



vetus

MAXWELL



RC12 - RC12HD

THE NEXT GENERATION OF THE ROPE/CHAIN WINDLASS EVOLUTION



The RC12 Series incorporates Maxwell's latest stylish innovation in automatic rope/chain windlass technology. Retaining the classic open design styling more appropriate on larger boats, the RC12-10 and RC12-12 represent the next generation of rope/chain windlass evolution in every respect.



RC12 Capstan Model

3 YEAR
Limited Warranty

Features and benefits

- The RC12 fully automatic windlass series is designed to effortlessly retrieve and deploy 10 to 13 mm (3/8" to 1/2") short link chain combined with 16 to 22 mm (5/8" to 7/8") 8-braid (plait) nylon rope
- Stainless steel AISI 316
- With a maximum pull of 1590 kg (3500 lb), and an anchor retrieval rate of 15 m/min (50ft/min), the RC12-12 is one of the fastest and gruntest windlasses in its class
- A sleek, Low Profile version and a fluted stainless steel (AISI 316) capstan drum version, are available
- The RC12 is packed with patented innovative features combined with Maxwell's traditionally classic aesthetics, but reflecting the modern "form follows function" of the highly successful RC6, RC8 and RC10 series windlasses
- The elegantly designed deckplate and chainpipe cover are manufactured in polished marine-grade (AISI 316) stainless steel, as are the heavy duty pressure arm, stripper, chainwheel and fluted capstan drum
- The huge, through deck hawse pipe throat ensures easy entry of the rope/chain rode into and out of the anchor locker
- Double cone-type brake/clutch mechanism permits 'Free Fall' anchoring. Cone clutches, unlike dog clutches, provide smooth progressive engagement, ensuring safe and precise operator control
- The RC12 features Maxwell's revolutionary and patented Wave Design™ chainwheel. Refer to RC6 page 307 for more information about this innovative feature
- Emergency manual retrieval is made simple and easy with Maxwell's unique "Active Latch Ratchet System" operation that prevents backwind of the windlass during manual hauling of the anchor
- The Maxwell designed, all new and innovative black, hard anodised gearbox provides numerous advantages:
 - Fast and easy windlass installation
 - More corrosion resistant
 - Easy to maintain and service
 - Takes up less room in the anchor locker
 - 75:1 Ratio (RC12-10) or 100:1 Ratio (RC12-12), single stage design with less moving parts, for smoother and quieter operation
 - Allows for multi-positioning of the gearbox/motor

Activation of the ratcheted mechanism lever ensures the windlass cannot backwind during emergency (manual) retrieval of the rode (rope and/or chain) and anchor.



SPECIFICATIONS

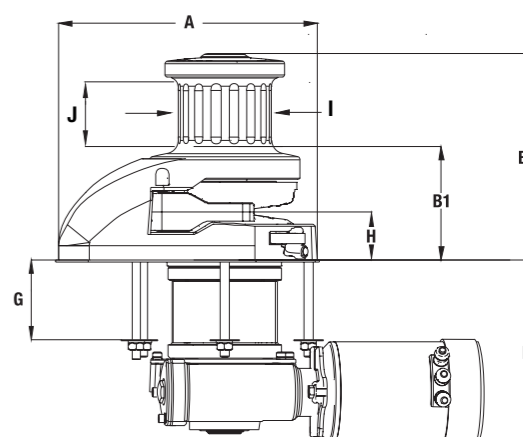
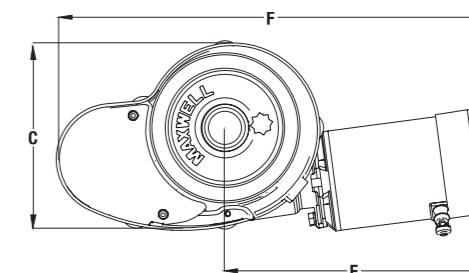
Model	RC12 (10/11 mm-3/8")	RC12 (12/13 mm-1/2")
Maximum Pull/Lift	1134 kg 2500 lbs	1590 kg 3500 lbs
Static Hold	2200 kg 4840 lbs	2200 kg 4840 lbs
Chain Short Link**	10/11 mm 3/8"	12/13 mm 1/2"
Rope Size (Nylon)** (8 plait recommended)	16-20 mm 5/8-3/4"	20-22 mm 3/4"-7/8"
Chain Speed (at normal working load)	24 m/min 79 ft/min	15 m/min 50 ft/min
Rope Speed (at normal working load)	20 m/min 65 ft/min	13 m/min 43 ft/min
Power Supply (DC)	12, 24 or 48 V	12, 24 or 48 V
Motor Power	1200 W	1200 W
Net Weight - DC (Capstan version)	32 kg 71 lbs	32 kg 71 lbs
Net Weight - DC (Low Profile version)	29 kg 64 lbs	29 kg 64 lbs
Hydraulic Pressure	138 bar 2000 PSI	138 bar 2000 PSI
Hydraulic Flow	40 l/min 11 USgal/min	40 l/min 11 USgal/min
Net Weight - Hyd (Low Profile) (Capstan version)	23 kg/ 51 lbs 26 kg/ 57 lbs	23 kg/ 51 lbs 26 kg/ 57 lbs

** When ordering please specify your specific rope and chain, combination rode

DIMENSIONS

Model	RC12 (10 mm-3/8")	RC12 (12/13 mm-1/2")
A	293 mm 11 5/8"	293 mm 11 5/8"
B ¹ (Low Profile version)	128 mm 5 1/8"	128 mm 5 1/8"
B ² (Capstan version)	233 mm 9 1/4"	233 mm 9 1/4"
C	206 mm 8 1/8"	206 mm 8 1/8"
D (Std deck clearance)	210 mm 8 3/8"	210 mm 8 3/8"
E	294 mm 11 5/8"	294 mm 11 5/8"
F	482 mm 19"	482 mm 19"
G (Std deck clearance)	90 mm 3 5/8"	90 mm 3 5/8"
H	54 mm 2 1/4"	54 mm 2 1/4"
I	106 mm 4 1/4"	106 mm 4 1/4"
J	62 mm 2 1/2"	62 mm 2 1/2"

Stylish innovation in automatic rope/chain windlass technology



RC12 Low Profile Model

Important: Maxwell windlasses must be used in conjunction with a chain stopper 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.

STANDARD EQUIPMENT REQUIRED FOR DUAL DIRECTION CONTROL

- Dual Direction Solenoid (included)
- Emergency (manual) retrieval handle (included)
- Clutch release handle (included)
- Up/Down remote control panel (not included)
- Circuit breaker/isolator panel (not included)

OPTIONS

1. AutoAnchor™ Equipment
2. Compact Remote
3. Foot Switches
4. Chain Stopper
5. Chain Snubber
6. Capstan model

HEIGHT MATCHED CHAIN STOPPER

- For use with Maxwell's rope/chain vertical windlasses
- Height adjusted to most effectively align chain with the chainwheel
- No height adjustment plinth required
- Refer to page 335 for more information



Height Matched Chain Stopper

Every Maxwell RC12 automatic rope/chain windlass comes with top works, motor/gear box and dual direction solenoid. Switches and circuit breaker are available and need to be ordered separately. Refer chart on page 340.



Heavy Duty Rope/Chain Series



RC12HD Low Profile Model

- The RC12HD is designed for use with 10 to 13 mm (3/8" to 1/2") short link chain combined with 16 to 22 mm (5/8" to 7/8") nylon rope
- Classification Society approval available for specific cases, contact your Maxwell representative
- This design is particularly well suited to light duty commercial vessels requiring high service speeds, e.g. patrol vessels, as the reduced weight of the rope/chain combination removes weight from the bow
- The 38 mm (1 1/2") mainshaft is manufactured in high strength corrosion resistant 2205 Duplex stainless steel and the above deck components in AISI 316 stainless steel providing excellent corrosion resistance and highly polished finish
- The RC12HD is available with either a Heavy duty fan cooled 24VDC, 48VDC, 3 phase AC, Hydraulic motors of various displacements or single phase AC motor (contact your distributor for specifications and application). Run time and continuous pull varies between versions (see specifications on the following page)
- Double cone-type brake/clutch mechanism permits 'Free Fall' anchoring. Cone clutches, unlike dog clutches, provide smooth progressive engagement, ensuring safe and precise operator control
- The RC12HD features Maxwell's revolutionary and patented Wave Design™ chainwheel



RC12HD Capstan Version

SPECIFICATIONS

	24V DC Electric (2000W)	Hydraulic (Type 2)	Hydraulic GT (Type 1)	AC Electric
Maximum pull	1820 kg (4000 lbs)	1200 kg (2640 lbs)	1820 kg (4000 lbs)	1820 kg (4000 lbs)
Continuous pull	300 kg (660 lbs)	1200 kg (2640 lbs)	1250 kg (2750 lbs)	620 kg (1360 lbs)
Line speed at continuous pull	12 m/min (39 ft/min)	15 m/min (49 ft/min)	15 m/min (49 ft/min)	12 m/min (39 ft/min)
Working Load limit (10 min)	610 kg (1335 lbs)	1200 kg (2640 lbs)	1500 kg (3300 lbs)	750 kg (1650 lbs)
Maximum line speed	18 m/min (59 ft/min)	15 m/min (49 ft/min)	15 m/min (49 ft/min)	12 m/min (39 ft/min)
Static Hold	2200 kg (4840 lbs)	2200 kg (4840 lbs)	2200 kg (4840 lbs)	2200 kg (4840 lbs)
Net Weight (Capstan Version)	40 kg (88 lbs)	31.5 kg (69 lbs)	34 kg (75 lbs)	54 kg (118 lbs)
Power Supply	24V DC	Hydraulic	Hydraulic	3Ph AC
Motor Power	2000 W	N/A	N/A	2200 W
Maximum Hydraulic Pressure	N/A	138 Bar (2000 PSI)	205 Bar (3000 PSI)	N/A
Recommended Hydraulic Flow	N/A	40 l/min (11 Gal/min)	28 l/min (7.5 Gal/min)	N/A

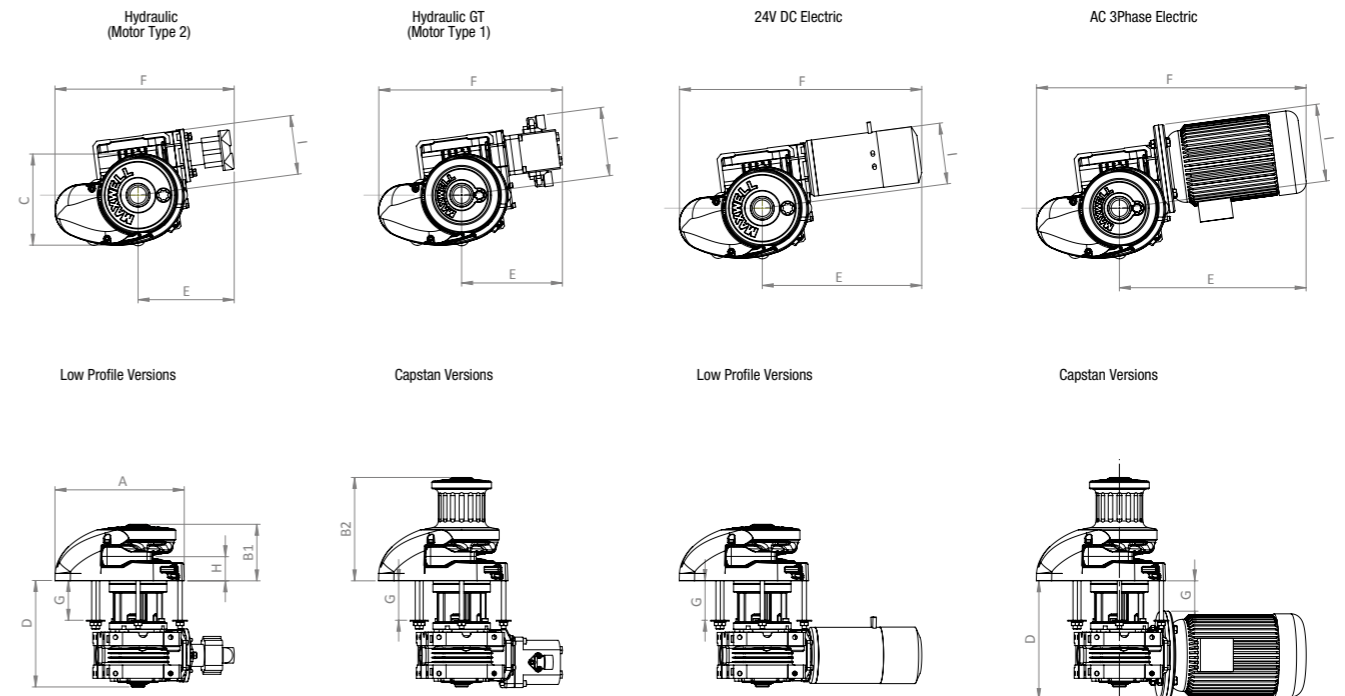
Accessories	Code	Voltage
Reversing Solenoid	SP5107	24V
Circuit Breaker	P100791	135 Amp

Refer to page numbers 330 - 333 for additional electrical accessories.

DIMENSIONS

	Hydraulic Type 2	Hydraulic Type 1	24V DC Electric	3phase AC Electric
A	293 mm (11 5/8")	293 mm (11 5/8")	293 mm (11 5/8")	293 mm (11 5/8")
B ¹ (Low Profile version)	128 mm (5 1/8")	128 mm (5 1/8")	128 mm (5 1/8")	128 mm (5 1/8")
B ² (Capstan version)	233 mm (9 1/4")	233 mm (9 1/4")	233 mm (9 1/4")	233 mm (9 1/4")
C	206 mm (8 1/8")	206 mm (8 1/8")	206 mm (8 1/8")	206 mm (8 1/8")
D	241 mm (9 1/2")	243 mm (9 9/16")	241 mm (9 1/2")	270 mm (10 5/8")
E	218 mm (8 5/8")	228 mm (9")	361 mm (14 1/4")	423 mm (16 5/8")
F	406 mm (16")	416 mm (16 3/8")	549 mm (21 5/8")	611 mm (24")
G	95 mm (3 3/4")	95 mm (3 3/4")	95 mm (3 3/4")	69 mm (2 3/4")
H	54 mm (2 1/4")	54 mm (2 1/4")	54 mm (2 1/4")	54 mm (2 1/4")
I	134 mm (5 1/4")	156 mm (6 1/8")	139 mm (5 1/2")	175 mm (6 7/8")

Extra Deck Clearance available, add 100mm to dimensions D & G.



Important: Maxwell windlasses must be used in conjunction with a chain stopper 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.

