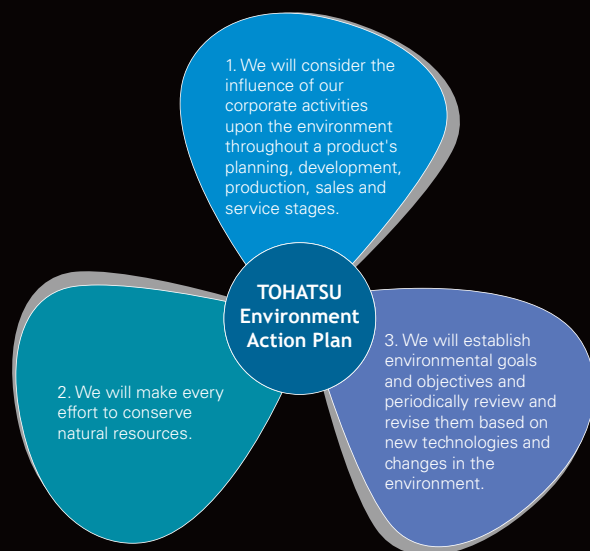


## TOHATSU ENVIRONMENT STATEMENT

Since its foundation in 1922, Tohatsu has always believed that a social contribution is one of the most significant requirements for a company, at any time and in any place. The TOHATSU Group recognizes that preservation of the environment is a global responsibility. We formulated the "TOHATSU ENVIRONMENT ACTION PLAN" as a "Social Contributing Company" and a "responsible member of the society"



TECHNOLOGY FOR THE NEXT GENERATION

**TOHATSU**  
*Outboards*

**2012**  
**INTERNATIONAL**



# DELIVERING RELIABILITY THE WORLD FOR OVER 50 YEARS



Throughout the world, Tohatsu has demonstrated the reliability of their engines, making them one of the world's most reputable and largest outboard manufacturers. With an outstanding team of qualified professionals, creativity and innovation, the company has met and surpassed boater's expectations.

What makes Tohatsu outboards different? A unique vision to provide the best and most reliable outboard. While many manufacturers focus on building higher horsepower engines, Tohatsu's focus is to build the most reliable engine. Through extensive quality and performance testing of each engine, Tohatsu has set itself apart from the competition, ensuring it provides the best quality and technology in the outboard industry.



## Our Brand's New Logo

### Our Corporate Philosophy

Since its foundation in 1922, Tohatsu has always believed that a social contribution is one of the most significant requirements for a company, at any time and in any place. The logo, with its winged shape, symbolizes this corporate philosophy. This wing represents, on the right, our desire for the happiness and growth of all mankind and, on the left, corporate development and contribution to the community, both soaring up into the sky, to seek boundless creativity.

# SUPERIOR MARINE TECHNOLOGY



### Pistons dedicated to TLDI® outboards

Teflon® coated pistons (Equipped on MD 75/90/115) with a concave shape to the head were specifically designed for TLDI® and significantly increase fuel combustion efficiency.



### 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

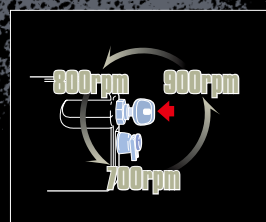


injector is injected near the spark plug to achieve ideal combustion.



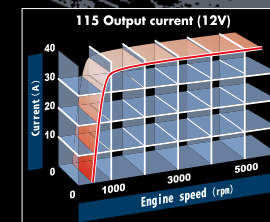
### Air compressor

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



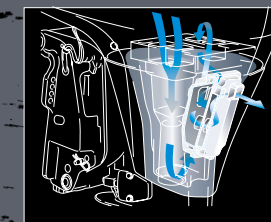
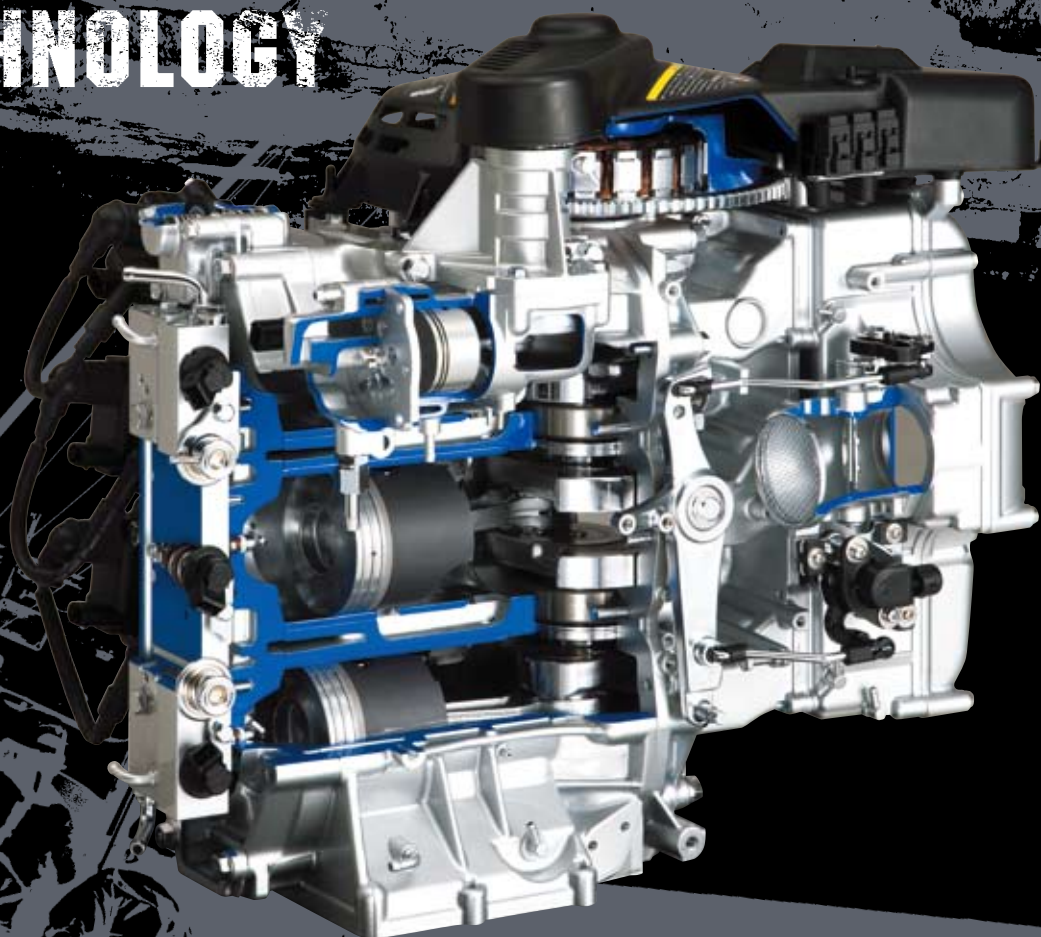
### Three step trolling speed control

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.



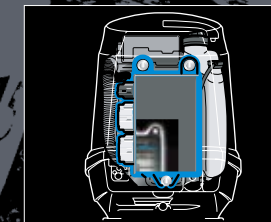
### High output alternator

Equipped with a high output alternator that produces 37amps of power even at 1,000rpm and a whopping 40amps at wide-open throttle. <115hp only>



### 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. <115hp only>



### Engine control unit (ECU)

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



Be Confident, knowing you have a reliable engine that will last a long time.

# CONFIDENCE

## TLDI MD115

### Tohatsu TLDI® 115 benefits:

- Uniquely designed cowling with extra internal layering to provide a much quieter operation than conventional 2-stroke outboards
- Equipped with a high output alternator that produces 37 amps of power even at 1000rpm and a whopping 40 amps at 3500-6000 rpm's
- Comes standard with a convenient built-in freshwater flush system that simplifies routine engine flushing
- Air assisted direct fuel injection system provides excellent fuel economy
- Excellent horsepower-to-weight ratio
- Lightweight and compact
- EPA/CARB and EU emission approved

### High performance and easy operation:

- Inductive ignition system for reliable starting
- Outstanding acceleration
- Electronic oil pump for more precise oil regulation throughout the rpm range
- Oil reservoir opening located on the top of the motor for quicker and easier refill onboard
- Multi-point oil injection system to more completely lubricate vital engine components
- Power Trim & Tilt

### Fundamentals for user convenience and reliability:

- Through-the-prop exhaust for a quieter ride
- Thermostatically controlled cooling system for consistent engine temperature
- Stainless steel water pump housing for outstanding durability
- High grade marine aluminum alloy that provides the ultimate protection against corrosion
- Zinc coating on internal water passages for superior corrosion resistance
- User adjustable idle and trolling speeds

### Warning and protection:

- Low-oil level warning (visual and audible)
- Overheat warning (visual and audible)
- Battery voltage warning (visual only)
- Start-in-gear protection for safer engine starting
- Safety lanyard (an essential protection feature standard on all Tohatsu outboards)
- Over-rev. limiter
- High-altitude compensation kits available. (Option)

*A name you can trust*





Indulge in the exhilarating power and speed

# POWER



## TLDI MD 90/75

### Tohatsu TLDI® 90/75 benefits:

- New high speed gear ratio (MD90)
- Air assisted direct fuel injection system provides excellent fuel economy
- Quiet operation
- Excellent horsepower-to-weight ratio
- Lightweight and compact
- EPA/CARB and EU emission approved

### High performance and easy operation:

- Inductive ignition system for reliable starting
- Outstanding acceleration
- Electronic oil pump for more precise oil regulation throughout the rpm range
- Oil reservoir opening located on the top of the motor for quicker and easier refill onboard
- Multi-point oil injection system to more completely lubricate vital engine components
- Power Trim & Tilt

### Fundamentals for user convenience and reliability:

- Through-the-prop exhaust for a quieter ride
- Thermostatically controlled cooling system for consistent engine temperature
- Stainless steel water pump housing for outstanding durability
- High grade marine aluminum alloy that provides the ultimate protection against corrosion
- Zinc coating on internal water passages for superior corrosion resistance
- User adjustable idle and trolling speeds

### Warning and protection:

- Low oil level warning (visual and audible)
- Overheat warning (visual and audible)
- Battery voltage warning (visual only)
- Start-in-gear protection for safer engine starting
- Safety lanyard (an essential protection feature standard on all Tohatsu outboards)
- Over-rev. limiter
- High-altitude compensation kits available (Option)



*Exceeding expectations*







Rely on its tough exterior for a long-lasting outboard.

# DURABLE

## TLDI MD 50/40

### Tohatsu TLDI® 50/40 benefits:

- Air assisted direct fuel injection system provides excellent fuel economy
- Quiet operation
- Excellent horsepower-to-weight ratio
- Lightweight and compact
- EPA/CARB and EU emission approved

### High performance and easy operation:

- Inductive ignition system for reliable starting
- Outstanding acceleration
- Oil reservoir opening located on the top of the motor for quicker and easier refill onboard
- Multi-point oil injection system to more completely lubricate vital engine components
- Power Trim & Tilt

### Fundamentals for user convenience and reliability:

- Through-the-prop exhaust for a quieter ride
- Thermostatically controlled cooling system for consistent engine temperature
- Stainless steel water pump housing for outstanding durability
- High grade marine aluminum alloy that provides the ultimate protection against corrosion
- Zinc coating on internal water passages for superior corrosion resistance
- User adjustable idle and trolling speeds
- Tachometer and Trim Gauge\*
- Aluminum propeller
- Remote control box\*

### Warning and protection:

- Low oil level warning (visual and audible)
- Overheat warning (visual and audible)
- Battery voltage warning (visual only)
- Start-in-gear protection for safer engine starting
- Safety lanyard (an essential protection feature standard on all Tohatsu outboards)
- Over-rev limiter
- High altitude compensation kits available (Option)

\* Remote control models

*Built strong*





Technology for the Next Generation

# FOUR STROKE



## INDISPUTABLE QUALITY

Tohatsu uses the highest quality components to provide boaters with a high performance, long-lasting and reliable engine. That's why many resorts power their fleet with the Tohatsu brand.





# PERFORMANCE

Experience the unmatched performance for the ultimate ride



*Smooth ride*

## Tohatsu 4-stroke 30/25 benefits:

- Designed with proven technology
- Advanced cross-flow induction for smooth operation
- Canister style oil filter for easy replacement
- Larger capacity oil reservoir for optimum lubrication
- Tuned intake system for crisp takeoffs
- EPA/CARB and EU emission approved

## High performance and easy operation:

- The boating industry's first battery-less, manual start EFI 4-stroke
- Digital CD ignition system for quicker starts
- Large alternator and rectifier for superior battery charging
- Adjustable steering friction\* and trim tab for reducing steering effort
- Front mounted shift lever for easier operation
- Trim settings, 6 positions\*
- Gas assisted tilt (15/20" )\*
- Power trim & tilt\*
- Remote control\*\*

## Fundamentals for user convenience and reliability:

- Through-the-prop exhaust for a quiet ride
- Thermostatically controlled cooling system for consistent engine temperature
- Stainless steel water pump housing for outstanding durability
- High grade marine aluminum alloy that provides the ultimate protection against corrosion
- Zinc coating on internal water passages for superior corrosion resistance
- Decompression device for ease of manual starts
- Plastic 25 liter fuel tank for 30 and 25 include fuel fittings and fuel line
- Aluminum propeller

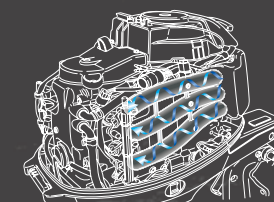
## Warning and protection:

- Low oil pressure warning (visual and audible)
- Overheat warning (audible)
- Safety lanyard (an essential protection feature standard on all Tohatsu outboards)
- Start-in-gear protection for safer engine starting
- Over-rev. limiter

\* Certain models \*\* Remote control models

*Electronic fuel injection*  
**MFS 30/25**

## SMART TECHNOLOGY MFS 30 / 25 Fuel Injection



**Tuned intake manifold**  
The tuned intake manifold provides increased low & mid speed torque and quieter operation.



**Engine control unit**  
The 16 bit ECU precisely controls the fuel injection and ignition timing for 4-stroke engines.



**Battery-less electronic fuel injection**  
The industry's first battery-less electronically controlled fuel injection provides quick throttle response, excellent fuel economy, and very smooth rides on the water.



# EFFICIENT

Highly efficient in both fuel and performance.



## FOUR STROKE



*Great reliability*

### Tohatsu 4-stroke benefits:

- Light and compact
- Designed with proven technology
- Advanced cross-flow induction for smooth operation
- Available in a wide variety of models
- Canister style oil filter for easy replacement <20/15>
- Larger capacity oil reservoir for optimum lubrication
- Tuned intake system for crisp takeoffs
- Greatly reduced induction noise for a quieter ride
- Trim tab reduces steering effort, functioning also as the sacrificial anode that protects the engine from electrolysis
- EPA/CARB and EU emission approved

### Easy operation and handling:

- Digital CD ignition for easier engine starting, quicker throttle response and smoother trolling
- Fast-idle choke system allowing easier manual choke operation <20/15/9.8/8>
- Recoil starter with larger reel making manual starting fast and easy
- Large alternator and rectifier for superior battery charging
- Front mounted shift lever for easier operation
- Remote control models available <20/15/9.8>
- Trim settings, 6 positions\*
- Adjustable steering friction\* for reducing steering effort

### Fundamentals for user convenience and reliability:

- Through-the-prop exhaust for a quieter ride
- Thermostatically controlled cooling system for consistent engine temperature
- Stainless steel water pump housing for outstanding durability
- High grade marine aluminum alloy that provides the ultimate protection against corrosion
- Zinc coating on internal water passages for superior corrosion resistance
- Plastic 12 liter fuel tank include fuel fittings and fuel line with fuel gauge on the cap
- Aluminum propeller

### Protection:

- Low oil pressure warning <20/15>\*
- Low oil pressure indicator <9.8/8>
- Safety lanyard (an essential protection feature standard on all Tohatsu outboards)
- Start-in-gear protection for safer engine starting
- Over-rev. limiter

\* Certain models

MFS 20/15/9.8

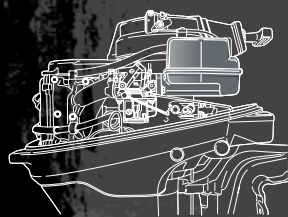
**PowerTilt**

Try our 9.8/15/20hp with power tilt for better operation! This new 4-stroke is perfect for inflatables, small fishing boats and pontoon boats.



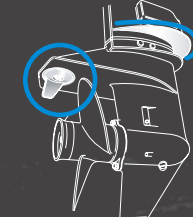
MFS 20/15/9.8/8

### SMART TECHNOLOGY MFS 20/15/9.8/8



#### 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.



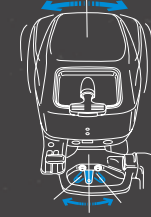
#### Wide anti-cavitation plate with trim tab

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.



#### Front shift

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



#### 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) <20/15/9.8/8>





# CONVENIENT

Benefit from its light and compact design and easy-to-use convenient features



## MFS 6



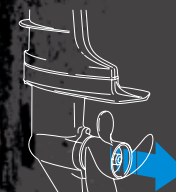
Charging cable included

A perfect choice for sail boats !  
Tohatsu's uniquely designed 6 hp, 4-stroke motor is ideal for sailboats or any marine vessel requiring a 20"/25" shaft outboard motor.  
The light and portable ultralong also includes a 5 amp/12V charging system, charging cable and a high thrust sail drive propeller.



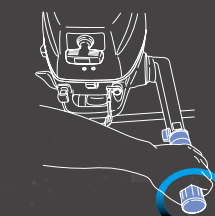
California CARB three star rating for ultra-low emissions.

## SMART TECHNOLOGY MFS 6/5/4/3.5/2.5



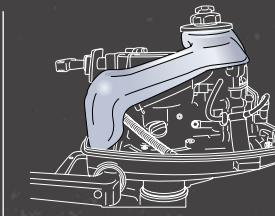
### Propeller hub exhaust

Through-the-prop exhaust is used to achieve nice, quiet running conditions. <6/5/4>



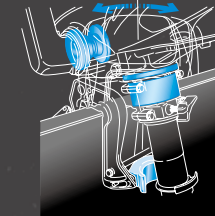
### Throttle grip

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



### 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 4hp model to allow the motor to hook up to a remote fuel tank as well.



### Four point dampening system

The specifically designed motor dampening system reduces vibration at all rpm ranges. <3.5/2.5>

## FOUR STROKE

# Simple operation

### Tohatsu 4-stroke benefits:

- Light and compact
- Designed with proven technology
- Greatly reduced induction noise for a quieter ride
- Sacrificial anode that protects the engine from electrolysis
- EPA/CARB and EU emission approved

### Easy operation and handling:

- Digital CD ignition for easier engine starting, quicker throttle response and smoother trolling
- Fast-idle choke system allowing easier manual choke operation
- Recoil starter with larger reel making manual starting fast and easy
- Shallow water drive <6/5/4>
- Adjustable steering friction for reducing steering effort

### Fundamentals for user convenience and reliability:

- Through-the-prop exhaust for a quieter ride <6/5/4>
- Thermostatically controlled cooling system for consistent engine temperature
- Stainless steel water pump housing liner for outstanding durability
- High grade marine aluminum alloy that provides the ultimate protection against corrosion
- Built-in 1.15 liter or Separate 12 liter fuel tank with fuel fitting and fuel line
- Plastic fuel tank
- 6/5 hp : Built-in 1.15 liter or Separate 12 liter fuel tank with fuel fitting and fuel line
- 4 hp : Built-in 1.15 liter includes fuel connector for use with an optional external fuel tank
- 3.5/2.5 hp : Built-in 1 liter integral tank
- Aluminum propeller <6/5/4>

### Protection:

- Low oil pressure indicator <6/5/4>
- Safety lanyard (an essential protection feature standard on all Tohatsu outboards)
- Start-in-gear protection for safer engine starting <6/5/4>



# TOHATSU OUTBOARDS FROM JAPAN TO THE WORLD

Its durability and reliability provides a high performance in every fields

*Proven technology & Reliable performance*

**2**  
STROKE





# PROVEN TECHNOLOGY & RELIABLE PERFORMANCE

2

STROKE

**NEW**  
**FOR 2012**

**EverRun**

Tohatsu EverRun have 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”



**Built to Work**

## IMPROVEMENTS

- Adopted Loose needle bearings at the end to increase durability
- Improved rust protection inside top-cowl
- Adopted low combustion ratio
- Changed ignition timing
- Optimized carburetor jetting
- Reduced Rattling noise from Coil plate (MX50D2 and MWX50D2 only)
- Reinforced hard chrome plated water pump hardware and impeller key Improved Recoil start rope friction wear (MX50D2 and MWX50D2 only)
- Reinforced chrome plated water pump hardware and impeller key (MWX50D2 only)
- Improved recoil starter rope for wear (MX50D2 and MWX50D2 only)
- Adopted high strength stainless steel bolts for Gear case mount (MX50D2 and MWX50D2 only)
- Improved re-circulation check valve using stainless steel ball
- Changed the shape of the Throttle cable bracket and used SST bolt (MX50D2 and MWX50D2 only)
- Improved clamp screw pad attachment
- Changed to Stainless steel ball for Greece nipple
- Improved Tilt stopper lever (MX50D2 and MWX50D2 only)
- Adopted Non-Resistance spark plug (B8HS10 instead of BR8HS10) and cap
- Improved seal rubber of recoil starter
- Improved attachment of Top cowl seal rubber ends
- Covered Starter lock cable to prevent wear
- Improved Throttle Co-pilot

## SPECIFICATIONS

Model	MWX50D2	MX50D2	MX30H	MX25H	MX18E2
Type	Two Stroke				
Maximum output	HP (kw)	50 (36.8)	30 (22.1)	25 (18.4)	18 (13.2)
Maximum operating range	rpm	5150-5850	5150-5850		5200-5800
Number of Cylinder		3	2		2
Bore x Stroke	mm	68 X 64	68 X 59		60 X 52
Displacement	cc	697	429		294
Engine Lubrication system		Premixed Fuel	Premixed Fuel		Premixed Fuel
Starting system		Manual	Manual		Manual
Spark plug		B8HS-10	B7HS-10		BP7HS-10
Ignition timing		ATDC3°- BTDC18°	ATDC4°- BTDC25°		ATDC3°- BTDC25°
Fuel tank capacity	L	25	25		25
Gear reduction ratio		1.92	1.85	1.92	1.85
Weight	kg	79	S:72 L:73.5	S:51 L:52.5	S:41 L:42
Transom Height	mm	550	S:403 L:530	S:435 L:562	S:435 L:562

The modern outboard motor is generally called upon to fill one of 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. The new functions and mechanism designed into the new TOHATSU MW50 (50PS) makes it the outboard motor to satisfy the needs of bot h types of applications.



The Tohatsu 140, 120, 115, 90, 70, 60, 50 and 40D hp 2-strokes come standard with the following features:  
Tohatsu 2-stroke benefits:  
■ Excellent reliability with proven 2-stroke technology  
■ Simple in design  
■ Fuel & oil automixing for optimum lubrication\*

Easy operation and handling:  
■ Loop charged induction for smooth operation and fuel economy  
■ CD ignition system for quicker starts  
■ Power Trim & Tilt\*  
■ Remote control\*\*  
■ Oil reservoir located on the top of the motor for quick and easy refills\*

Fundamentals for user convenience and reliability:  
■ Through-the-prop exhaust for a quiet ride  
■ Thermostatically controlled cooling system for consistent engine temperature  
■ Stainless steel water pump housing for outstanding durability  
■ High grade marine aluminum alloy that provides the ultimate protection against corrosion  
■ Zinc coating on internal water passages for superior corrosion resistance  
■ Multi-function gauge incorporating a tachometer, an oil level gauge, and a trim meter\*  
■ Aluminum propeller

Warning and protection:  
■ Electronic Safety Governor limits engine rpm to protect the outboard against over-revving  
■ Overheat warning (audible) <40 & 50-Opt.>  
■ Water pressure sensor <140, 120, 115 & 90 only/70 & 60-Opt.>  
■ Safety lanyard (an essential protection feature standard on all Tohatsu outboards)  
■ Start-in-gear protection for safer engine starting

\* Certain models    \*\* Remote control models

The Tohatsu 40c, 30 and 25 hp 2-strokes come standard with the following features:  
Tohatsu 2-stroke benefits:  
■ Excellent reliability with proven 2-stroke technology  
■ Simple in design

Easy operation and handling:  
■ Loop charged induction for smooth operation and fuel economy  
■ CD ignition system for quicker starts  
■ Remote control\*\*

Fundamentals for user convenience and reliability:  
■ Through-the-prop exhaust for a quiet ride  
■ Thermostatically controlled cooling system for consistent engine temperature  
■ Stainless steel water pump housing for outstanding durability  
■ High grade marine aluminum alloy that provides the ultimate protection against corrosion  
■ Zinc coating on internal water passages for superior corrosion resistance  
■ Aluminum propeller

Protection:  
■ Safety lanyard (an essential protection feature standard on all Tohatsu outboards)  
■ Start-in-gear protection for safer engine starting

\*\* Remote control models

The Tohatsu 18, 15, 9.9, 9.8, 8 and 6 hp 2-strokes come standard with the following features:  
Tohatsu 2-stroke benefits:  
■ Excellent reliability with proven 2-stroke technology  
■ Simple in design

Easy operation and handling:  
■ Loop charged induction for smooth operation and fuel economy  
■ CD ignition system for quicker starts  
■ Remote control\*\*

Fundamentals for user convenience and reliability:  
■ Through-the-prop exhaust for a quiet ride  
■ Thermostatically controlled cooling system for consistent engine temperature  
■ Stainless steel water pump housing for outstanding durability  
■ High grade marine aluminum alloy that provides the ultimate protection against corrosion  
■ Zinc coating on internal water passages for superior corrosion resistance  
■ Aluminum propeller

Protection:  
■ Safety lanyard (an essential protection feature standard on all Tohatsu outboards)  
■ Start-in-gear protection for safer engine starting

\*\* Remote control models

The Tohatsu 5, 4, 3.5 and 2.5 hp 2-strokes come standard with the following features:  
Tohatsu 2-stroke benefits:  
■ Excellent reliability with proven 2-stroke technology  
■ Simple in design

Easy operation and handling:  
■ Loop charged induction for smooth operation and fuel economy  
■ CD ignition system for quicker starts  
■ Carrying handle

Fundamentals for user convenience and reliability:  
■ High grade marine aluminum alloy that provides the ultimate protection against corrosion  
■ Zinc coating on internal water passages for superior corrosion resistance  
■ Shifting: Forward (F) - Neutral (N) - Reverse (R) <5 only>  
■ 3.5B hp: F - N with shift lever, R by 360 degree steerability  
■ 3.5A/2.5A hp: F - R by 360 degree steerability  
■ Aluminum propeller (resin propeller on 3.5 & 2.5)  
■ Built-in fuel tank 1.4 liter (3.5 & 2.5)  
■ Built-in fuel tank 2.5 liter (4)  
■ Separate fuel tank with Built-in fuel tank 2.5 liter (5)

Protection:  
■ Safety lanyard (an essential protection feature standard on all Tohatsu outboards)

\* Certain models



# >>> Genuine Tohatsu Parts and Accessories

Tohatsu dealers and Authorized Service Centers provide only genuine Tohatsu parts and accessories designed to maximize your Tohatsu outboard's performance.

## Engine Oil

Genuine Tohatsu Engine Oil is specially formulated to work with all Tohatsu engines, 2-strokes, TLDI and 4-strokes. Tohatsu Genuine Oils contain additional additives and detergents to keep your Tohatsu outboard running at peak performance.



**MD PLATINA OIL**

Part Number	Description	Models
3Y9-72302-0	1L x 20/1 case	TLDI
3Y9-72304-0	4L x 6/1 case	TLDI



**Four Stroke Engine Oil**

Part Number	Description	Models
3AC-72300-0	1L x 20/case	Four Stroke
3AS-72300-0	0.45L x 20/case	Four Stroke




**Super Gold**

Part Number	Description	Models
3C7-72301-0	0.4L x 20/1 case	Two Stroke
3C7-72302-0	1L x 20/1 case	Two Stroke
3C7-72304-0	4L x 6/1 case	Two Stroke
3C7-72303-0	20L x 1/1 case	Two Stroke


## 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 199mm(4") 7,000 max Tachometer are available with warning lamp.  
For TLDI warning lamp include: Oil Level, Engine Temperature, 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-72647-0	Black	TLDI Model
3GL-72647-0	White	TLDI Model
3AC-72640-0	Black	4-Stroke & 2-Stroke Auto Mixing Oil Model
3AD-72640-0	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



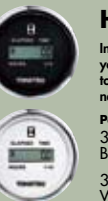
**Trim Meter**  
Magnetic type gauge shown angle for optimum performance and efficiency. 2" diameter. Includes installation hardware. For use 2-wire senders.

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




**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




**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



**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



**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

## 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 mm in	Pitch	Material	Standard Propeller		Part Number		
				M2.5A2	M3.5A2			
M2.5/3.5A2/3.5B2 (2-Stroke) & MFS2.5B/3.5B (4-Stroke)	188	7.4	4.5	Plastic	●	314-64103-0		
	188	7.4	6	Plastic (S,L)	●	309-64106-0		
	188	7.4	7	Plastic	●	3F0-64101-0		
	188	7.4	6	Aluminum	●	309B64107-0		
	188	7.4	6	Aluminum	●	3F0-64102-0		
Model	Propeller Dia mm in	Pitch	Material	M4C	M5B	MFS4C	MFS5/6C	Part Number
M4C & 5B (2-Stroke) & MFS4/5/6C (4-Stroke)	200	7.9	6	Aluminum	●	●	●	393B64512-1
	196	7.7	7	Aluminum	(S,L)	●	(S,L)	3R1B64514-0
	196	7.7	8	Aluminum	●	(S,L,UL)	●	3R1B64516-0
Model	200	7.9	9	Aluminum	●	●	●	369B64518-1
	212	8.0	6	Aluminum	●	●	●	399B64512-1
Model	Propeller Dia mm in	Pitch	Material	M6/8B	M9.8B	MFS8A3	MFS9.8A3	Part Number
M6/8/9.8B (2-Stroke) & MFS8/9.8A3 (4-Stroke)	221	8.7	5	Aluminum	●	●	●	3V1B64510-0*
	216	8.5	6.5	Aluminum	●	●	●	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)
Model	226	8.9	8.3	Aluminum	(S)	(S)	(S)	3B2B64517-1
	226	8.9	10	Aluminum	●	●	●	3B2B64519-1
Model	Propeller Dia mm in	Pitch	Material	M9.9/15D2	M18E2	MFS15C	MFS20C	Part Number
M9.9/15D2/18E2 (2-Stroke) & MFS15/20C (4-Stroke)	234	9.2	6	Aluminum	●	●	●	362B64107-1
	234	9.2	7	Aluminum	●	●	●	362B64105-1
	254	10.0	7	Aluminum	●	●	●	3Z0B64514-3*
	234	9.3	8	Aluminum (L,UL)	(UL)	●	●	3B8B64516-1
	234	9.3	9	Aluminum (S)	(S,L)	(L)	(L)	3B8B64518-1
Model	234	9.3	10	Aluminum	●	●	(S)	3B8B64521-1
	235	9.3	11.5	Aluminum	●	●	●	3B8B64524-1

● = Optiona \* = 4 Blades†

Model	Propeller Dia mm in	Pitch	Material	Standard Propeller		Part Number		
				M25C3/30A4	MFS25/30B			
M25C3/30A4 (2-Stroke) & MFS25/30B (4-Stroke)	260	10.2	8	Aluminum	●	346B64106-5		
	252	9.9	9	Aluminum	●	3R0B64518-0		
	252	9.9	10	Aluminum	(UL)	(UL)	3R0B64521-0	
	252	9.9	11	Aluminum	(L)	(L)	3R0B64523-0	
	252	9.9	12	Aluminum	●	●	3R0B64525-0	
Model	257	10.1	13	Aluminum	(S)	(S)	3R0B64527-0	
	252	9.9	14	Aluminum	●	●	349B64529-1	
Model	Propeller Dia mm in	Pitch	Material	Standard Propeller		Part Number		
M40C (2-Stroke)	290	11.4	7	Aluminum	●	348B64108-0		
	285	11.2	8.5	Aluminum	●	348B64107-0		
	276	10.9	9	Aluminum	●	361B64115-0		
	275	10.8	10	Aluminum	●	361B64109-0		
	268	11.6	11	Aluminum	(S,L,UL)	361B64113-0		
Model	290	11.4	12	Aluminum	●	3T5B64525-0		
	282	11.1	13	Aluminum	●	3T5B64527-0		
Model	Propeller Dia mm in	Pitch	Material	M40D2	M50D2	MD40B2	MD50B2	Part Number
M40/50D2 (2-Stroke) & MD40/50B2 (TLDI)	290	11.4	7	Aluminum	●	●	●	348B64108-0*
	307	12.1	9	Aluminum	●	●	●	3T5B64518-0
	295	11.6	11	Aluminum	(S,L,LL)	●	●	3T5B64523-0
	290	11.4	12	Aluminum	(UL)	(S,L,LL)	(S,L)	3T5B64525-0
	282	11.1	13	Aluminum	●	(UL)	●	(S,L)
Model	282	11.1	14	Aluminum	●	●	●	3T5B64529-0
	279	11.0	15	Aluminum	●	●	●	3T5B64532-0


● = Optiona \* = 4 Blades†

Model	Propeller Dia mm in	Pitch	Material	Standard Propeller				Part Number
				M60/70C/90A	M115/120/140A2	MD70/90B/90C	MD90C**	
M60/70C/90A M115/120/140A2 (2-Stroke) & MD70/90B/90C (TLDI)	355	14.0	11	Aluminum	●	●	●	3N4B64523-1
	355	14.0	13	Aluminum	●	●	●	3N4B64527-1
	349	13.8	15	Aluminum	(L,UL)	●	(L,UL)	3N4B64532-1
	336	13.3	16	Aluminum	●	●	●	3N4B64534-1
	336	13.3	17	Aluminum	●	(L,UL)	●	3N4B64536-1
Model	330	13.0	19	Aluminum	●	●	●	3N4B64541-1
	324	12.8	21	Aluminum	●	●	●	3N4B64545-1
Model	Propeller Dia mm in	Pitch	Material	Standard Propeller				Part Number
MD115A2 (TLDI)	355	14.0	11	Aluminum	●	●	●	3T1B64523-0
	355	14.0	13	Aluminum	●	●	●	3T1B64527-0
	349	13.8	15	Aluminum	●	●	●	3T1B64532-0
	336	13.3	16	Aluminum	●	●	●	3T1B64534-0
	336	13.3	17	Aluminum	●	●	●	3T1B64536-0
Model	330	13.0	19	Aluminum	●	●	●	3T1B64541-0
	324	12.8	21	Aluminum	●	●	●	3T1B64545-0

● = Optiona \* = 4 Blades† MD90C\*\* = Propeller not included

## 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 MFS15-30 (4-Stroke) M40-90 (2-Stroke) without PTT
3B7Q84340-3	RC5B	MFS8/9.8 (4-Stroke) M8B-40C (2-Stroke) with electric starter MFS4-30 (4-Stroke)
3B7Q84350-3	RC5C	M4C-40C (2-Stroke) without electric starter
3B7Q84360-1	RC5D	M4C-40C (2-Stroke) without electric starter
3C7Q84370-2	RC5E	M115/120/140A2 (2-Stroke)
3CFG84500-0	RC5F	MD40/50/70/90/115 (TLDI)


**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.




Single Top Mount Controls (Right Hand Lever)



Single Top Mount Controls (Left Hand Lever)



Dual Top Mount Controls



Flush Mount Controls

## Rigging Kits



**Side Mount type Pre-rig kits**

Part Number	Applicable Models
3GLQ84550-1	TLDI Models 2009(XK)~



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

Part Number	Applicable Models
3GM-84550-1	TLDI Models 2009(XK)~




**Drag Link**  
Specially designed for Tohatsu outboards

Part Number	Description	Models
34A-84905-0	Drag Link J	MFS8/9.8A3 (4-Stroke)
3G2-84905-0	Drag Link G	M9.9D2/15D2/18E2 (2-Stroke)
3E0-84905-0	Drag Link H	MFS15-30B (4-Stroke) & M60/70C/90A/115/120/140A2 (2-Stroke)
346-84905-1	Drag Link C	M25C3/30A4 (2-Stroke)
361-84905-1	Drag Link B	M40C (2-Stroke)
3C8-84910-2	Drag Link E	M40/50D2 (2-Stroke) & MD40/50 (TLDI)


**Vertical Starting Device Kit**  
Converts a manual start from a horizontal to vertical direction pull.

Part Number	Models
369B05911-0	M4C/5B (2-Stroke) & MFS4/5/6B (4-Stroke)
3B2B05911-0	M6/8/9.8B (2-Stroke)



**Remote Control Fitting Kit**  
This R.C. fitting kit is conversion Remote Control steering, throttle and shift from Tiller handle functions.

Part Number	Models
369-83880-2	M4C/5B (2-Stroke)
3B2-83880-3	M6/8/9.8B (2-Stroke)
398-83880-1	M9.9/15D2/18E2 (2-Stroke)
3A1-83880-1	M25C3/30A4 (2-Stroke)
361-83880-3	M40C (2-Stroke)
3AS-83880-1	MFS4/5/6B (4-Stroke)
3GR-83880-0	MFS4/5/6C (4-Stroke)
3V2-83880-0	MFS8/9.8A3 (4-Stroke)
3BQ83880-1	MFS15/20C (4-Stroke)
3AC-83880-0	MFS25/30B (4-Stroke)



**Propeller Hardware Kits**

Part Number	Models
3H6-87326-0	M4C/5B (2-Stroke) MFS4/5/6B (4-Stroke)
3V1-87326-0	M8/9.8B (2-Stroke) MFS8/9.8A3 (4-Stroke)
3V9-87326-0	M9.9/15D2/18E2 (2-Stroke) MFS15/20C (4-Stroke)
3R0-87326-0	M25C3/30A4 (2-Stroke) MFS25/30B (4-Stroke)
3T5-87326-0	M40/50D2 (2-Stroke) MD40/50B (TLDI)



## Fuel Tanks



### Plastic Fuel Tanks

These fuel tank are constructed of High-quality and UL approved.

Part Number	Description
3B2-70167-0	12 Liter (3.1 Gallon)
3C7-70177-1	25 Liter (6.6 Gallon)



### Fuel Connectors (Tank Male)

These male connectors are located on the fuel tank side. Metric thread connectors are stainless steel.

Part Number	Models
3E0-70270-0	All Models



### Fuel Connectors (Tank Female)

These female connectors fit tank end of the hose for quick connect and disconnect

Part Number	Models
3GF-70281-0	All Models



### Fuel Connectors (Engine Male)

These male connectors are located on the engine side, for fuel hose attachment.

Part Number	Models
3B2-70260-1	M5-90 (2-Stroke)
394-70260-0	MFS4-30 (4-Stroke)
3C7-70260-0	M115-140 (2-Stroke)



### Fuel Connectors (Engine Female)

These female connectors fit engine end of the hose for quick connect and disconnect.

Part Number	Models
3GF-70250-0	M5-90hp (2-Stroke) MD40-90B (TLDI)
394-70250-0	MFS4-30 (4-Stroke)
3C7-70250-0	M115-140 (2-Stroke)



### Fuel Line Hoses

Long life, fuel resistant hose has quick connect type fitting on tank and engine end. Includes built in primer bulb in this 2.46m (8 ft)

Part Number	Models
3B7-70200-4	M5-90 (2-Stroke) & MD40-90 (TLDI)
3H6-70200-1	MFS4-30 (4-Stroke)
3E0-70200-1	M115-140 (2-Stroke)

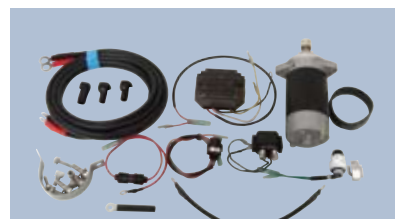
## Repair Kits and Optional Accessories



### Alternator Kits

These Alternator Kits are used installing manual start models. Provides A.C 12V. power. Supplies A.C. current which requires either a regulator for lighting or charging rectifier kits for D.C. battery charging. kits include a alternator, screws and clamp for mounting under flywheel assembly.

Part Number	Description	Models
3H6-06128-0	12V 60W	M4C/5B (2-Stroke) & MFS4/5/6A2 (4-Stroke)
3AS-06128-0	12V 60W	MFS4/5/6B (4-Stroke)
3GR-06128-0	12V 60W	MFS4/5/6C (4-Stroke)
3B2-06128-0	12V 80W	M6/8/9.8B (2-Stroke)
3V1-06128-0	12V 80W	MFS8/9.8A (4-Stroke)
3V2-06128-0	12V 80W	MFS8/9.8A3 (4-Stroke)



### Electric Starter Kits (For Tiller Handle Models)

Part Number	Description	Models
3B2-76300-3	with Flywheel	M6/8/9.8B (2-Stroke)
3V2-76300-0	with Flywheel	MFS8/9.8A3 (4-Stroke)
3G2-76300-2	with Flywheel	M9.9/15D2/18E2 (2-Stroke)
3BJ-76300-0		MFS15/20C (4-Stroke)
3P0-76300-0		M25C3/30A4 (2-Stroke)
361-76300-0		M40C (2-Stroke)
3C8-76300-0		M40/50D2 (2-Stroke)
3AC-76300-0		MFS25/30B (4-Stroke)



### Charging Rectifier Kits

For use with alternator coils, these provide D.C. current for recharging a 12 volt battery. kits include a rectifier, wiring, mounting, bolt, washer and clamp.

Part Number	Models
3H6-76160-0	MFS4/5/6B (4-Stroke)
346-76160-2	M6B through M40C (2-Stroke)
3V2-76160-0	MFS8/9.8A3 (4-Stroke)
3BJ-76160-0	MFS15/20C (4-Stroke)
3C8-76160-2	M40/50D2 (2-Stroke)
3AC-76160-0	MFS25/30B (4-Stroke)



### Electric Starter Kits (For Remote Control Models)

Converts a manual start engine to an electric start.

Part Number	Description	Models
3B2-76100-2	with Flywheel	M8B (2-Stroke)
3K9-76100-0	with Flywheel	M9.8B (2-Stroke)
3G2-76100-3	with Flywheel	M9.9/15D2/18E2 (2-Stroke)
3P0-76000-0		M25C3/30A4 (2-Stroke)
361-76000-1		M40C (2-Stroke)



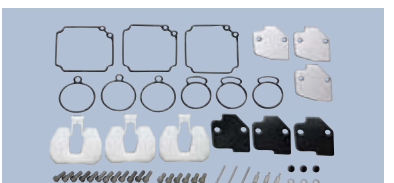
### Water Pump Repair Kits

Water Pump Repair Kits include all necessary replacement water pump. Also available chrome plated water pump repair kits.

Part Number	Models
3AB-87322-0	MFS2.5/3.5B (4-Stroke)
3F0-87322-1	M3.5B2 (2-Stroke)
369-87322-1	M4C/5B/MFS4/5/6B (2 & 4-Stroke)
3B2-87322-1	M6/8B/MFS8/9.8A3 (2 & 4-Stroke)
362-87322-1	M9.9/15D2/18E2 (2-Stroke)
	MFS15/20C (4-Stroke)
	M25C3/30A4/40C (2-Stroke)
	MFS25/30B (4-Stroke)
	M40/50D2 (2-Stroke)
	MD40/50B2 (TLDI)
	M115/120/140A2 (2-Stroke)
	MD70/90B/90C/115A2 (TLDI)

### Chrome Water Pump Repair Kits

Part Number	Models
369-65231-0	M4C/5B/MFS4/5/6B (2 & 4-Stroke)
3B2-65231-1	M6/8/9.8B/MFS8/9.8A3 (2 & 4-Stroke)
362-65231-0	M9.9/15D2/18E2/MFS15/20C (2 & 4-Stroke)
361-65231-0	M25C3/30A4/40C/MFS25/30B (2 & 4-Stroke)
3C8-65231-2	M40/50D2 (2-Stroke)
3F3-65231-1	M60/70C (2-Stroke)
3B7-65231-0	M90A (2-Stroke)
3C7-65231-0	MD70/90B/90C/115A2 (TLDI)
	M115/120/140A2 (2-Stroke)



### Carburetor Repair Kits

Carburetor Repair Kits are include gaskets, float and needle valve.

Part Number	Models
3AB-87122-0	MFS2.5/3.5B (4-Stroke)
3F0-87122-2	M2.5/3.5A2/3.5B2 (2-Stroke)
369-87122-1	M4C/5B (2-Stroke)
3B2-87122-0	M6/8/9.8B (2-Stroke)
3G2-87122-0	M9.9/15D2/18E2 (2-Stroke)
346-87122-0	M25C3/30A4 (2-Stroke)
345-87122-2	M40C (2-Stroke)
3C8-87122-2	M40/50D2 (2-Stroke)
3F3-87122-1	M60/70C (2-Stroke)
3B7-87122-1	M90A (2-Stroke)
3C7-87122-0	M115/120/140A2 (2-Stroke)
3H6-87122-0	MFS4/5/6B (4-Stroke)
3V1-87122-0	MFS8/9.8A3 (4-Stroke)
3B1-87122-0	MFS15/20C (4-Stroke)

## Anodes

Easy to replace Zinc Anodes protect the motor from galvanic corrosion in saltwater environment.



Part Number	Models
338-60218-2	M2.5/3.5A2/3.5B2/25-70 (2-Stroke) M8/9.8B [Old] (2-Stroke) MFS2.5/3.5B (4-Stroke)
3B7-60218-1	MD40/50B2 (TLDI) MD40/50D2 for Manual Tilt (2-Stroke) MD70/90B/90C/115A2 (TLDI)
3H6-60218-0	M4-6 (2-Stroke) MFS4-6 (4-Stroke) M9.9-18 (2-Stroke)
3V9-60218-0	MFS8/9.8A3/15/20C/25/30B (4-Stroke)
369-60218-1	M40D2 through M140A2 for PTT (2-Stroke)
3C7-60218-2	

## Trim Tabs

These Trim Tabs are Sacrificial anode metal protects the engine from corrosion and reduce propeller torque for easier steering.



These Trim Tabs are Sacrificial anode metal protect the engine from corrosion and reduce propeller torque for easier steering.

Part Number	Models
3C8-60217-1	M25C3/30A4/40/50D2 (2-Stroke) MFS25/30B (4-Stroke) MD40/50B2 (TLDI)
3V1-60217-0	MD70/90B/90C/115A2 (TLDI) M4-6 (2-Stroke) MFS4-6 (4-Stroke)
348-60217-0	M9.9-18 (2-Stroke)
3B7-60217-1	MFS8/9.8A3/15/20C/25/30B (4-Stroke) M40C (2-Stroke) MD70/90B/90C/115A2 (TLDI)

## Spark Plugs



Part Number	Description	Models
9701-1-1011	NGK BP6HS10	M2-3.5A2
9701-1-1010	NGK BP7HS10	M4C-9.8B
9701-1-1005	NGK B7HS10	M9.9D2-40D2
9701-1-1009	NGK B8HS10	M50D2-140A2
9701-1-1108	NGK PZFR6H	MD40/50B (TLDI)
9701-1-1103	NGK DCPRE	All 4 stroke models
9701-1-1110	NGK IZFR6Q	MD40/50B2/75/90C2 (TLDI)
9701-1-1109	NGK IZFR5J	MD115A2 (TLDI)

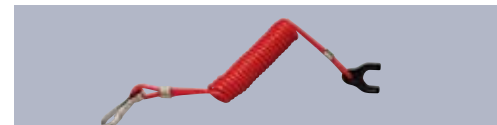
## Miscellaneous



### Engine Flush Attachments

Allows for fresh water hook up to the engine for running at idle or for flushing of cooling passages. Also allows out of water operation for test run and engine adjustment.

Part Number	Applicable Models
336-60007-0	4-30hp (2 & 4-Stroke)
3B7-60007-0	40-140hp (2-Stroke & TLDI)



Safety Lanyard Cords are designed to shut off your outboard in the event the operator falls overboard (lanyard must be properly connected to both the outboard and the operator). Without this important safety feature your outboard would continue to run, without you at the controls. This item is necessary to start your outboard.

Part Number	Applicable Models
353-06821-0	All Models

## Replacement Filters

Tohatsu offers a variety of replacement fuel, air and oil filters to keep your outboard running at peak performance.



### Oil Filter

Part Number	Models
3R0-07615-0	MFS15-30hp (4-stroke)



3AD-02230-0 3T5-10130-0

### Filters

Part Number	Description
3T5-10130-0	Air Filter for Compressor
3GF-10130-0	Air Filter for Compressor
369-02230-0	Fuel Filter
3AD-02230-0	Fuel Filter
3AC-02230-0	Fuel Filter
3C7-02230-0	Fuel Filter
3T5-02230-0	Fuel Filter
346-02230-0	Fuel Filter
3T1-02230-0	Fuel Filter

Applicable Models
MD40/50/70/90B/90C/115A (TLDI)
MD40/50B2/115A2 (TLDI)
M4-9.8 (2-Stroke)
MFS4-9.8/15/20C (4-Stroke)
M9.9D2-30A4/40D2-90A (2-Stroke)
MFS25/30B (4-Stroke)
M115/120/140A2 (2-Stroke)
MD40/50B2/70/90B/90C (TLDI)
M40C (2-Stroke)
MD115A2 (TLDI)



3Y9-02230-0 3Y7-02230-0

### Water/Fuel Separator Filter

Easily connected between your fuel tank and engine, the 10 micron filter traps over 98% of the water that may be present in the fuel tank before it reaches your engine.

Part Number	Description
3Y9-02230-0	Water/Fuel Separator Kit
3Y9-02234-0	Replacement 10 micron filter
3Y7-02230-0	Water/Fuel Separator Kit (UF-10K)
3Y7-02259-0	Replacement Kit



SPECIFICATIONS

	T L D I					F o u r S t r o k e																
Model	MD115	MD90	MD75	MD50	MD40	MFS30	MFS25	MFS20	MFS15	MFS9.8	MFS8	MFS6 Sail Pro	MFS6	MFS5	MFS4	MFS3.5	MFS2.5					
No. of Cylinder	4	3				3	2				1											
Output	115hp (84.6 kw)	90 hp (66.2 kw)	75 hp (55.1 kw)	50 hp (36.8 kw)	40 hp (29.4 kw)	30 hp (22.1 kw)	25 hp (18.4 kw)	20 hp (14.7 kw)	15 hp (11 kw)	9.8 hp (7.2 kw)	8 hp (5.9 kw)	6 hp (4.4 kw)		5 hp (3.7 kw)	4 hp (2.9 kw)	3.5 hp (2.6 kw)	2.5 hp (1.8 kw)					
Displacement	1768 cc (107.9 cu.in.)	1267 cc (77.3 cu.in.)		697 cc (42.5 cu.in.)		526 cc (32.09 cu.in.)		351 cc (21.41 cu.in.)		209 cc (12.8 cu.in.)		123 cc (7.5 cu.in.)				86 cc (5.25 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.)		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)				55 x 36 mm (2.17 x 1.42 in)						
Max. RPM Range	5,150 - 5,850					5,250 - 6,250	5,000 - 6,000	5,400 - 6,100	5,000 - 6,000								4,500 - 5,500		5,000 - 6,000	4,500 - 5,500		
Starting	Electric					Electric & Manual or Manual												Manual		Manual		
Control Type	Remote Control				Remote Control or Tiller Handle				Remote Control or Tiller Handle								Tiller Handle					
Gear Shift	Forward - Neutral - Reverse					Forward - Neutral - Reverse												Forward - Neutral				
Gear Ratio	2.0 : 1	2.3 : 1		1.85 : 1		1.92 : 1		2.15 : 1		2.08 : 1		2.15 : 1				2.15 : 1						
Propeller Selection Range	11" - 21"		7" - 15"		8" - 14"		6" - 11.5"		6.5" - 9.5"		7" - 9"				4.5" - 6"							
Transom Height	20", 25"		15", 20", 25"		15", 20"		15", 20"		15", 20", 25"		20", 25"				15", 20"		15", 20"					
Fuel	Unleaded Gasoline (87 Octane)					Unleaded Gasoline (87 Octane)																
Oil Type	Tohatsu MD Platina Oil					Tohatsu 4Stroke Engine Oil																
Fuel Tank	25 Lit Separate Fuel Tank					25 Lit Separate Tank				12 Lit Separate Tank				12 Lit. Separate Tank or 1.15 Lit. Integral Tank				1.15 Lit. Integral Tank**	1 Lit Integral Tank			
Weight*	178 kg	153 kg		93.5 kg		71.5 kg		51.5 kg		37 kg				26.6 kg		25.6 kg		26.1 kg	18.4 kg			
Alternator Output	12V 490W, 40A	12V 490W, 40A				12V 180W, 15A		12V 145W, 12A		12V 80W, 6A***				12V 60W, 5A		Opt. 12V 60W, 5A				N/A		
Model	MD115	MD90	MD75	MD50	MD40	MFS30	MFS25	MFS20	MFS15	MFS9.8	MFS8	MFS6 Sail Pro	MFS6	MFS5	MFS4	MFS3.5	MFS2.5					
Electronic Fuel Injection	-	-	-	-	-	S	S	-	-	-	-	-	-	-	-	-	-					
Direct Fuel Injection	S	S	S	S	S	-	-	-	-	-	-	-	-	-	-	-	-					
Digital CD Ignition System	-	-	-	-	-	S	S	S	S	S	S	S	S	S	S	S	S					
Inductive Ignition System	S	S	S	S	S	-	-	-	-	-	-	-	-	-	-	-	-					
Start In Gear Protection	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	-	-					
Thermostat Controlled Cooling System	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S					
Through-The-Prop Exhaust	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	-	-					
Shallow Water Drive	-	-	-	-	-	O	O	S	S	S	S	S	S	S	S	-	-					
Oil Pressure Warning	-	-	-	-	-	S	S	S	S	S	S	S	S	S	S	-	-					
Power Trim and Tilt	S	S	S	S	S	O	O	-	-	-	-	-	-	-	-	-	-					
Power Tilt	-	-	-	-	-	-	-	O	O	O	-	-	-	-	-	-	-					
Gas Assist Tilt	-	-	-	-	-	O	O	-	-	-	-	-	-	-	-	-	-					
Variable Idle Speed	700, 800, 900 rpm					-	-	-	-	-	-	-	-	-	-	-	-					

	T w o S t r o k e																								
Model	M140	M120	M115	M90	M70	M60	MW50	M50	M40D	M40C	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	140hp (103 kw)	120hp (88.3 kw)	115hp (84.6 kw)	90hp (66.2 kw)	70hp (51.5 kw)	60hp (44.1 kw)	50hp (36.8 kw)	50hp (36.8 kw)	40hp (29.4 kw)	40hp (29.4 kw)	30 hp (22.1 kw)	25hp (18.4 kw)		18hp (13.2 kw)	15 hp (11 kw)	9.9 hp (7.3 kw)	9.8 hp (7.2 kw)	8 hp (5.9 kw)	6 hp (4.4 kw)	5 hp (3.7 kw)	4 hp (2.9 kw)	3.5 hp (2.6 kw)	3.5 hp (2.6 kw)	2.5 hp (1.8 kw)	
Displacement	1,768 cc (107.9 cu.in.)		1,267 cc (77.3 cu.in.)		938 cc (57.2 cu.in.)		697 cc (42.5 cu.in.)		493 cc (30.1 cu.in.)		429 cc (26.3 cu.in.)		294 cc (17.9 cu.in.)		247 cc (15.1 cu.in.)		169 cc (10.3 cu.in.)		102 cc (6.2 cu.in.)		74.6 cc (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.)		70 x 64 mm (2.76 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			5,000 - 5,500	5,150 - 5,850		5,150 - 5,850	5,150 - 5,850	5,000 - 5,700	5,200 - 5,800	5,150 - 5,850	5,000 - 6,000	5,200 - 5,600	5,200 - 5,800		4,500 - 5,300	5,000 - 6,000	4,500 - 5,500		4,200 - 5,300		3,800 - 5,200			
Starting	Electric						Electric or Manual						Electric & Manual or Manual						Manual						
Control Type	Remote Control						Remote Control or Tiller Handle						Manual Tiller Handle						Tiller Handle						
Gear Shift	Forward - Neutral - Reverse																								
Gear Ratio	2.0 : 1			2.3 : 1			1.92 : 1	1.85 : 1		1.92 : 1		1.85 : 1		2.08 : 1		2.15 : 1		2.15 : 1		Forward - Neutral		Forward Only			
Propeller Selection Range	11" - 21"			9" - 17.5"			7" - 15"		8" - 14"		6" - 11.5"		6.5" - 9.5"		6" - 9"		4.5" - 7"		4.5" - 6"						
Transom Height	20", 25"			20"			15", 20", 22", 25"		15", 20"		15", 20", 25"		20"		15", 20", 25"		15", 20"		15", 20"						
Fuel	Automixing (Variable 120:1 - 50:1)						Automixing (Opt.Pre-Mix(50 : 1))						Pre-Mix (50 : 1)												
Oil Type	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			135 kg	115 kg			79 kg	72 kg		59 kg	51 kg		59 kg	41 kg			26 kg			20 kg		13 kg	12.5 kg	
Alternator Output	12V 330W 27.5A			12V130W 11A			12V130W 11A			Optional 12V 80W 7A			Optional 12V 60W 5A			Optional 12V 60W 5A			Optional 12V 60W 5A			Optional 12V 60W 5A		N/A	
Model	M140	M120	M115	M90	M70	M60	MW50	M50	M40D	M40C	M30	M25	M25 Jet Drive	M18	M15	M9.9	M9.8	M8	M6	M5	M4				
Loop Charged Induction	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S				
CD Ignition System	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S				
Stainless Steel Water Pump Housing	S	S	S	Chrome	Chrome	Chrome	Chrome	S	S	S	S	S	S	S	S	S	S	S	S	S	S				
Start In Gear Protection	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S				
Thermostat Controlled Cooling System	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	-	-				
Through-The-Prop Exhaust	S	S	S	-	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	-	-				
Shallow Water Drive	-	-	-	S	O	O	O	O	O	S	S	S	S	S	S	S	S	S	S	S	-				
Automixing	S	S	S	S	S	S	O	O	O	-	-	-	-	-	-	-	-	-	-	-	-				
Power Trim and Tilt	S	S	S	S	O	O	O	O	O	-	-	-	-	-	-	-	-	-	-	-	-				
Audible Overheat Monitor	S	S	S	S	S	S	O	O	O	-	-	-	-	-	-	-	-	-	-	-	-				
Analog Tachometer	-	-	-	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	-	-				
Digital Tachometer	S	S	S	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				