

# OUTBOARD MOTORS 2016

INTERNATIONAL







## “Celebrating 60 Years of Advancing Technology on the Water”

Over the past 60 years, continuous technological advancements has made Tohatsu Outboards one of the most trusted names on the water. Pride in being the first, and being the best has helped to make Tohatsu a prominent leader in the marine industry.

What started as a single two-stroke outboard in 1956, has now developed into one of the largest outboard manufacturers in Japan, providing boaters with a full line of engines from 2.5ps to 250ps. Although Tohatsu outboards are equipped with some of the most cutting-edge technology available, Tohatsu knows that it is simply the outboard's reliability that continues to keep our clients loyal 60 years later.

Equipped with superior technology and a level of dependability that just won't quit, you can feel confident placing your trust in Tohatsu over the next 60 years.

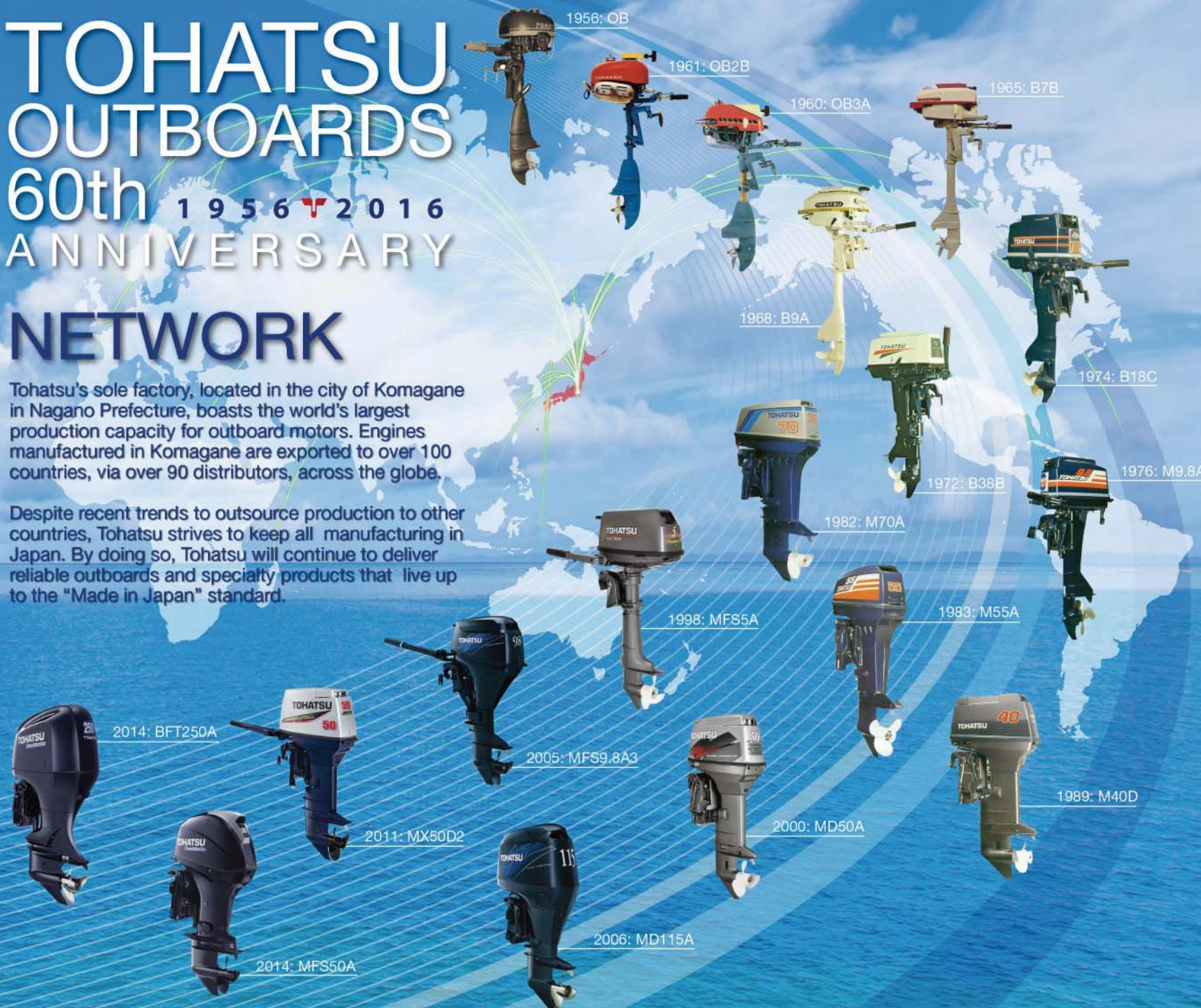
 **TOHATSU**



# TOHATSU OUTBOARDS 60th 1956-2016 ANNIVERSARY NETWORK

Tohatsu's sole factory, located in the city of Komagane in Nagano Prefecture, boasts the world's largest production capacity for outboard motors. Engines manufactured in Komagane are exported to over 100 countries, via over 90 distributors, across the globe.

Despite recent trends to outsource production to other countries, Tohatsu strives to keep all manufacturing in Japan. By doing so, Tohatsu will continue to deliver reliable outboards and specialty products that live up to the "Made in Japan" standard.



## HISTORY AND QUALITY

Tohatsu manufactured its first outboard motor, a two-stroke 1.5ps engine, in 1956. Over the years, Tohatsu began to develop larger horsepower outboards, and new environmentally friendly technology. In 1998, Tohatsu introduced its first four-stroke, which was a 5ps outboard. In 2000, TLDI technology, also known as Two-stroke Low pressure Direct injection, was introduced into the market. Current Tohatsu production includes four-stroke motors, from 2.5ps through 50ps, and TLDI motors from 25ps through 115ps for all markets. Tohatsu also continues to produce conventional two-stroke outboards, from 2.5 through 115ps, for many countries. As pioneers in Japanese outboard motor manufacturing, our high quality, durable, environmentally friendly products are highly acclaimed by customers in every country. Tohatsu is committed to introducing new products and technology into the market, as the times and needs of our customers evolve.





# 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.**



## **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.

\*Only for BFT250/225



## **TOCS (Tohatsu Onboard Communication System)**

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



Tachometer



Speedometer



Trim Meter



Fuel Meter



Volt Meter



**FourStroke**

# SUPER POWER

EXCITING SPEED AND POWER

## BFT



### 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. (\*only for BFT250)



### 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.



# 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.*



## 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.

\*Only for BFT150



## TOCS (Tohatsu Onboard Communication System)

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



Tachometer



Speedometer



Trim Meter



Fuel Meter



Volt Meter



# FourStroke



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

A powerful compact 16 valve Double Overhead Cam [DOHC] design. 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.

# SLEEK

SMOOTH AND POWERFUL

# BFT



# BFT 90/75/60



**BFT90, BFT75, BFT60 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.**



## **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.

\*Only for BFT90



## **TOCS (Tohatsu Onboard Communication System)**

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



Tachometer



Speedometer



Trim Meter



Fuel Meter



Volt Meter



# VERSATILE AND DEPENDABLE

## BFT



### FourStroke



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

A powerful compact 16 valve Double Overhead Cam [DOHC] design. 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.

\*BFT60 is 12 valve Single Overhead Cam [SOHC].



#### Multi Function Tiller Handle

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.



# MFS50/40



## Lightest weight in its class

*MFS50/40 consist of 3 concepts, Lightweight, ECO and Sporty.*

*They are the lightest weight in their class and offer exceptional fuel performance to save the petrol cost and proven technologies for worry-free boating. They deliver comfortable cruise to all boaters.*



### 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.



### Variable Idling Control

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



### Water Flushing System

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



### TOCS (Tohatsu Onboard Communication System)

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



Tachometer



Speedometer



Trim Meter



Fuel Meter



Volt Meter





# SUPREME

GREATER LOOK, GREATER PERFORMANCES, GREATER USABILITY

**FourStroke**

***MFS40/50 achieved 5,000km expedition***

MFS40/50 have achieved a complete 5,000 km operation under extreme conditions without any machine trouble in Lena River (Russia). This expedition also proves that MFS40/50 delivers excellent durability and performance.



# MFS30/25

*Despite lightweight and compact, MFS30/25 deliver powerful performance. They are equipped with the industry's first technologies, Battery-less Electronic fuel injection, and renewed the upper and lower cowl design, and gear ratio since 2015.*



## Battery-Less Electronic Fuel Injection

The 30 ps and 25 ps have the industry's first battery-less electronically controlled fuel injection that provides quick throttle response, excellent fuel economy and very smooth rides on the water.



## Variable Idling Control

Idling / Trolling speed can be adjusted in three-rpm ranges (850, 950, 1050 r/min) by pressing a key-switch.



## 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.



## New Gear Ratio

Now offers wide selection of propellers Gear Ratio (26:12 / 2.17) to be capable of using bigger propellers.



## TOCS (Tohatsu Onboard Communication System)

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



Tachometer



Speedometer



Trim Meter



Fuel Meter



Volt Meter



POWERFUL PERFORMANCE, EXCEPTIONAL FUEL ECONOMY  
**ROBUST**



#### Water Flushing System

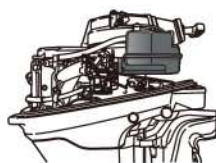
Comes standard with a convenient built-in freshwater flush system that simplifies routine engine flushing.

**FourStroke**



# MFS20/15/9.8/8/6Z

*Powerful, yet lightweight, MFS20/15 are a great choice for many boaters. You can expect the same level of performance that our other engines deliver. Cowling designs have been renewed in 2015, and now offers great performance with greater look. Power tilt can help you, which is available from MFS9.8 to upper models.*



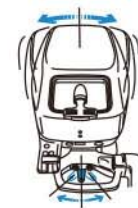
## **Air-silencer system**

Our air-intake system has a large volume air silencer to ensure engine starting and 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.



## **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)





HIGHLY EFFICIENT IN BOTH FUEL AND PERFORMANCE  
**EFFICIENCY**



**Front shift**

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

**FourStroke**



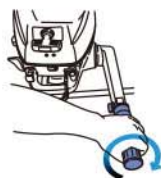
# MFS6SP/6/5/4/3.5/2.5

*MFS6/5/4/3.5/2.5 are portable models. You can carry them easily to go anywhere you want. They consist of user-friendly functions for easier operation. Throttle grip, propeller hub exhaust, and selectable tank deliver great usability. Thus, these models are not only lightweight but also offers finest usability.*



## Propeller hub exhaust

Through-the-prop exhaust is used to achieve nice, quiet running conditions.



## Throttle grip

The twist type throttle control provides quick steering as well as one-handed operation capability.



## Four point dampening system

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



## 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)



## Carrying Handle

Wide and deep carrying handle enables you to carry easily.





# FourStroke

## SP

Designed specifically for sail boaters. This powerful sailboat engine, available in a "long" and an "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

# CONVENIENCE



### Separate Tank

12L separate fuel tank enables you to cruise long distance and long time. It's standard with 5/6 ps.



### 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. An external fuel fitting also comes standard with the 6/5/4 ps models to allow the motor to hook up to a remote fuel tank as well.

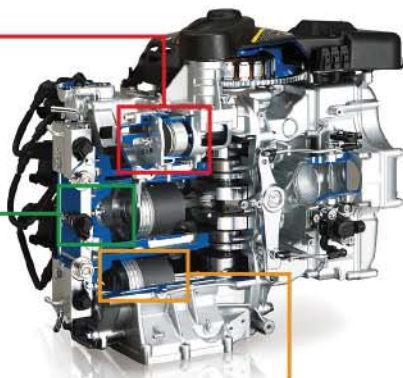


# MD115/90/75/50/40/30



## 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.

## Pistons dedicated to TLDI® outboards

Teflon® coated pistons (Equipped on MD75/90/115) with a concave shape to the head were specifically designed for TLDI® and significantly increase fuel combustion efficiency.



## 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.

\* Only for MD75, 90, 115



## Engine control unit (ECU)

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



## Three step trolling speed control

The idling speed 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.





# MD115/90/75/50/40/30



## Air compressor

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



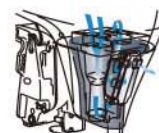
## Direct fuel injection into cylinders



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.

## Pistons dedicated to TLDI® outboards

Teflon® coated pistons (Equipped on MD75/90/115) with a concave shape to the head were specifically designed for TLDI® and significantly increase fuel combustion efficiency.



## 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.

\* Only for MD75, 90, 115



## Engine control unit (ECU)

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



## Three step trolling speed control

The idling speed 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.





# MX50/40/30/25/18/15



Tohatsu EverRun has been built for performance in the toughest commercial environment. We, at Tohatsu Corporation, carried out in-field test with the prototype in various severe markets and environments. The tests have provided us with a lot of tips for the development of the new challenge. Now, we would like to proudly introduce you Tohatsu "EverRun".

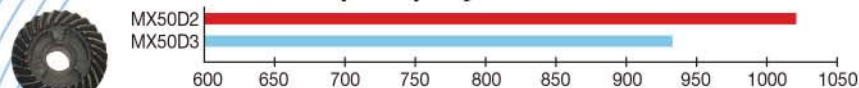
## MX40/50D3 Newly released with following improvements!

### Gear Ratio

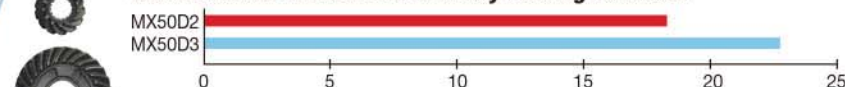
Adopted a newly optimized Gear Ratio (27:13 / 2.08) for improved low end torque and top speed. It gives outstanding performance at heavy loading condition.

\* Only for MX40/50D3

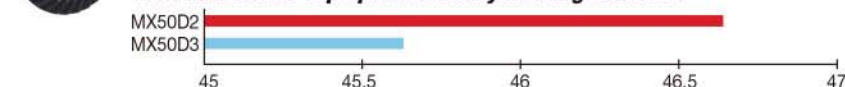
### 10% Increased Transport Capacity



### 4.6 sec. Better Acceleration at Heavy Loading Condition



### 1.06km/h Faster Top Speed at Heavy Loading Condition



### Overheat Warning System

Engine speed will automatically decrease to approx. 3,500rpm, when the engine temperature rises too high.

\* Only for MX40/50D3



### Tilt Handle Air Intake Plate

Adopted a newly designed tilt handle to avoid water ingress through the air intake.

\* Only for MX15/18E2, MX40/50D3



### Carrying Handle Grip

Handle grip added on carrying handle. It also covers throttle wires for protection.

\* Only for MX40/50D3



### Propeller Shaft Housing

Adopted 2 pieces of oil seal to increase water sealing performance of gear case. Adopted fishing line cutter to protect propeller shaft oil seals from fishing line.

\* Only for MX40/50D3

**NEW**  
MX50/40D3





**EverRun**

# FOR PROFESSIONALS

*Its durability and reliability provide a high performance in every fields.*



#### Anti-Cavitation Plate

Increased thickness of the plate against bending or cracking from striking underwater object.

\* Only for MX40/50D3



#### Anti-Splash Plate

Anti-splash plate increases performance of diverting water away from powerhead and mid section.

## TWO STROKE



# TWO STROKE



*M140/115/90/70/70CX PRO/60/50/40/30/25/25JetDrive/  
18/15/9.9/9.8/8/6/5/4/3.5B/3.5A/2.5A*

## PROVEN TECHNOLOGY & RELIABLE PERFORMANCE

Tohatsu modern outboard motor is generally called upon to fill one of the two roles - that of a leisure craft engine or that of a commercial engine used in such industries as fishing or transport. Because of this, it must have the ease of handling, speed, and attractive design to appeal to the leisure boater. For commercial applications, on the other hand, quick starts, dependability, durability, ease of maintenance and energy efficiency are the main concerns.







# LIGHT WEIGHT & POWERFUL

*Inspiring power and speed*

**TWO  
STROKE**



# Genuine Tohatsu Parts and Accessories

**TOCS** (Tohatsu Onboard Communication System)



## Plug and Play marine Gauges



Tachometer



Speedometer



Trim Meter



Fuel Meter



Volt Meter

## Benefits

- 1 Tachometer supports Tohatsu genuine self-diagnostic system and displays the diagnostic result
- 2 LCD data are available in five languages\*1 i.e. English, French, Italian, Spanish, & German
- 3 Pop-Up screens for quick information display and warnings
- 4 Alarm codes with suggested actions
- 5 A single Tachometer can monitor up to five fuel tanks
- 6 System compatible with multiple engines\*2
- 7 Calibration of Fuel Level, Trim, and Speed included
- 8 Initialization mode to assist in gauge set-up
- 9 Superior Sunlight readable display

\*1 Some features not supported

\*2 Up to four engines

## Sample Images



Nighttime mode



LCD display color  
You can choose from 11 different colors

## TOCS Starter Kit (3KY-72637-0)



Basic starter kit includes, Engine drop cable, Battery cable, Terminator (Female and Male), Tee Connector and Tachometer, and Operation Manual.  
In case other gauges are needed, you can just plug in the additional gauge to display.

## Applicable Models

MFS25/30C (\*): Applicable for serial no. 067991AD and above  
MFS40/50A: Applicable for serial no. 013179AE and above  
MD30/40/50B2: Applicable for serial no. 004743AE and above  
MD75/90C2: Applicable for serial no. 011819AE and above  
MD115A2: Applicable for serial no. 011828AE and above  
BFT Model: Applicable for all serial no.

(\*): also requires Interface Cable (3KY-76133-0) for connection between ECU and engine drop cable.

## Details

PARTS NO.	DESCRIPTION
3KY-72637-0	TACHOMETER KIT (includes Harness and operation manual)
3KY-72672-0	SPEEDOMETER KIT (includes Harness for SPEED)
3KY-72523-0	TRIM METER KIT (includes Harness with 4 pins)
3KY-72600-0	FUEL METER KIT (includes Harness with 4 pins)
3KY-72531-0	VOLT METER KIT (includes Harness with 4 pins)

## Gauges & Meters

Premium Stylish Gauges. White or black face dial with polished stainless steel bezel, high visibility red pointer and dome glass lens.



### Tachometers

These 190mm(4") 7,000 max Tachometer are available with warning lamp.  
For MFS40/50 and TLDI warning lamp includes: Oil Level, Engine Temperature and battery.  
For 4-Stroke warning lamp include: Low Oil Pressure.  
For 4-Stroke Tachometer can be used on all electric start models by using select 4, 6 or 12 pole switch on rear of meter.  
All gauges include lead wire, mounting hardware included.

Part Number	Color	Models
3GF-72647-1	Black	MFS40/50A & TLDI Model
3GL-72647-1	White	MFS40/50A & TLDI Model
3AC-72638-1	Black	4-Stroke & 2-Stroke Auto Mixing Oil Model
3AD-72638-1	White	4-Stroke & 2-Stroke Auto Mixing Oil Model



### Speedometers

These Speed Meter with in M.P.H. and Km/h. Includes vinyl pipe, sender and hardware.

Part Number	Color	Description
3GF-72672-0	Black	60mph 4" Diameter
3GL-72672-0	White	60mph 4" Diameter



### Water Pressure Meter

Monitors your cooling water pressure. Includes vinyl pipe and installation hardware.

Part Number	Description
3GF-72598-0	2" Diameter 0-10 PSI Black
3GL-72598-0	2" Diameter 0-10 PSI White



### Trim Meter

Magnetic type gauge shown angle for optimum performance and efficiency. 2" diameter. Includes installation hardware. For use 2-wire senders.

Part Number	Description
3GF-72571-0	For 2-wire sender Black
3GL-72571-0	For 2-wire sender White



### Hour Meter

Indicates readout LCD the number of hours your outboard motor has been operated to indicate when periodic services are necessary.

Part Number	Description
3GF-72524-0	2" Diameter Black
3GL-72524-0	2" Diameter White



### Fuel Gauge

This 2" Fuel Gauge can help you monitor fuel level. Connects easily using your boat's fuel sending unit harness.

Part Number	Description
3GF-72596-0	2" Diameter Black
3GL-72596-0	2" Diameter White



### Volt Meter

Monitors your charging system. Includes harness and installation hardware.

Part Number	Description
3GF-72529-0	2" Diameter Black
3GL-72529-0	2" Diameter White

## Multi Function Tiller



Part Number	Applicable Models
3GF063000-1	MD40/50B2
3NV063000-0	MFS25/30C
3KY063000-0	MFS40/50A



## Propellers

The propeller selection chart can be used to help you in selecting the correct propeller for your Tohatsu outboard. Remember that in any application, discrepancies in performance can result due to the different boat hull designs, the final carrying load and your particular needs.



Model	Propeller Dia		Pitch	Material	Standard Propeller				Part Number
	mm	in			M2.5A2	M3.5A2	M3.5B2	MFS2.5B3.5B	
M2.5/3.5A2/ 3.5B2 (2-Stroke) & MFS2.5B3.5B (4-Stroke)	188	7.4	4.5	Plastic	●		●	●	314B64103-0
	188	7.4	6	Plastic	(S,L)	(S,L)			309-64106-0
	188	7.4	7	Plastic	●		(S,L)	(S,L)	3F0-64101-0
	188	7.4	6	Aluminum	●	●			309B64107-0
M4C & 5B (2-Stroke) & MFS4/5/6C/ 6CSP (4-Stroke)	188	7.4	6	Aluminum			●	●	3F0B64512-0
	212	8.3	6	Aluminum	●	●	●	(L,L)	303B64512-1
	200	7.9	6	Aluminum	●	●	●	(L,L)	3B2B64513-1
	198	7.8	7	Aluminum	●	●	(S,L)	●	3R1B64514-1
M6/8/9.8B (2-Stroke) & MFS8/9.8A3 (4-Stroke)	198	7.8	8	Aluminum	(S,L)	(S,L,L)	●	(S,L)	3R1B64516-1
	200	7.9	9	Aluminum	●	●	●	●	369B64518-1
	221	8.7	5	Aluminum	●	●	●	●	3V1B64510-0*
	216	8.5	6.5	Aluminum	●	●	(L)	●	3B2B64513-1
M6/8/9.8B (2-Stroke) & MFS8/9.8A3 (4-Stroke)	226	8.9	7	Aluminum	(L,L)	●	●	●	3B2B64514-1
	216	8.5	7	Aluminum	●	●	●	●	3V1B64514-0*
	216	8.5	7.5	Aluminum	●	(L,L)	●	(S,L,L)	3B2B64515-1
	226	8.9	8.3	Aluminum	(S)	(S)	●	(S)	3B2B64517-1
M6/8/9.8B (2-Stroke) & MFS8/9.8A3 (4-Stroke)	226	8.9	10	Aluminum	●	●	●	●	3B2B64519-1

● = Optional \* = 4 Blades

Model	Propeller Dia		Pitch	Material	Standard Propeller					Part Number
	mm	in			M9.9/15D2	M18E2	MX15E2	MX18E2	MFS15/20D	
M9.9/15D2/ 18E2/ MX15/18E2 (2-Stroke) & MFS15/20D (4-Stroke)	234	9.2	6	Aluminum	●	●	●	●	●	362B64107-1
	234	9.2	7	Aluminum				●	●	362B64105-1
	254	10.0	7	Aluminum					●	3Z0B64514-3*
	241	9.5	8	Aluminum	(L,L)	(L)	(L)	(L)	●	3B8B64516-1
M25/30H/ MX25/30H (2-Stroke) & MFS25/30C (4-Stroke)	235	9.3	9	Aluminum	(S)	(S,L)	(S)	(S,L)	(L)	3B8B64518-1
	235	9.3	10	Aluminum	●	●	●	●	(S)	3B8B64521-1
	235	9.3	11.5	Aluminum	●	●	●	●	(S)	3B8B64524-1
	260	10.2	8	Aluminum	●			●		346B64106-5
M25/30H/ MX25/30H (2-Stroke) & MFS25/30C (4-Stroke)	247	9.7	9	Aluminum	(L)	●	(L)	(L)		3R0B64518-0
	247	9.7	10	Aluminum	●	(L)		●		3R0B64521-0
	249	9.8	11	Aluminum	(L)	●		(L)		3R0B64523-0
	249	9.8	12	Aluminum	●	(S)		●		3R0B64525-0
M25/30H/ MX25/30H (2-Stroke) & MFS25/30C (4-Stroke)	244	9.6	13	Aluminum	(S)	●		(S)		3R0B64527-0
	252	9.9	14	Aluminum	●	●		●		349B64529-1

● = Optional \* = 4 Blades

Model	Propeller Dia		Pitch	Material	Standard Propeller Size							Part Number
	mm	in			M40/50D3	M40D2	M50D2	MD40B2	MD50B2	MFS40A	MFS50A	
M40/50D2/ MX40/50D3 (2-Stroke) & MD40/ 50B2 (TLDI) & MFS40/50A (4-Stroke)	290	11.4	7	Aluminum	●	●	●	●	●	●	●	348B64108-1*
	311	12.2	9	Aluminum	●	●	●	●	●	●	●	3T5B64518-0
	290	11.4	11	Aluminum	●	(S,L,L)	●	●	●	●	●	3T5B64523-0
	283	11.1	12	Aluminum	●		(S,L)	(S,L)	●	●	●	3T5B64525-0
	277	10.9	13	Aluminum	(S,L,L,L)	●	●	(S,L)	(S,L)	(S,L)	●	3T5B64527-0
	279	11.0	14	Aluminum	●	●	●	●	●	●	(S,L)	3T5B64529-0
	278	11.0	15	Aluminum	●	●	●	●	●	●	●	3T5B64532-0
	279	11.0	16	Aluminum	●	●	●	●	●	●	●	3T5B64534-0
	280	11.0	17	Aluminum	●	●	●	●	●	●	●	3T5B64536-0
	356	14.0	9	Aluminum	●							3HKB64518-0
M60/70C/70CX/ 90A2/115/140A2 (2-Stroke) & MD115A2 (TLDI) MD75/90C2 (TLDI)	356	14.0	11	Aluminum	●							3HKB64523-0
	349	13.8	13	Aluminum	●							3HKB64527-0
	343	13.5	15	Aluminum	(L,L)							3HKB64532-0
	337	13.3	17	Aluminum	●			(L,L)				3HKB64536-0
M60/70C/70CX/ 90A2/115/140A2 (2-Stroke) & MD115A2 (TLDI) MD75/90C2 (TLDI)	335	13.2	19	Aluminum	●							3HKB64541-0
	335	13.2	21	Aluminum	●							3HKB64545-0

● = Optional \* = 4 Blades

## Control Boxes

Our Side Mount and Binnacle Mount control boxes are designed to provide remote throttle & shift control for Tohatsu outboards.

### Side Mount Remote Control Box

Designed for Tohatsu outboards. Standard features include a fast warm-up lever, Key type ignition switch, an emergency stop switch, choke switch, PTT Switch (as selected models) and 6.3M (21FT) wiring harness.

Part Number	Description	Models
3ACQ84330-0	RC5A	MFS25/30 (4-Stroke) M40-90 (2-Stroke) with PTT M40-90 (2-Stroke) without PTT
3B7Q84340-3	RC5B	MFS15-30 (4-Stroke)
3B7Q84350-3	RC5C	MFS8-9 (4-stroke)
3B7Q84360-1	RC5D	M8B-30H (2-Stroke) with electric starter MFS4-30 (4-Stroke)
3C7Q84370-2	RC5E	M4C-30H (2-Stroke) without electric starter
3GFQ84500-0	RC5F	M115/120/140A2 (2-Stroke) MFS40/50A (4-Stroke) MD30/40/50/75/90/115 (TLDI)



Single Top Mount Controls  
(Right Hand Lever)

Single Top Mount Controls  
(Left Hand Lever)



Dual Top Mount Controls

Flush Mount Controls

### TOP MOUNT CONTROLS

Part Number	Description
3U1-84490-0	Single Top Mount Controls (Right Hand Lever)
3T1-84490-0	Single Top Mount Controls (Left Hand Lever)
3U1-84540-0	Dual Top Mount Controls

### FLASH MOUNT CONTROLS

Part Number	Description
3U1-84600-0	Flush Mount Controls (SL3F)

Note: For detailed information of Tohatsu Parts & Accessories, Please contact your local dealer.

## Rigging Kits



### Side Mount type Pre-rig kits

Part Number	Applicable Models
3GLQ84550-1	TLDI Models 2009(XK)~
3KYQ84555-0	MFS40/50A



### TOP/Dual Binnacle type Pre-rig kits

Part Number	Applicable Models
3GM-84550-1	TLDI Models 2009(XK)~
3KY-84556-0	MFS40/50A



# Specifications

## Four Stroke

Model	BFT250	BFT225	BFT200	BFT150	BFT115	BFT90	BFT75	BFT60	BFW60
No. of Cylinder	6			4			3		
Output	250ps (183.9 kw)	225ps (165.5 kw)	200ps (147.1 kw)	150ps (110.3 kw)	115ps (84.6 kw)	90ps (66.2 kw)	75ps (55.2 kw)	60ps (44.1 kw)	
Displacement	3,583 cm3 [218.6 cu.in.]	3,471 cm3 [211.7 cu.in.]		2,354 cm3 [143.6 cu.in.]		1,496 cm3 [91.3 cu.in.]		998 cm3 [61.0 cu.in.]	
Bore x Stroke	89 x 96 mm [3.5 x 3.8 in.]	89 x 93 mm [3.5 x 3.7 in.]		87 x 99 mm [3.4 x 3.9 in.]		73 x 89.4 mm [2.9 x 3.5 in.]		73 x 79.5 mm [2.9 x 3.1 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	25"		20", 25"					20"	
Fuel	Unleaded Gasoline (87 Pump Octane or higher)								
Recommended Oil	API Standard (SG, SH, SJ) SAE 10W-30								
Fuel Tank	Optional								
Weight*	284 kg (625 lbs)	272 kg (600 lbs)	265 kg (584 lbs)	217 kg (478 lbs)		166 kg (366 lbs)	165 kg (364 lbs)	110 kg (243 lbs)	119 kg (262 lbs)
Alternator Output	12V, 1080W, 90A			12V, 660W, 55A		12V, 528W, 44A		12V, 264W, 22A	
Model	BFT250	BFT225	BFT200	BFT150	BFT115	BFT90	BFT75	BFT60	BFW60
PGM-FI®	S	S	S	S	S	S	S	S	S
BLAST®	S	S	S	S	S	S	S	S	S
ECOMO®	S	S	S	S	S	S	S	S	S
Variable Valve Timing & Lift Control	S	S	-	S	-	S	-	-	-
Compatible with TOCS	S	S	S	S	S	S	S	S	S
Power Thrust Gear Case	-	-	-	-	-	-	-	-	S

\*Weight Specification is based on the lightest version.

LEGEND S ••••• Standard Features

O ••••• Optional or Certain Models

Specifications are subject to change without notice.

## Four Stroke

Model	MFS50		MFS40		MFS30		MFS25		MFS20		MFS15		MFS9.8		MFS8		MFS6Z		MFS6 SP		MFS6		MFS5		MFS4		MFS3.5		MFS2.5			
No. of Cylinder	3								2								1								1							
Output	50 ps (36.8 kw)		40 ps (29.4 kw)		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)		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	866 cm3 (52.9 cu.in.)				526 cm3 (32.09 cu.in.)				351 cm3 (21.41 cu.in.)				209 cm3 (12.8 cu.in.)				123 cm3 (7.5 cu.in.)				123 cm3 (7.5 cu.in.)				86 cm3 (5.2 cu.in.)							
Bore x Stroke	70 x 75 mm (2.4 x 2.36 in.)				61 x 60 mm (2.4 x 2.36 in.)				61 x 60 mm (2.4 x 2.36 in.)				55 x 44 mm (2.17 x 1.73 in.)				59 x 45 mm (2.32 x 1.77 in.)				59 x 45 mm (2.32 x 1.77 in.)				55 x 36 mm (2.17 x 1.42 in.)							
Max. RPM Range	5,000 - 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								4,500 - 5,500 r/min				4,500 - 5,500 r/min		5,000 - 6,000 r/min		4,500 - 5,500 r/min					
Starting	Electric			Electric & Manual or Manual					Electric & Manual or Manual								Manual				Manual											
Control Type	Remote Control or Tiller Handle								Remote Control or Tiller Handle								Tiller Handle or Opt. Remote Control				Tiller Handle or Opt. Remote Control				Tiller Handle							
Gear Shift	Forward - Neutral - Reverse								Forward - Neutral - Reverse								Forward - Neutral - Reverse				Forward - Neutral											
Gear Ratio	2.08:1				2.17:1				2.15:1				2.08:1				2.15:1				2.15:1											
Propeller Selection Range	7" - 17"				8" - 14"				6" - 11.5"				5" - 10"				6"		6" - 9"		6" - 9"				4.5" - 7"							
Transom Height	15", 20"				15", 20"				15", 20"				15", 20", 25"		15", 20"		20", 25"		15", 20"		15", 20"											
Fuel	Unleaded Gasoline (87 Octane)								Unleaded Gasoline (87 Octane)								Unleaded Gasoline (87 Octane)															
Recommended Oil	Tohatsu 4stroke Outboard Motor Oil								Tohatsu 4 stroke Outboard Motor Oil								Tohatsu 4 stroke Outboard Motor Oil															
Fuel Tank	25 Lit (6.6 US Gal.) Separate Tank								12 Lit (3.2 US Gal.) Separate Tank								12 Lit (3.2 US Gal.) Separate Tank		12 Lit (3.2 US Gal.) Separate Tank and/or 1.15 Lit (0.3 US Gal.) Integral Tank		12 Lit (3.2 US Gal.) Separate Tank and/or 1.15 Lit (0.3 US Gal.) Integral Tank				1 Lit (0.26 US Gal.) Integral Tank							
Weight*	95 kg (209 lbs)				71.5 kg (158 lbs)				52 kg (114.6 lbs)				37 kg (81.5 lbs)				26.6 kg (59 lbs)		25.6 kg (57 lbs)		25.6 kg (57 lbs)		25.6 kg (57 lbs)		26.1 kg (58 lbs)		18.4 kg (41 lbs)					
Alternator Output	12V, 252W, 21A				12V, 180W, 15A				12V, 145W, 12A				12V, 80W, 6A**				12V, 60W, 5A		Opt. 12V, 60W, 5A		Opt. 12V, 60W, 5A				N/A							
Compatible with TOCS	S		S		S		S		-		-		-		-		-		-		-		-		-		-					

\*Weight Specification is based on the lightest version.

LEGEND S ••••• Standard Features

O ••••• Optional or Certain Models

Specifications are subject to change without notice.



## Two Stroke

Model	M140	M115	M90	M70CX	M70	M60	M50	M40	M30	M25	M25 Jet Drive	M18	M15	M9.9	M9.8	M8	M6	M5	M4	M3.5B	M3.5A	M2.5	
No. of Cylinder	4		3										2						1				
Output	140 ps (103 kw)	115 ps (84.6 kw)	90 ps (66.2 kw)	70 ps (51.5 kw)		60 ps (44.1 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)	9.9 ps (7.3 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	1768 cm3 (107.9 cu.in)		1267 cm3 (77.3 cu.in)	938 cm3 (57.2 cu.in)		697 cm3 (42.5 cu.in)			429 cm3 (26.3 cu.in)		294 cm3 (17.9 cu.in)	247 cm3 (15.1 cu.in)		169 cm3 (10.3 cu.in)			102 cm3 (6.2 cu.in)		74.6 cm3 (4.6 cu.in)				
Bore x Stroke	88 x 72.7 mm (3.46 x 2.86 in)		86 x 72.7 mm (3.39 x 2.86 in)	74 x 72.7 mm (2.91 x 2.86 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)			55 x 43 mm (2.17 x 1.69 in)		47 x 43 mm (1.85 x 1.69 in)				
Max. RPM Range	5,200 - 5,700 r/min		5,000 - 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	5,200 - 5,600 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		4,200 - 5,300 r/min	3,800 - 5,200 r/min	
Starting	Electric						Electric & Manual		Electric & Manual or Manual		Manual		Electric & Manual or Manual				Manual						
Control Type	Remote Control						Remote Control or Tiller Handle				Tiller Handle		Remote Control or Tiller Handle	Tiller Handle									
Gear Shift	Forward - Neutral - Reverse																		Forward - Neutral		Forward Only		
Gear Ratio	2.0:1		2.33:1		1.85:1			1.92 : 1		1 : 1		1.85 : 1			2.08 : 1			2.15 : 1		1.85 : 1		2.15 : 1	
Propeller Selection Range	9" - 21"						7" - 17"			8" - 14"		-		6" - 11.5"			6.5" - 9.5"			6" - 9"		4.5" - 7"	4.5" - 6"
Transom Height	20", 25"				20"		15", 20"		15", 20", 22"		20"		15", 20"										
Fuel	Automixing (Variable 120:1 - 50:1)						Automixing or Pre-Mix (50 : 1)		Pre-Mix (50 : 1)														
Recommended Oil	Tohatsu Super Gold																						
Fuel Tank	25 Lit Separate Fuel Tank														12 Lit Separate Tank			5hp: 2.5 Lit Integral Tank and 12 Lit Separate Tank 4hp: 2.5 Lit Integral Tank			1.4 Lit Integral Tank		
Weight*	164 kg (362 lbs)		135 kg (298 lbs)	105.5 kg (233 lbs)	103 kg (227 lbs)	115 kg (254 lbs)	72 kg (159 lbs)		51 kg (112 lbs)		59 kg (130 lbs)	41 kg (90 lbs)			26 kg (57 lbs)			20 kg (44 lbs)		13 kg (29 lbs)	12.5 kg (28 lbs)		
Alternator Output	12V, 330W, 27.5A		12V, 130W, 11A						12V, 80W 7A							12V, 80W 7A**			OPTIONAL 12V, 60W 5A		N/A		
Compatible with TOCS																							

\*Weight Specification is based on the lightest version.

\*\*Alternator on Certain Models

LEGEND S \*\*\*\*\* Standard

Specifications are subject to change without notice.

## TLDI

Model	MD115	MD90	MD75	MD50	MD40	MD30
No. of Cylinder	4	3				
Output	115ps (84.6 kw)	90 ps (66.2 kw)	75 ps (56 kw)	50 ps (36.8 kw)	40 ps (29.4 kw)	30 ps (22.1 kw)
Displacement	1768 cm <sup>3</sup> (107.9 cu.in)	1267 cm <sup>3</sup> (77.3 cu.in)		697 cm <sup>3</sup> (42.5 cu.in)		
Bore x Stroke	88 x 72.7 mm (3.46 x 2.86 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					4,750 - 5,750 r/min
Starting	Electric					
Control Type	Remote Control			Remote Control or Tiller Handle		
Gear Shift	Forward - Neutral - Reverse					
Gear Ratio	2.0:1	2.3:1		1.85:1		
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 Outboard Motor Oil					
Fuel Tank	Optional			25 Lit (6.6 US Gal.) Separate Tank		
Weight*	178 kg (392 lbs)	150 kg (331 lbs)		93.5 kg (205.7 lbs)		94.5 kg (208 lbs)
Alternator Output	12V, 490W, 40A			12V, 280W, 23A		
Compatible with TOCS	S	S	S	S	S	S

\*Weight Specification is based on the lightest version.

\*\*Alternator on Certain Models

LEGEND S \*\*\*\*\* Standard

Specifications are subject to change without notice.

## EverRun

Model	MX50		MX40		MX30		MX25		MX18		MX15	
No. of Cylinder	3				2							
Output	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	697 cm <sup>3</sup> (42.5 cu.in)				429 cm <sup>3</sup> (26.2 cu.in)				294 cm <sup>3</sup> (17.9 cu.in)			
Bore x Stroke	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	5,150 - 5,850 r/min								5,200 - 5,800 r/min		4,500 - 5,500 r/min	
Starting	Electric & Manual or Manual				Manual							
Control Type	Tiller Handle											
Gear Shift	Forward - Neutral - Reverse											
Gear Ratio	2.08 : 1				1.92 : 1				1.85 : 1			
Propeller Selection Range	7" - 17"				8" - 14"				6" - 11.5"			
Transom Height	15", 20", 22.5", 25"				15", 20", 25"				15", 20"			
Fuel	Pre-Mix (50 : 1)											
Recommended Oil	Tohatsu Super Gold											
Fuel Tank	25 Lit Separate Fuel Tank											
Weight*	72 kg (159 lbs)				51 kg (112 lbs)				41 kg (90 lbs)			
Alternator Output	12V, 130W 11A				OPTIONAL 12V, 80W 7A							
Compatible with TOCS	-	-	-	-	-	-	-	-	-	-	-	-

Specifications are subject to change without notice.





**TOHATSU CORPORATION**

5-4, Azusawa 3-chome, Itabashi-ku, Tokyo 174-0051 Japan  
Phone: 81-3-3966-3117 Fax: 81-3-3966-0090 [www.tohatsu.co.jp](http://www.tohatsu.co.jp)

