
New Model Information MFS20/15E



The world's lightest 15 & 20hp outboard designed with battery-less fuel Injection technology.

Electronic Fuel Injection precisely controls the fuel supply over a range of temperatures and engine states. Major benefits provided include:

1. Smoother and consistent transient throttle response,
2. Easier starting in cold conditions,
3. More accurate adjustment to account for extremes of ambient temperatures and changes in air pressure
4. More stable idling and no engine stalling,
5. No carburetor related issues
6. Better fuel efficiency.

Normally, an Electronic Fuel Injection System requires battery power to operate the engine. However, Tohatsu's state-of-the-art MFS20/15E is battery-less thus saving approximately 15kg in battery weight that other competitors may carry.

Tohatsu Advanced Technological Innovations

Fuel System

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

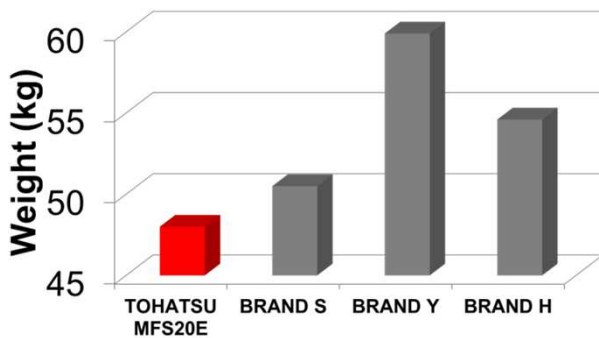
Fuel Filter

New Tohatsu Fuel Filter is equipped with a water identification indicator, and users and dealers can easily notice when/if water is in the fuel. Dealers and even the users can also drain the water from the bottom of the filter easily without the use of any tools. Tohatsu Fuel Filter has no rubber drain pipe nor clip, which eases water draining at any season.

Light weight

Completely redesigned engine includes removing all un-necessary alloys whilst maintaining durability; components such as Crankshafts, Pistons, Propeller Shaft, and up to 240 items have been newly designed reducing 10kg weight compared to previous carburetor model.

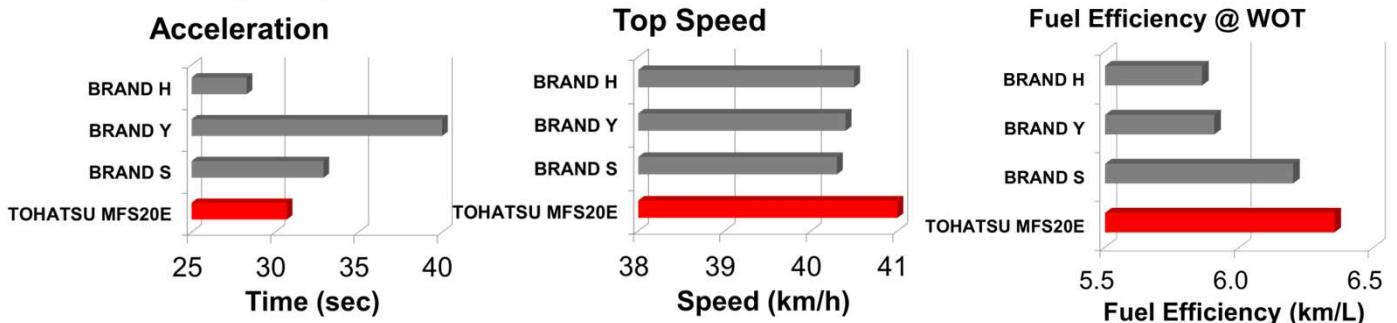
Actual Weight



Dry weight – from 43kg for MFS20E S (manual short shaft model)

Performance

Being the Lightest in weight, having greater horsepower and torque, MFS20E is the fastest outboard among competitors



TOHATSU's all-new four-stroke EFI 20/15E models provide outstanding performance; in sea trials maximum horsepower achieved as well as greater top end torque were achieved compared to other brands.

- FULL THROTTLE OPERATING RANGE: 5,400-6,100 rpm
- NO. OF CYLINDERS: IN-LINE 2
- PISTON DISPLACEMENT 333 cc
- BORE X STROKE 6x 57 mm/mm