

# New Model Information MFS5C LPG



## Summary of Features

- ✔ The first LPG outboard developed by existing outboard manufacturer.
- ✔ Manufactured based on reliable Tohatsu engine, MFS6C SP
- ✔ Attractive color provides cleaner image.
- ✔ Lower emissions than petrol outboards.
- ✔ Low maintenance required.
- ✔ Easy starting under any environment.

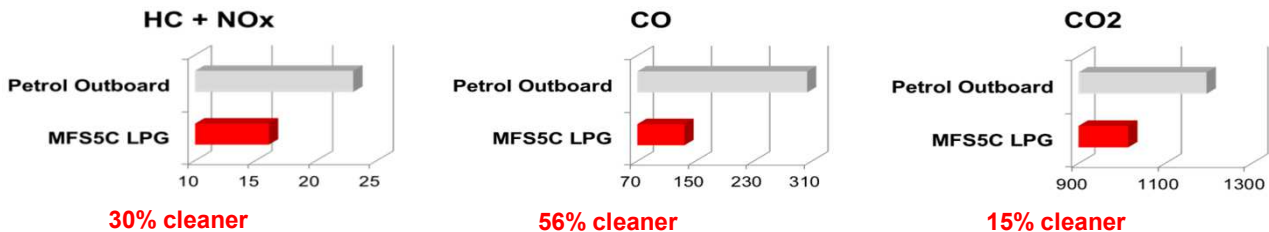
## Features

### New Appearance

White color design differentiates from our petrol outboard motors. It also provides cleaner image.

### Eco-friendly

This model does not provide only the image of cleanness, but it's actually cleaner than any conventional outboards.



### User Friendly

Users are no longer required to carry petrol. Lower maintenance on fuel related parts.

## SP (Sail Pro) models

The powerful sailboat model is available in Long and Ultra-Long shaft, and equipped with a high thrust sail drive propeller to give the power required

It also includes 12V, 60W, 5A charging system for charging battery or powering external electrical devices and its own charging cable.



## New Components

### Connector & Fuel Hose

These are meeting the EU Standards, and offers easy connection with the LPG cylinder.



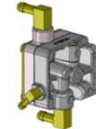
### Regulator

Fuel pump is replaced by a Regulator. Fuel needs to be supplied 100kPa (1bar) or more to operate the engine.



### Shut-off Valve

Equipped for security reason, and this device stops the fuel supply when the engine is not operating.



### Mixer

It performs the same role as what carburetor does – blends Air and the Fuel and supplies into the combustion chamber.



### Cylinder Head

Material of the valve seat has been changed.



## Specification

Specification / Model		MFS5C LPG S	MFS5C LPG L	MFS5C LPG L(SP)	MFS5C LPG UL(SP)
Type		Four Stroke LPG			
Weight	kg (lbs)	27.2 (59.5)	27.5 (60.6)	28.6 (63.1)	29.1 (64.2)
Maximum output	KW (PS)	3.7 (5.0)			
Maximum operating range	r/min	5000-6000			
Fuel consumption at W.O.T.	kg/Hr	1.0			
Number of Cylinder		1			
Bore x Stroke	mm (in)	59 x 45 (2.32 x 1.77)			
Displacement	ml (Cu in)	123 (7.50)			
Engine lubrication system		Trochoid pump			
Starting system		Manual			
Spark plug		NGK DCPR6E			
Ignition timing	degree	BTDC 0° - BTDC 25°			
Alternator output		(Option : 12V 60W)		12V 60W	
Engine oil		API SF, SG, SH, SJ, SL or SM FWC 10W-30/40			
Engine oil capacity	L (qt)	0.45 (0.47)			
Speed control		Twist grip type (Option : Remote control)			
Gear reduction ratio		2.15 (13:28)			
Emission compliance		EU & EPA & CARB 3-Star, LPGL			

		Temperature						
		-10°C (14°F)	-5°C (23°F)	0°C (32°F)	5°C (41°F)	10°C (50°F)	15°C (59°F)	20°C (68°F)
Propane Ratio (%)	95% Propane 5% Butane	OK	OK	OK	OK	OK	OK	OK
	65% Propane 35% Butane	OK	OK	OK	OK	OK	OK	OK
	30% Propane 70% Butane	-	-	-	OK	OK	OK	OK
	10% Propane 90% Butane	-	-	-	-	-	OK	OK
	0% Propane 100% Butane	-	-	-	-	-	-	OK