WWW.VETUS.COM

MANOEUVRING SYSTEMS

RIMDRIVE
DISCOVER TRUE SILENCE

The RIMDRIVE, the silent thruster

Do you want a thruster that you cannot hear?
The latest innovation from VETUS makes this possible!

There are two main reasons why the RIMDRIVE is silent. Firstly, the propeller forms the rotating part of the electric permanent magnet motor and therefore noisy gears are not used in this design. Secondly, a ring mounted around the propeller, prevents the propeller tips from cutting through the water. In other words, it prevents cavitation and noise! The proportional speed control also helps to prevent cavitation.

In contrast with conventional thrusters, the electric motor does not take up much valuable space inside the boat. The propeller forms the rotating part of the electric motor (rotor) and the fixed winding (stator) is mounted in the tunnel. This results in a very compact and self-contained thruster.

The motor control circuitry is mounted on top of the thruster with the significant advantage of being cooled by water in the tunnel. Maintaining a constant temperature in this circuitry is vital for the proper operation of the motor.

The RIMDRIVE features proportional control as standard. This means that the correct amount of thrust is always available to the helmsman, in order to cope with different manoeuvres and wind conditions. Furthermore, the RIMDRIVE offers virtually unlimited runtime, with the only limitation being the capacity of the battery bank.

Unique features

- No carbon brushes
- Silent operation due to a virtually cavitation free propeller and no use of gears
- Proportional control as standard
- Virtually unlimited runtime
- Easy to install
- Maintenance free
- Lock the thruster at any speed and hold the boat alongside the dock
- Can be used as a stern thruster
- Suitable for aluminum, steel and GRP boats

The RIMDRIVE is available with thrust outputs of 125 or 160 kgf and requires a supply voltage of 48 Volts DC. This 48VDC can either be delivered by a 110/230VAC to 48VDC charger or by converting the normal 12 or 24V battery supply voltage by a DC to DC converter solution.

Another unique feature of the innovative RIMDRIVE is the brushless permanent magnet motor!

Therefore, carbon dust build-up is a thing of the past.

RIMDRIVE
SPECIFICATIONS

Specifications	RD125	RD160
Thrust, N (kgf)	125 kgf	160 kgf
Power kW (hp)	6.7 (9.1)	9.5 (12.9)
Permanent Magnet Synchronous motor	✓	✓
Variable speed	✓	✓
Tunnel diameter, internal, mm	250 mm	250 mm
Weight excluding tunnel, in kg	37	37
Supply voltage: 12/24 Volt. Thruster Voltage: 48 Volt DC	✓	✓
Motor current consumption @48VDC (A) +/-10%	150	200
Main fuse, "slow blow" (A)	200	250
Batteries, 48 Volt, min Ah (depending on desired runtime)	4x 50 Ah	4x 75 Ah
Battery cables**, total length of positive and negative cables together, m/mm²	0-10 m/25 mm² 10 m plus 35 mm²	0-10 m/35 mm² 10 m plus 50 mm²
Battery main switch, model BATSW	250A	250A

** Based on VETUS battery cables

Warranty & Service

All VETUS boat equipment products come with a 3 year warranty.
Because of our long experience, careful choice of materials and stringent quality controls, we have the confidence to offer this warranty.
For advice, installation and service you can always rely on our worldwide network of VETUS dealers.