



## NEW PRODUCTS



## THE NEW M-LINE

### Truly innovative, ready for the future!

VETUS proudly presents the completely redesigned range of M-Line marine diesel engines! This range is the result of applying both improvements and innovations to an already strong product.

The line up of redesigned M-Line marine diesel engines is impressive. With new features, modern appearance, and added benefits, the new M-Line range is designed to meet future market demand.

#### Innovative top cover

The heat build-up in engine spaces can easily reach temperatures of 70 °C. High ambient temperatures in the engine space can have negative effects on engine performance and installed equipment.

VETUS has developed an elegant yet efficient solution by fitting a water-cooled aluminium top cover. Located directly above the cylinder head, the huge cooling element absorbs radiant heat coming from the engine. This innovative concept results in a significant temperature reduction of up to 15° C - a 20% reduction!



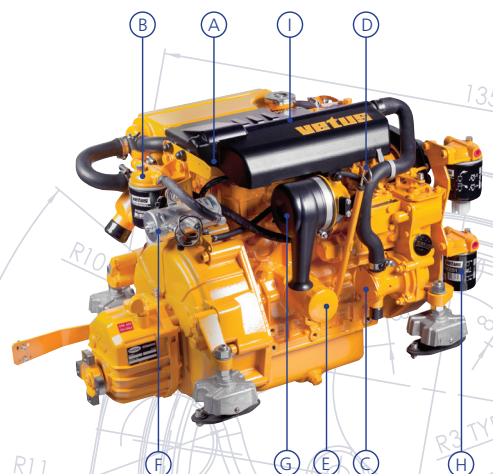
Cooling element      Cooling water circuit

The sturdy, aluminium top cover also reduces the noise level. When combined with the new air filter housing, tests show a sound reduction of about 5 dB(A) and 'near silent' operation at a cruising speed of around 2200 rpm. Those present at the test sites have all enthusiastically described the engine sound as being incredibly more pleasant to the ear.

#### New features

Based on shared experience, the redesigned M-line incorporates many new features designed to make life easier for both the boat builder and the end user:

- Service parts such as fuses and relays (A), fuel filter and fuel connections (B), impeller (C), dipstick (D), and oil filter (E) are all easily accessible. On all M4 engines the impeller is located at the front, for even easier access
- The wiring is improved to offer easy connection and extra safety
- All M-line engines are equipped with an electric fuel pump (F), actuated by the ignition switch
- A new air inlet filter housing attenuates the airflow and lowers the induction sound level (G)
- The heat exchanger unit has 26 improvements, including the construction materials and surface treatments
- The plastic front cover enhances safety and appearance. All pulleys and belts are covered, thereby meeting the EC Machinery Directive
- Front mounted oil and fuel filters including a bracket are available as an option, making servicing as convenient as possible (H)
- When higher charging output is required, all M4 engines are designed to accept a second alternator as an option (when a second alternator is fitted, the front cover is not supplied)
- Finally yet importantly, the water-cooled top cover not only reduces engine room temperature, but is designed to be used as a step, making it easier to move around the engine (I)



**CREATORS OF**  
**BOAT SYSTEMS**



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### New codes

With the introduction of the new M-line, a new and consistent coding logic will be put in use. Note that the 'old' codes will be maintained until further notice. Please refer to the table below:

Current engine	New engine code	Current engine	New engine code
M2.02	M2.13	M4.15	M4.35
M2.06	M2.18	M4.17	M4.45
M3.28	M3.29	M4.55	M4.56*

\* Expected launch in 2015

**All VETUS engines can be supplied with SOLAS approval, for applications such as life and rescue boats**

### New engine panel

All VETUS M-Line engines are supplied with a start panel, including an ignition key switch, together with warning lights and alarms for the most important functions, and connection loom as standard. Panels supplied with M3 and M4 engines also include a tachometer, hour counter and voltmeter.

**A new and stylish aluminium panel, designed to complement the latest interior designs, is available as an option.** This MPA22 panel can replace the type MP22 engine panel and is backwards compatible.

Other panel types will become available in the new design in the near future.



### Some things never change

All these new advantages come without compromising any other features. Customers can expect the very highest level of service when choosing a VETUS engine, together with high quality and professional advice. Purchasing a VETUS engine brings a host of related benefits:

- VETUS engines are quiet running and highly fuel-efficient
- These reliable and rugged engines offer high power and torque output
- The fuel system is automatically self-bleeding, which is convenient after a fuel filter replacement
- All VETUS marine diesel engines meet the Recreational Craft Directive 94/25/CE, as amended by 2003/44/CE and Russian RRR emission standards. Some also meet the BS011 emission regulations
- All engines are equipped with a high output marine alternator as a standard for fast recharging of batteries. A second alternator is available as an option on all type M4 engines
- All engines are available with a connection for the propeller shaft lubrication and cooling water
- A saildrive version is available for all M-Line engines
- A number of M-Line engines are available as 'power packs' or hydraulic propulsion versions.

### 5 year warranty, unique in the market!

A VETUS engine brings with it 40 years of experience in producing reliable and compact marine engines, ensuring safe and continuous boating pleasure for all customers. We believe that our customers deserve the best when choosing VETUS, therefore all our engines come with a 5-year warranty in accordance with the VETUS Guarantee and Service conditions. Furthermore, all our customers can rely on the VETUS dealer network, which provides service, spare parts, and a specialised point of contact worldwide.