

WARRANTY

Our winches are covered by a three year return to factory warranty against defective materials or workmanship, except motors and seals which are covered by a one year warranty. Warranty does not cover damage due to improper use or poor maintenance.

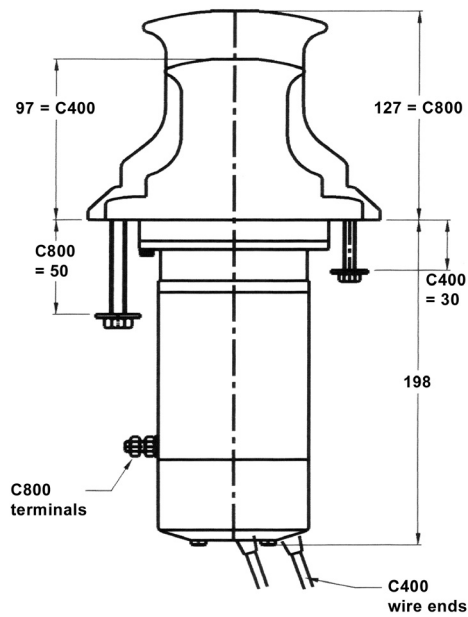
If a fault develops during the warranty period DO NOT remove any parts or attempt a repair.

Remove the winch/motor assembly in one piece from the boat and return it your supplier or the manufacturer with evidence of purchase, a description of the installation and problem experienced.

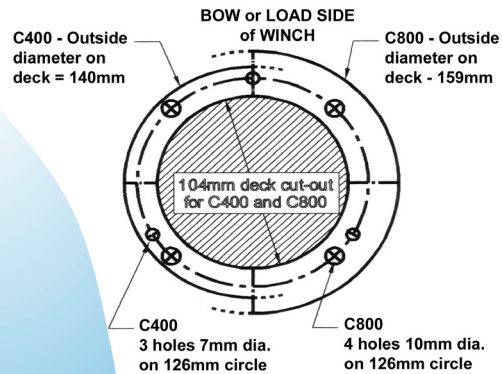
MAINTENANCE

Every 6 months, remove centre screw from top of the drum and lift drum off. Lightly grease the synthetic bearings under the drum. Smear a little grease on the O ring seal in the top outer cap, assemble and tighten firmly.

The motor is made of steel and may corrode if the paint system is damaged. Check the motor regularly and keep dry and clean. In "dry" installations, spray the motor regularly with a water repellant (CRC or WD40). In damp or "wet" installations, including situations where a lot of condensation takes place, treat the motor and terminals regularly with CRC "softseal" or similar. Check all terminals in the system and protect as described above.



Hold down holes should be aligned with direction of winch load for maximum strength - see below



Seawinch

anchor capstans

Take the ache out of anchoring!

C400 for boats to 7 metre
C800 for boats to 11 metre

New Zealand made

All the power you need to make anchoring easy

Fast recovery of your anchor

Low drain on your battery

Auto-brake, holds safely

Quality European motor

Fits any deck thickness

Install or remove in minutes



C400 Performance

Pull		Rating	Speed		Current
Kg	lbs		M/min	Ft/min	Amps
36	80	Steady	24	78	34
110	240		18	60	78
180	400	Snatch	15	49	-

C800 Performance

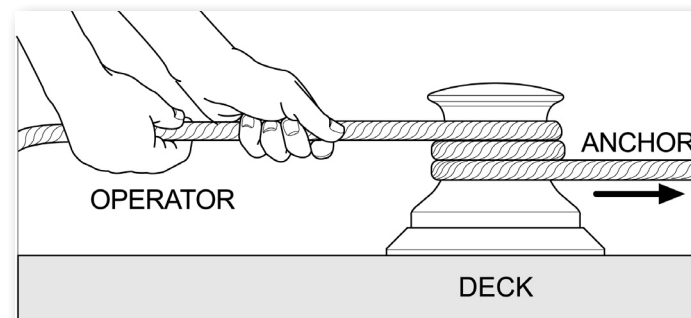
Pull		Rating	Speed		Current
Kg	lbs		M/min	Ft/min	Amps
75	165	Steady	17	55	38
150	330		12	40	80
365	800	Snatch	8	26	-

The winch provides all the power you need for a "steady" pull during most of the anchor recovery. The steady pull and speed is a much higher load than can be maintained by hand. These winches make light work for you.

The "snatch" pull is a brief peak load that the winch can provide during break out if necessary.

Technical details

Motor:	C400 = 400w x 12v C800 = 600w x 12v Motors are permanent magnet, European manufacture
Drum:	High tensile bronze, chrome plated
Deckplate:	Marine grade hard anodised and sealed aluminium
Gear box:	C400 = two stage, C800 = 3 stage balanced epicyclic
Deck studs:	Supplied with nuts in stainless steel
Weight:	C400 = 6kg (13lbs), C800 = 7kg (16lbs)
Clearance:	Longer or shorter studs can easily be fitted
Rotation:	Clockwise or right hand as viewed from above
Brake:	Auto action roller clutch - will not run back
Cable size:	Boats to 6 metre (20ft) use 16 mm ² - 6awg Boats to 11 metre (36ft) use 25 mm ² - 2awg
Accessories:	Footswitch supplied as standard Slow reaction circuit breaker recommended extra
Winch sizing:	There are no absolute rules about winch size to boat size. This product is designed for use on typical private pleasure craft. Winch / boat sizes shown are based on installations that have proved satisfactory for many years.



Using your anchor capstan

Standing or kneeling behind the winch, simply wind up to three turns (maximum) of anchor line around the drum in a clockwise direction. Maintain a light "tailing" pull onto the free end and start the capstan. As the capstan rotates, lightly pull the line hand over hand keeping up with the speed of the winch. The capstan does all the hard work for you.

Stop and hold if required. When recovering your anchor, first start the engine. In strong winds, tides, currents or in deep water, use a little engine power to come up over the anchor as the capstan is used. Never stall the capstan and do not run it at low speed for any extended time. Use one continuous and smooth recovery and do not repeatedly start/stop. If the anchor is stuck, use a little engine power and the weight of the boat to pull free.

Where to install your anchor capstan

At the front of the boat so that the anchor line passes smoothly from the stem head roller, around the drum and to a position where you can tail the line comfortably. Footswitches can be positioned on deck, on the cabin floor, or under a squab. Make sure the winch motor is in a dry position and is easily accessible for inspection and external maintenance.

How to install your anchor capstan

Using the template provided, cut the central hole and drill the small holes for the deck studs. Note the position of the stud holes relative to bow and stern to give maximum strength. In fibreglass or wood decks, seal the edges of the cut. If in doubt about deck strength, use a spreader plate under the deck. Longer or shorter deck studs can be easily made up if required. Slip the winch into the prepared position with a coating of soft set silicone sealant at the mating face.

Wire up making sure polarity is correct. The winch will only run clockwise. A quick push of the switch will check this. Each winch is load tested before leaving the factory, so if it does not go, there may be a problem with the installation.

Ensure all terminals (motor, switch, breaker, battery etc) are firmly tightened. Finally protect the motor and terminal ends as described under "Maintenance"

manufactured by

James Nilsson Ltd

WINCHMAKERS - AUCKLAND, NEW ZEALAND

Email: sales@jamesnilsson.co.nz. Web: www.jamesnilsson.com

Fax: (**64(9) 444 5222 Tel: (**64(9) 444 5219