

# WW SERIES Vertical Windlass

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## Power and Sailing Boats

The VW Series of anchor winches are designed for traditional rope and chain combination anchor rodes, where manual transfer of the rode from the rope warping drum to the chainwheel is required.



**3 YEAR**  
Limited Warranty

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## FEATURES

### Power and Sailing Boats

- Provides the versatility of operating two anchors from one winch.
- Functional rope hauling from any direction using independent MAX-grip™ snag-free warping drum with clutch disengagement of chainwheel for positive control of all ropes.
- Permits use of traditional shackle and thimble rope and chain connection.
- Allows alternative mounting horizontally on a fore and aft bulkhead inside chain locker for below deck installation.
- High-quality finish on above deck components. Heavy chrome over marine-grade alloy bronze.
- Cone type brake/clutch mechanism permits manual free-fall anchoring.
- Cone clutches, unlike dog clutches, provide smooth progressive engagement ensuring safe operator control.
- Chainwheel locking pawl.
- Simplified through deck installation by modular design and precise alignment of gearbox to the topworks utilising marine-grade stainless steel bolts.
- Anodized aluminium gearbox and spacer on 500, 1000 and 1500 models. Marine-grade alloy gearbox housing, finished with a two coat paint system on 2200 and 3500 models.
- Heavy duty, dual direction motor, designed for marine winches.
- Easily disassembled for servicing.



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#### STANDARD EQUIPMENT

Circuit breaker/isolator panel  
Footswitch (supplied with DC units only)  
Chainwheels to suit available chain sizes  
Emergency crank/clutch release handle

#### OPTIONAL EXTRAS

Additional footswitches  
Dual direction solenoid pack  
Up/down remote control panel  
AutoAnchor™ Rode Counter  
Hydraulic motor

Traditional bronze finish  
Chain Stopper  
Extra deck clearance kit  
Roving remote  
AutoCleave  
Chain snubber

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### Power and Sailing Boats

## SPECIFICATIONS

MODEL	500	1000	1500	2200	3500
Maximum Pull	227kg	455kg	680kg	1000kg	1590kg
	500lbs	1000lbs	1500lbs	2200lbs	3500lbs
Chain Sizes (Short Link)	6mm	6-10mm	6-10mm	9-11mm	10-13mm
	1/4"	1/4" -3/8"	1/4" -3/8"	5/16" -3/8"	3/8" -1/2"
Line Speed** (Normal Working)	18m/min	18m/min	18m/min	15m/min	10m/min
	59ft/min	59ft/min	59ft/min	50ft/min	33ft/min
Power Supply (DC)	12 or 24V	12 or 24V	12 or 24V	12 or 24V	12 or 24V
Motor (Watts)	600W	1000W	1200W	1200W	1200W
Net Weight - Electric	10kg	22kg	22kg	39kg	48kg
	22lbs	50lbs	50lbs	87lbs	105lbs
Hydraulic Pressure	N/A	100bar	138bar	135bar	138bar
	N/A	1450psi	2000psi	1950psi	2000psi
Hydraulic Flow	N/A	20 l/min	20 l/min	36 l/min	42 l/min
	N/A	5.3USgal/min	5.3USgal/min	9.5USgal/min	11USgal/min
Net Weight - Hyd	N/A	15kg	15kg	33kg	40kg
	N/A	34lbs	34lbs	72lbs	88lbs

\*\* Winch performance when hauling rope with capstan. Chain speed may vary depending on size of chain and gypsy. For VW4000 please see the Superyacht Section.

Wide Mouth Chainpipe for use with a VW Series windlass to feed the rope and chain below deck. Wide Mouth Chainpipes are designed to easily allow the eye splice and shackle to pass through.



Important: Maxwell windlasses must be used in conjunction with a chain stopper and/or alternative snubbing device to take the load off the windlass while laying at anchor. The chain stopper and alternative snubbing system should also be used to secure the anchor in the fully raised position while under way.

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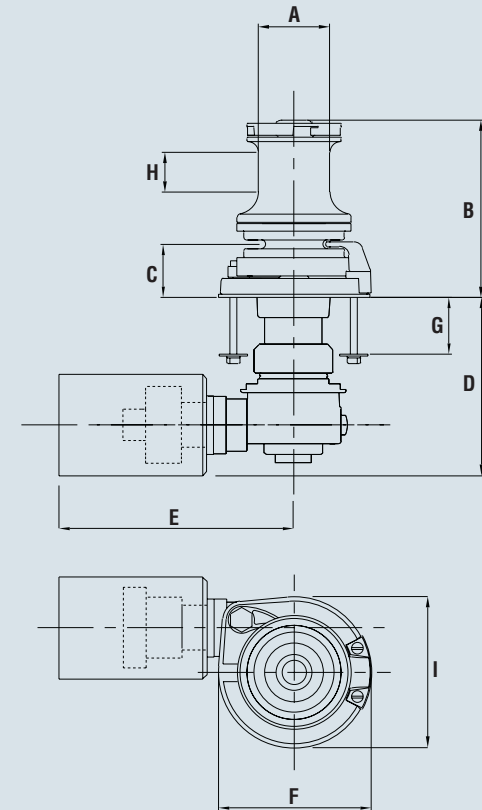


### DIMENSIONS

#### Power and Sailing Boats

MODEL	VW500	VW1000	VW1500	VW2200	VW3500
A	65mm 2 9/16"	80mm 3 1/8"	80mm 3 1/8"	94mm 3 11/16"	110mm 4 5/16"
B	151mm 6"	198mm 7 3/4"	198mm 7 3/4"	242mm 9 9/16"	276mm/331mm 10 7/8"/13 1/8"
C	40mm 1 5/8"	59mm 2 3/8"	59mm 2 3/8"	80mm 3 5/32"	83mm 3 9/32"
D	173mm 6 7/8"	252mm 9 15/16"	252mm 9 15/16"	290mm 11 13/32"	290mm 11 13/32"
E	244mm 9 5/8"	272mm 10 23/32"	272mm 10 23/32"	185mm 7 9/32"	185mm 7 9/32"
F	133mm 5 1/4"	165mm 6 1/2"	165mm 6 1/2"	190mm 7 1/2"	270mm 10 5/8"
G (Std deck clearance)*	57mm 2 1/4"	100mm 4"	100mm 4"	100mm 4"	100mm 4"
G (Extra deck clearance)	N/A N/A	150mm 6"	150mm 6"	200mm 8"	200mm 8"
H (Working height of drum for rope warping)	37.5mm 1 1/2"	44mm 1 3/4"	44mm 1 3/4"	33mm 1 5/16"	54mm/105mm 2 1/8"/4 3/16"
I	133mm 5 1/4"	165mm 6 1/2"	165mm 6 1/2"	194mm 7 5/8"	270mm 10 5/8"

\*For VW1000 and VW1500 shorter deck clearance version also available at 50mm (2")



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## PRODUCT CODES

### Power and Sailing Boats

Product code	Model
P100457	VW 500 12 Volt
P102769	VW 1000 12 Volt
P102778	VW 1500 12 Volt
P11098	VW 2200 24 Volt

Note: All VW Series windlasses are available in low profile versions. Please contact Maxwell.

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