RIMDRIVE DC THRUSTERS

The RD125 and RD160

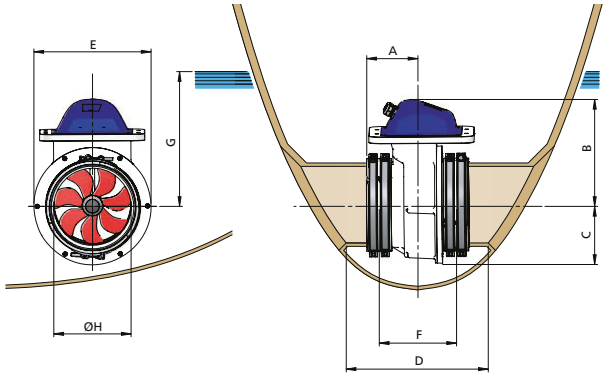
Peaceful power at your fingertips

The RIMDRIVE is unique in its design; when operating, this thruster is *extremely quiet*! The propeller forms the rotating part of the electric motor (rotor) and the fixed winding (stator) is mounted in the tunnel. Therefore gears are not used in this design. Secondly a ring mounted around the propeller, prevents the propeller from cavitating.

The RIMDRIVE is available in 125 and 160 kgf and needs a thruster supply voltage of 48 Volt DC. The panel (BPJP) and interface (RDIF) should be ordered separately.

Unique features
- No carbon brushes
- Quiet 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
- IP67 top cover / ISO 8846 ignition protection compliant
- 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

Model number (dimensions. in mm)	RD125	RD160
A	170	170
B	341	341
C	190	190
D min/max.	400/1000	400/1000
E	380	380
F	247	247
G min.	250	250
H	250	250



Specifications	RD125	RD160
Thrust, N (kgf) (effective power output)	**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 60 Ah	4x 105 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

To controle the RIMDRIVE we offer the BPJP (further information on this control panel can be found on page 191) and the RDIF, an interface module installed between the thruster and the panel.

VETUS strongly advices the use of original V-CAN connection cables to ensure an optimal connection between controls and truster.

BPJP

RDIF