

# CHOOSE YOUR WINDLASS

## ELECTRIC OR HYDRAULIC?

**Electric direct current (DC) motorisation** is the most popular one, while its maintenance is very limited. This kind of motor is used for vessels up to 90 feet of length.

**Electric alternate current (AC) motorisation** is suitable for boats from 90 up to 120 feet of length which have generators on board. AC motors offer sufficient torque; they have simple installation and require limited maintenance.

**Hydraulic motorisation** provides the advantage of supplying constant torque while the load changes. These motors are very popular on boats of over 120 feet length, and require specific installation.

## MAXIMUM PULL & WORKING LOAD

Maximum pull is the maximum pull that the windlass is able to supply instantly (for a few seconds). Working load simulates the operating conditions. The ampere drawing and the speed data indicated in the catalogue refer to this load.

## PROPER WINDLASS SELECTION

The steps to select a vertical or horizontal windlass are:

- 1 Check the windlass model - boat length chart, and choose the proper model accordingly.
- 2 Calculate the ground tackle by adding up the anchor weight, the total chain weight and the rope weight on board.
- 3 Find the suitable model in the catalogue, check the table, and make sure that the ground tackle does not exceed its working load with a tolerance + 10%.

# VERTICAL WINDLASSES

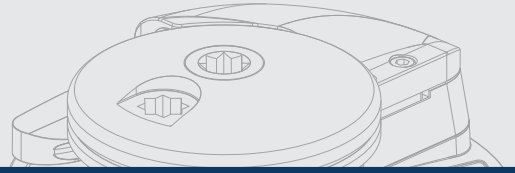
		Boat Length																	
Model   Motor Size		20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	ft		
X1	500W	■	■	■	■	■													
	800W		■	■	■	■	■												
	1000W			■	■	■	■	■	■										
X2	800W			■	■	■	■	■	■	■									
	1000W				■	■	■	■	■	■	■								
X3	1500W					■	■	■	■	■	■	■							
	1700W						■	■	■	■	■	■	■						
X4	2300W							■	■	■	■	■	■	■					
	2700W								■	■	■	■	■	■	■				
	HYD 8cc									■	■	■	■	■	■	■			
			6	9	12	15	18	21	24	27	m								

		Boat Length																	
Model   Motor Size		85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	ft	
ERCOLE VERTICAL	DC 3500W		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		
	AC 4000W			■	■	■	■	■	■	■	■	■	■	■	■	■	■		
	AC 5500W				■	■	■	■	■	■	■	■	■	■	■	■	■		
	AC 7500W					■	■	■	■	■	■	■	■	■	■	■	■		
	HYD 11cc						■	■	■	■	■	■	■	■	■	■	■		
			24	27	30	34	37	40	43	45	m								

		Boat Length																			
Model   Motor Size		20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	110	120	ft
SX1	500W	■	■	■	■	■															
	800W		■	■	■	■	■														
SX2	1000W			■	■	■	■	■													
	1500W				■	■	■	■	■	■											
SX3	1500W					■	■	■	■	■	■										
	1700W						■	■	■	■	■	■									
SX3.5	2300W							■	■	■	■	■	■								
	2700W								■	■	■	■	■	■							
	HYD 8cc									■	■	■	■	■	■	■	■				
SX4	2300W									■	■	■	■	■	■	■	■				
	2700W										■	■	■	■	■	■	■	■			
SX5	3000W															■	■	■	■	■	■
	HYD 8cc																■	■	■	■	■
SX7	DC 3500W																				
	AC 4000W																				
	HYD 8cc																				
			6	9	12	15	18	21	24	27	30	m									

Conditions of Usage: ■ Heavy ■ Light



# X1

## Vertical Windlass

500 W / 800 W / 1000 W



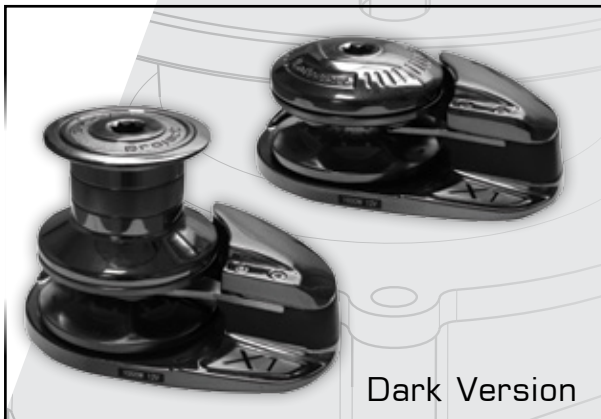
Low Profile



With Drum

### Main Features

- Marine anodised aluminium & chrome plated construction
- With drum or low profile
- Independent gypsy and drum operation
- Rope and chain combination gypsy
- Manual chain release
- Chain & rope management by the spring loaded arm
- Chain counter magnet pre-installed as standard
- IP67 motor cover
- Marine anodised aluminium gearbox



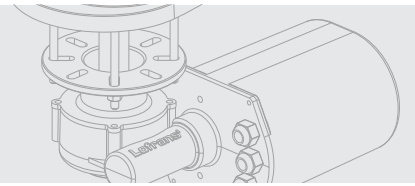
Dark Version

### Standard Equipment

- Dual direction solenoid pack
- Handle
- Gypsy for chain & rope
- QR code card for Instruction Manual



# X1 Vertical Windlass

500 W / 800 W / 1000 W





Construction			Anodised Aluminium		
Motor Size			500 W	800 W	1000 W
Power Supply (V)			12	12	12
Maximum Pull (kg)			630	700	900
Working Load (kg)			95	100	125
Amps at Working Load (A)			60	110	125
Line Speed at Working Load (m/min)			23	25	18
Max. Line Speed (m/min)			26	28	30
Net Weight Low Profile (kg)			10	13	16
Net Weight with Drum (kg)			11	14	17

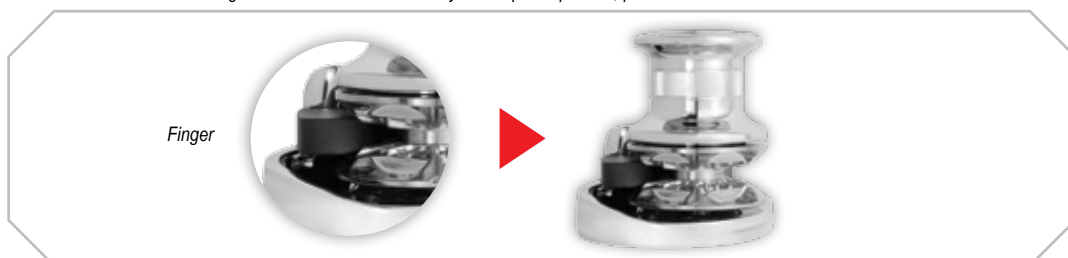
X1			Code	Code	Code
With Drum	6 mm, ISO 4565 / DIN 766	10-12 mm, 3-strand	409558	602108	*
	8 mm, ISO 4565 / DIN 766	12 mm, 3-strand	600980	602109	*
Low Profile	6 mm, ISO 4565 / DIN 766	10-12 mm, 3-strand	409557	602106	*
	8 mm, ISO 4565 / DIN 766	12 mm, 3-strand	57449	602107	*

Construction			Chrome Plated		
Motor Size			500 W	800 W	1000 W
Power Supply (V)			12	12	12
Maximum Pull (kg)			630	700	900
Working Load (kg)			95	100	125
Amps at Working Load (A)			60	110	125
Line Speed at Working Load (m/min)			23	25	18
Max. Line Speed (m/min)			26	28	30
Net Weight Low Profile (kg)			11	13	16
Net Weight with Drum (kg)			12	14	17

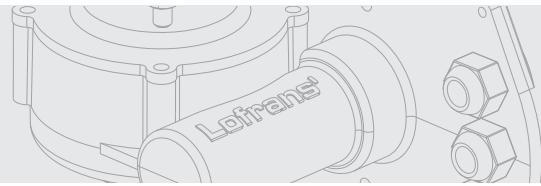
X1			Code	Code	Code
With Drum	6 mm, ISO 4565 / DIN 766	10-12 mm, 3-strand	472881	473207	*
	8 mm, ISO 4565 / DIN 766	12 mm, 3-strand	187270	473003	600092
Low Profile	6 mm, ISO 4565 / DIN 766	10-12 mm, 3-strand	472880	473217	*
	8 mm, ISO 4565 / DIN 766	12 mm, 3-strand	187269	473002	600093

For additional options on compatible gypsies, please refer to page 9.  
 If you are interested in an alternative configuration not listed above or any other special product, please contact our team. Product codes with \* are available upon request.



# X1 Vertical Windlass

## Dark Version





With Drum



Low Profile

### Dark Version

Motor Size	500 W	800 W	1000 W
Power Supply (V)	12	12	12
Maximum Pull (kg)	630	700	900
Working Load (kg)	95	100	125
Amps at Working Load (A)	60	110	125
Line Speed at Working Load (m/min)	23	25	18
Max. Line Speed (m/min)	26	28	30
Net Weight Low Profile (kg)	10	13	16
Net Weight with Drum (kg)	11	14	17

X1			Code	Code	Code
With Drum	8 mm, ISO 4565 / DIN 766	12 mm, 3-strand	*	636702	*
Low Profile	6 mm, ISO 4565 / DIN 766	10-12 mm, 3-strand	636206	636433	*
	8 mm, ISO 4565 / DIN 766	12 mm, 3-strand	636700	636432	636701

For additional options on compatible gypsies, please refer to the next page.

If you are interested in an alternative configuration not listed above or any other special product, please contact our team. Product codes with \* are available upon request.

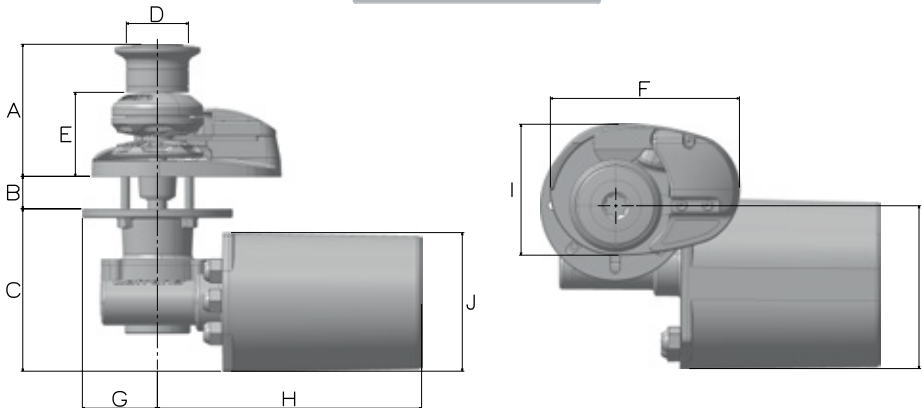


# X1 Vertical Windlass

500 W / 800 W / 1000 W



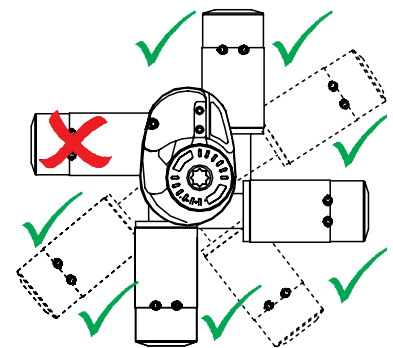
## Dimensions (mm)



Model	A	B	C	D	E*	F	G	H	I	J	L
500 W	130	10-30	111	Ø60	84	183	55	236	127	105	132
800 W	130	10-30	111	Ø60	84	183	55	236	127	105	132
1000 W	130	10-30	150	Ø60	84	183	55	256	127	134	165

\*Low Profile height dimensions.

## Installation positions



## Compatible Chains



Code	Chain Size	Pack (m)
72749	6 mm, ISO 4565 / DIN 766	30
72751	8 mm, ISO 4565 / DIN 766	30

More available packs (see pages 87)

## Compatible Gypsies



Code	Gypsy Size
630970	6 mm, ISO 4565 / DIN 766
630980	7 mm, ISO 4565 - 1/4" G40
630999	8 mm, ISO 4565 / DIN 766

## Optional Accessories

- Foot Switch
- Control Switch
- Circuit Breaker
- Chain Counter
- Hand Held Control
- Radio Control



**KEEP YOUR LOFRANS' AS GOOD AS NEW!**



## Maintenance Kit for X1

Code I 72037

Please refer to Deck Hardware & Accessories section for control and installation products (pages 76-89).