

# OUTBOARD MOTORS 2017



# From Japan to The World

Tohatsu's sole factory, located in the city of Komagane in Nagano Prefecture Japan, 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.

 TOHATSU



# 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.

1956: OB



1961: OB2B



1960: OB3A



1965: B7B



1968: B9A



1974: B18C



1972: B38B



1976: M9.8A



1982: M70A



1983: M55A



1998: MFS5A



2005: MFS9.8A3



2000: MD50A



1989: M40D



2014: BFT250A



2011: MX50D2



2014: MFS50A



2006: MD115A



# 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.

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## 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)

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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

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## 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



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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 Single Overhead Cam [SOHC] 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**

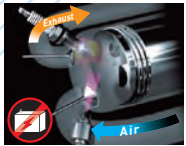
## ***MFS40/50 achieved 5,000km expedition***

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.



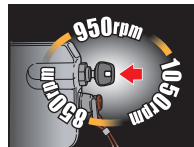
# MFS30/25

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 (12:26 / 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**



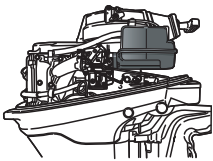
**Water Flushing System**

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

**FourStroke**

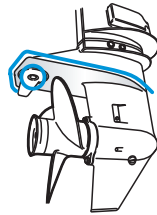
# MFS20/15/9.8/8/6Z

*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.*



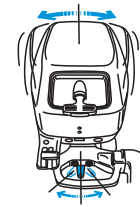
## **Air-silencer system**

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



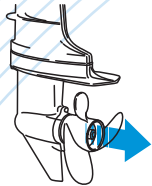
### Front shift

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

**FourStroke**

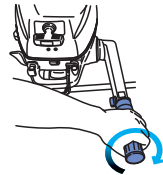
# MFS6SP/6/5/4/3.5/2.5

*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.*



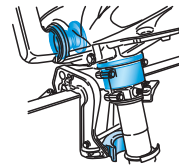
## Propeller hub exhaust

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



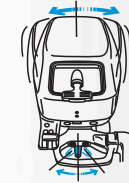
## Throttle grip

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

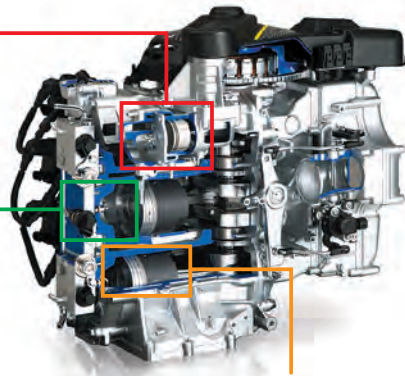
With a built-in fuel tank conveniently located on top, 3.5 and 2.5 becomes ready for cruising quickly and without taking up extra space in the boat. An external fuel fitting also comes standard with the 6/5/4 ps models to allow the motor to hook up to a remote fuel tank as well.

# 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.



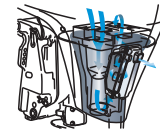
## Direct fuel injection into cylinders



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.



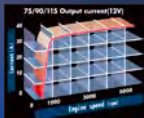
# TLDI

## EXCELLENT HORSEPOWER-TO-WEIGHT RATIO

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

# BEST BALANCE OF POWER AND WEIGHT

INDULGE YOURSELF INTO THE INSPIRING POWER AND SPEED



### High output alternator

Equipped with a high output alternator that produces 37amps of power even at 1,000rpm and a whopping 40amps at wide-open throttle. \* Only for MD75, 90, 115



### Water Flushing System

Comes standard with a convenient built-in freshwater flush system that simplifies routine engine flushing. \* Only for MD75, 90, 115

# 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

### 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.

### 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.

### Details

PARTS NO.	DESCRIPTION
3KY-72638-0	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 198mm(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
3GF063000-2	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	MFS2.5B/3.5B	
M2.5/3.5A2/ 3.5B2 (2-Stroke) & MFS2.5B/3.5B (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
188	7.4	6	Aluminum			●	●	3F0B64512-0	

Model	Propeller Dia		Pitch	Material	Standard Propeller				Part Number	
	mm	in			M4C	M5B	MFS4C	MFS50/6C		MFS6C(SP)
M4C & 5B (2-Stroke) & MFS4/5/6C/ 6C(SP) (4-Stroke)	212	8.3	6	Aluminum	●	●	●	(UL)	●	393B64512-1
	200	7.9	6	Aluminum	●	●	●	(L,UL)	●	3B2B64513-1
	198	7.8	7	Aluminum	●	●	(S,L)	●	●	3R1B64514-1
	198	7.8	8	Aluminum	(S,L)	(S,L,UL)	●	(S,L)	●	3R1B64516-1
200	7.9	9	Aluminum	●	●	●	●	●	369B64518-1	

Model	Propeller Dia		Pitch	Material	Standard Propeller				Part Number	
	mm	in			M6/8B	M9.8B	MFS6A3	MFS8A3		MFS9.8A3
M6/ 8/ 9.8B (2-Stroke) & MFS8/9.8A3 (4-Stroke)	221	8.7	5	Aluminum	●	●	●	●	●	3V1B64510-0*
	216	8.5	6.5	Aluminum	●	●	(L)	●	●	3B2B64513-1
	226	8.9	7	Aluminum	(L,UL)	●	●	●	●	3B2B64514-1
	216	8.5	7	Aluminum	●	●	●	●	●	3V1B64514-0*
	216	8.5	7.5	Aluminum	●	(L,UL)	●	(S,L,UL)	(L,UL)	3B2B64515-1
	226	8.9	8.3	Aluminum	(S)	(S)	●	●	(S)	3B2B64517-1
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,UL)	(UL)	(L)	(S,L,UL)	●	3BAB64516-1
	235	9.3	9	Aluminum	(S)	(S,L)	(S)		(L)	3BAB64518-1
	235	9.3	10	Aluminum	●	●	●	●	(S)	3BAB64521-1
235	9.3	11.5	Aluminum	●	●	●	●	●	3BAB64524-1	

Model	Propeller Dia		Pitch	Material	Standard Propeller Size			Part Number
	mm	in			M25/30H	MX25/30H	MFS25/30C	
M25/30H/ MX25/30H (2-Stroke) & MFS25/30C (4-Stroke)	260	10.2	8	Aluminum	●	●	●	346B64106-5
	247	9.7	9	Aluminum	(UL)	(UL)	(UL)	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
	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			MX40/50D3	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,LLL)	●	●	●	●	●	3T5B64523-0
	283	11.1	12	Aluminum	●	●	(S,L)	(S,L)	●	●	●	3T5B64525-0
	277	10.9	13	Aluminum	(S,LLLL)	●	●	●	(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	

Model	Propeller Dia		Pitch	Material	Standard Propeller Size			Part Number
	mm	in			M60/70C/70CX/90A2	M115/140A2	MD115A2	
M60/70C/70CX/90A2/115/140A2 (2Stroke) & MD115A2 (TLDI) MD75/90C2 (TLDI)	356	14.0	9	Aluminum	●	●	●	3HKB64518-0
	356	14.0	11	Aluminum	●	●	●	3HKB64523-0
	349	13.8	13	Aluminum	●	●	●	3HKB64527-0
	343	13.5	15	Aluminum	(L,UL)	●	●	3HKB64532-0
337	13.3	17	Aluminum	●	(L,UL)	●	3HKB64536-0	
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
3B7Q84340-3	RC5B	MFS15-30 (4-Stroke) M40-90 (2-Stroke) without PTT
3B7Q84350-3	RC5C	MFS8/9.8 (4-stroke)
3B7Q84360-1	RC5D	M8B-30H (2-Stroke) with electric starter MFS4-30 (4-Stroke)
3E0Q84370-0	RC5E	M4C-30H (2-Stroke) without electric starter
3GF084500-0	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 cm <sup>3</sup> [218.6 cu.in]	3,471 cm <sup>3</sup> [211.7 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> [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 (Tohatsu Onboard Communication System)	S	S	S	S	S	S	S	S	S
Power Thrust Gear Case	-	-	-	-	-	-	-	-	S

\*Weight Specification is based on the lightest version.

\*\* Alternator on Certain Models

LEGEND S ●●●●● Standard

Specifications are subject to change without notice.

## Four Stroke

Model	MFS50	MFS40	MFS30	MFS25	MFS20	MFS15	MFS9.8	MFS8	MFS6Z	MFS6 SP	MFS6	
No. of Cylinder	3				2				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)		
Displacement	866 cm <sup>3</sup> (52.9 cu.in)		526 cm <sup>3</sup> (32.09 cu.in)		351 cm <sup>3</sup> (21.41 cu.in)		209 cm <sup>3</sup> (12.8 cu.in)		123 cm <sup>3</sup> (7.5 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)			
Max. RPM Range	5,000 - 6,000 r/min		5,250 - 6,250 r/min	5,000 - 6,000 r/min	5,400 - 6,100 r/min	5,000 - 6,000 r/min						
Starting	Electric		Electric & Manual or Manual			Electric & Manual or Manual			Manual			
Control Type	Remote Control or Tiller Handle				Remote Control or Tiller Handle				Tiller Handle or Opt. Remote Control			
Gear Shift	Forward - Neutral - Reverse											
Gear Ratio	2.08:1		2.17:1		2.15:1		2.08:1		2.15:1			
Propeller Selection Range	7" - 17"		8" - 14"		6" - 11.5"		5" - 10"		6"		6" - 9"	
Transom Height	15", 20"		15", 20"		15", 20"		15", 20", 25"	15", 20"		20", 25"	15", 20"	
Fuel	Unleaded Gasoline (87 Octane)						Unleaded Gasoline (87 Octane)					
Recommended Oil	Tohatsu 4stroke 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	
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)	
Alternator Output	12V, 252W, 21A		12V, 180W, 15A		12V, 145W, 12A		12V, 80W, 6A**		12V, 60W, 5A		Opt. 12V, 60W, 5A	
Compatible with TOCS	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.

## Four Stroke

Model	MFS5	MFS4	MFS3.5	MFS2.5
No. of Cylinder	1			
Output	5 ps (3.7 kw)	4 ps (2.9 kw)	3.5 ps (2.6 kw)	2.5 ps (1.8 kw)
Displacement	123 cm <sup>3</sup> (7.5 cu.in)		86 cm <sup>3</sup> (5.2 cu.in)	
Bore x Stroke	59 x 45 mm (2.32 x 1.77 in)		55 x 36 mm (2.17 x 1.42 in)	
Max. RPM Range	4,500 - 5,500 r/min		5,000 - 6,000 r/min	4,500 - 5,500 r/min
Starting	Manual			
Control Type	Tiller Handle or Opt. Remote Control		Tiller Handle	
Gear Shift	Forward - Neutral - Reverse		Forward - Neutral	
Gear Ratio	2.15:1			
Propeller Selection Range	6" - 9"		4.5" - 7"	
Transom Height	15", 20"			
Fuel	Unleaded Gasoline (87 Octane)			
Recommended Oil	Tohatsu 4 stroke Outboard Motor Oil			
Fuel 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*	25.6 kg (57 lbs)	26.1 kg (58 lbs)	18.4 kg (41 lbs)	
Alternator Output	Opt. 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



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)

