

# TOHATSU

KEROSENE OUTBOARD MOTORS



**MODEL M18AK 16PS**  
**M30AK 27PS**

## *High power with lower running costs!*

Here is Tohatsu's solution to the problem of the ever-increasing cost of fuel—an engine that starts up on gasoline and then quickly changes to budget-priced kerosene (home light oil) for medium to high-speed running.

The switch over is completely automatic—there are no dials to watch or cocks to turn. Consequently the operation and engine response is the same to any other high-performance gasoline engine.



**Fuel tanks**

• KEROSENE TANK (24ℓ)

• GASOLINE TANK (13ℓ)



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### FEATURES

- To start the engine simply pull the starting knob. This ensures a supply of gasoline to the engine for starting up, in exactly the same way as a regular gasoline engine.
- The newly-designed carburetor has an accelerating pump which provides an increased power output when quick acceleration is required. The response matches that of a gasoline engine.
- The two separate fuel systems are color coded to simplify servicing and inspection.
- The two separate tanks for gasoline and

kerosene are easily identified to prevent confusion when fuelling up.

- The fuel tanks hold 24 liters of kerosene and 13 liters of gasoline. The total capacity of 37 liters will provide for long periods of high-speed running on a single filling.
- The spark plug are fired by a pointless solid state CD ignition system. This provides a fat spark for complete combustion of the less explosive fuel mixture.
- The fuel accumulated at the bottom of the cylinder in fluid form, passes

through the recirculation pipe with check valve to upper main bearing portion of crankcase.

The result is well lubricated bearing and efficient burning of unburned fuel thus ensuring better performance and reproduction in water pollution.

- The design, construction and engine materials have been modified to take advantage of kerosene operation, so giving added reliability.
- This engine provides the performance similar to the basic M30A and M18A models.

### DATA SHEET

Items	Model	M30AK	M18AK
Overall Length		825mm	810mm
Overall Width		400mm	335mm
Overall Height		1,096mm(Transom "S") 1,223mm(Transom "L")	1,052mm(Transom "S") 1,179mm(Transom "L")
Weight		46kgs (101.4 lbs)	36.5kgs (80.5 lbs)
Engine Type		2WT68D	2WT60A
Piston Displacement		430cc (26.3 cu.in.)	294cc (17.9 cu. in.)
Bore & Stroke		68x59mm (2.75x2.32 in.)	55x52mm (2.17x2.05 in.)
Output		27PS/5,500rpm	16PS/5,500rpm
Transom Height		S (15 in.) L (20 in.)	S (15 in.) L (20 in.)
Fuel		Kerosene/Oil Mixture(30 : 1) Gasoline/Oil Mixture (30 : 1)	Kerosene/Oil Mixture(30 : 1) Gasoline/Oil Mixture (30 : 1)
Fuel Tank Capacity		24 liter (For Kerosene) 13 liter (For Gasoline)	24 liter (For Kerosene) 13 liter (For Gasoline)
Cooling Water Temperature Adjustment		Thermostat	Thermostat
Starting		Automatic Rewind Starter and Rope Electric Starter: Option	Automatic Rewind Starter and Rope Electric Starter: Option
Ignition		C.D. Ignition	C.D. Ignition
Lighting Coil		12V-80W	12V-80W
Spark Plug		NGK B7H-S	NGK B7H-S
Engine Rotation		Clockwise	Clockwise
Gear Ratio		12 : 23	13 : 25
Speed Control		Hand Grip Type	Hand Grip Type
Clutch		Dog Clutch (F-N-R)	Dog Clutch (F-N-R)
Operation Method		Bar Handle	Bar Handle
Remote Control		Available (Option)	Available (Option)



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