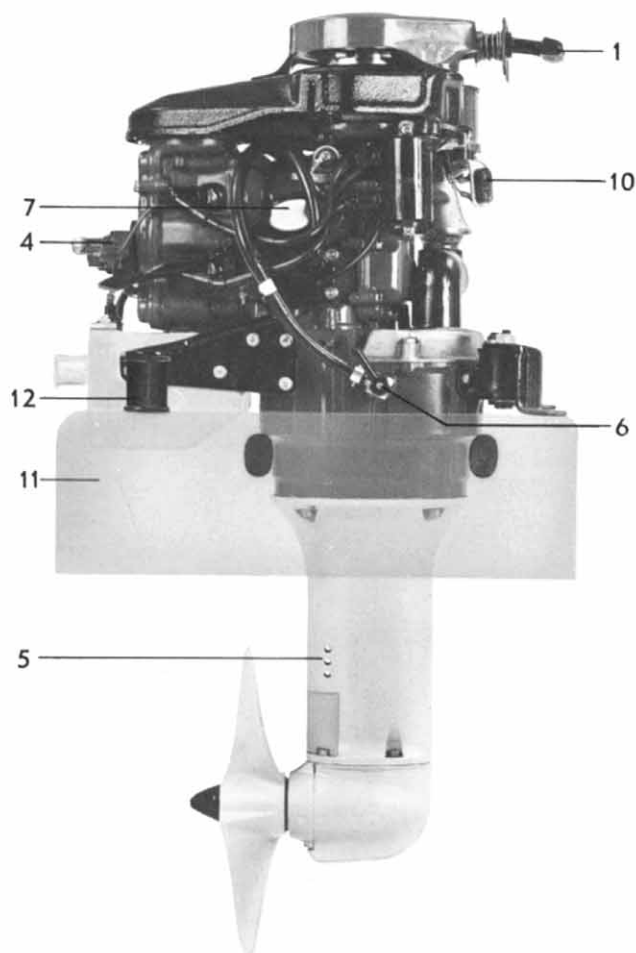
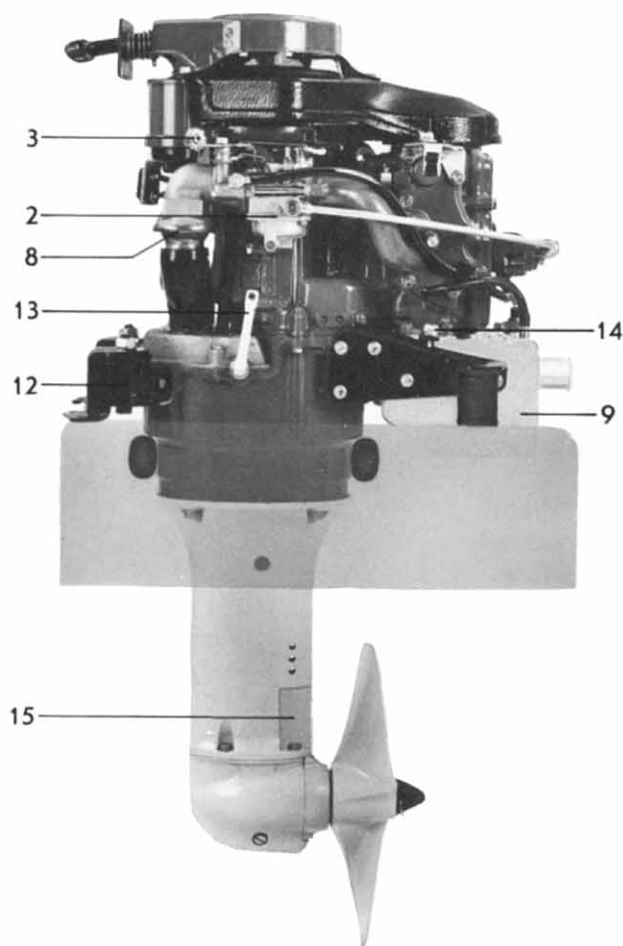


MB 2A/50S



2 cylinder 4 stroke carburetor engine with drive model 50S
Output 7.5 hp (5.5 kW)



STANDARD EQUIPMENT

ENGINE BODY – Aluminium cylinder block and head, dry liners. The pistons are made of aluminium alloy with two compression rings and one oil scraper ring. Overhead camshaft. Hand start equipment with three alternative horizontal positions (1).

FUEL SYSTEM – Horizontal carburetor (2) with choke and levers for control cables (3). Fuel pump with connection for hose (4). Hand priming device for remote installation. Choke control is supplied.

COOLING SYSTEM – Thermostatically controlled sea-water cooling. Sea-water pump with a neoprene rubber impeller. Sea-water intake (5) with cock (6). Vacuum valve.

LUBRICATING SYSTEM – Pressure lubricating system with gear pump. Oil filter and oil dipstick (7). Sealed crankcase ventilation.

INTAKE SYSTEM – Flame arrester of type approved by USCG (8).

EXHAUST SYSTEM – Sea-water cooled exhaust muffler with connection for exhaust hose (9).

ELECTRICAL SYSTEM – Capacitive discharge ignition system, 12V 60W electrical socket for connection of rectifier (10). Instrument panel is equipped with cut-out (stop) button, warning lamps for temperature and oil pressure and acoustic alarm. Cable harness, length 2 m (6.6 ft) with "plug-in" terminal block for direct connection to the engine. Cable harness from the engine, length 0.5 m (1.7 ft). Rectifier for battery charging.

ENGINE MOUNTING – Glassfibre reinforced plastic bed with installation parts (11). Engine brackets with flexible attachment to the bed (12).

SUBMERGED PARTS – with propeller gear housing and gear mechanism. Both speed and gear are operated by a single lever control. Gear lever (13). Attachment for control cable (14). Zinc corrosion protector (15).

EXTRA EQUIPMENT

FUEL SYSTEM

Water separating filter with flexible hose, USCG-approved
Fuel line kit with copper piping and installation parts

EXHAUST SYSTEM

Rubber exhaust hose
Water-cooled silencer
Through-hull fitting
Water-cooled silencer

STARTING DEVICE

Vertical starting device

ELECTRICAL SYSTEM AND INSTRUMENT

Master switch

BOAT ACCESSORIES

Electrically operated bilge pump
Original paint
Oils

CONTROLS AND CONTROL SYSTEM

VP single-control lever for both speed and forward-reverse operation, topmounted or side-mounted
Control cables

PROPELLERS

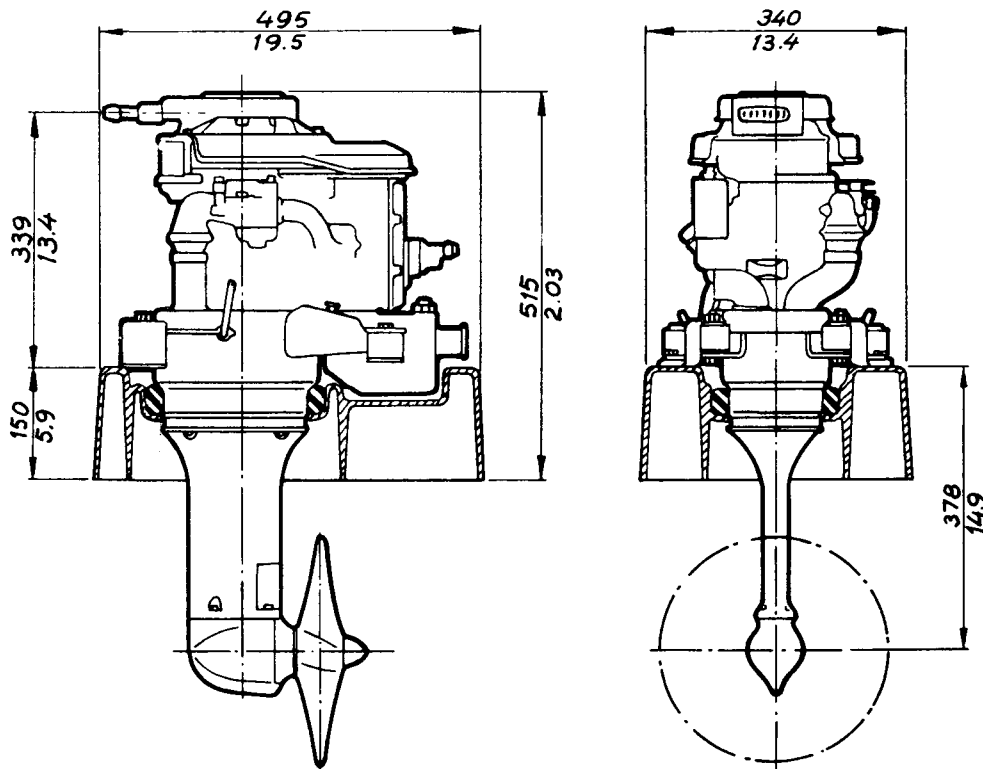
Two-bladed "IOR" 12" x 8"
Folding 11" x 8"
Three-bladed 9" x 10"

DATA

Type of operation	4-stroke carburetor engine with overhead camshaft
Designation	MB2A/50S
Output ¹⁾	7.5 hk (5.8 kW)
Number of cylinders	2
Idle speed	1200 r/min (20.0 r/s)
Max propeller speed	1767 r/min (29.5 r/s)
Max operating speed	5000 r/min (83.3 r/s)
Bore/Stroke	56 mm/40 mm (2.20 in/1.57 in)
Capacity	0.197 dm ³ (12.0 cu.in)
Compression ratio	8.6:1
Fuel quality	90-97 octane, also unleaded fuel
Drive type/ratio	50S/2.83:1
Total weight, engine without bed	29 kg (64 lb)

¹⁾ Flywheel output for a run-in engine according to DIN 6270 Leistung B.

DIMENSIONS DRAWING



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