36.8 kw)	40 ps (29.4 kw)	30 ps (22.1 kw)	25 ps (18.4 kw)	18 ps (13.2 kw)	15 ps (11 kw)		
Displacement	169 cm ³ (10.3 cu in)	102 cm ³ (6.2 cu in)		74.6 cm ³ (4.6 cu in)			697 cm ³ (42.5 cu in)		429 cm ³ (26.2 cu in)		294 cm ³ (17.9 cu in)			
Bore x Stroke	50 x 43 mm (1.97 x 1.69 in)	55 x 43 mm (2.17 x 1.69 in)		47 x 43 mm (1.85 x 1.69 in)			68 x 64 mm (2.68 x 2.52 in)		68 x 59 mm (2.68 x 2.32 in)		60 x 52 mm (2.36 x 2.05 in)			
Max. RPM Range	4,500 - 5,500 r/min			4,200 - 5,300 r/min		3,800 - 5,200 r/min	5,000 - 5,800 r/min		5,150 - 5,850 r/min	5,000 - 6,000 r/min	5,200 - 5,800 r/min	4,500 - 5,500 r/min		
Starting	Manual						Electric & Manual or Manual			Manual				
Control Type	Tiller Handle						Tiller Handle							
Gear Ratio	2.08:1	2.15:1			1.85:1		2.08:1		1.92:1		1.85:1			
Propeller Selection Range	5" - 9.5"		6" - 9"		4.5" - 7"		4.5" - 6"		7" - 17"		8" - 14"		6" - 11.5"	
Transom Height	15", 20"						15", 20", 22.5", 25"	15", 20"		15", 20", 25"			15", 20"	
Weight*	26 kg (57 lbs)	20 kg (44 lbs)		13 kg (29 lbs)	12.5 kg (28 lbs)		72 kg (159 lbs)		51 kg (112 lbs)		41 kg (90 lbs)			
Alternator Output	Opt. 12V, 80W, 7A	Opt. 12V, 60W, 5A			-		12V, 130W, 11A		Opt. 12V, 80W, 7A					

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



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