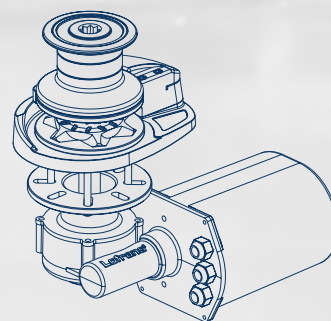
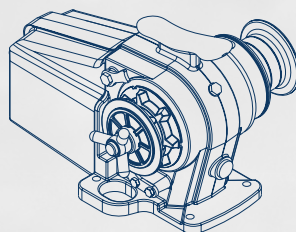
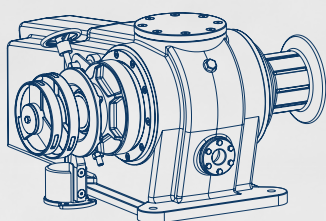
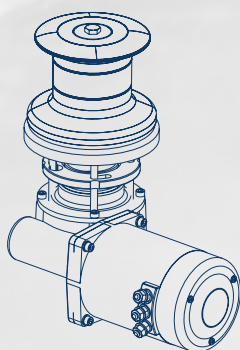


Lofrans!®



W I N D L A S S E S

T H E O R I G I N A L W I N D L A S S



Quality, Safety & Reliability since 1966



1966

Lofrans' was founded in 1966 in Monza.

Since the beginning, it has been dedicated to designing and manufacturing high-quality windlasses and anchor management solutions that combine top performance, absolute safety and reliability.

For decades, "The Original Windlass" manufacturer offers stylish and innovative options with cutting-edge technology, while serving mega yachts' market with customised solutions upon request.

Well-reputed boat builders from all over the world have been trusting Lofrans' windlasses for their new builds.



Today

Being one of the most weather-beaten and mechanically challenged equipment on the deck, a windlass could not stand anything else than premium raw materials. Lofrans' utilises materials, able to resist corrosive effects that are common in the sea environment, such as AISI 316L stainless steel. Marine grade metals and electric motors designed to deliver high torque in all conditions, are used in order to offer the best possible efficiency.

With the latest CATIA CAD software, our engineers are constantly developing ideas and innovative solutions with regards to product evolution. The integration of these designs to our CAM system ensures that the switch from a conceptual idea to the actual produced component is achieved in a flawless manner.





Most of our components are produced by hot pressing, a technology which guarantees minimal porosity in the metal and superior mechanical features. The most exposed components are then chemically treated in order to slow down and minimise the process of marine corrosion.

During the production process in our factory, we carry out several dimensional tests on components and final products by use of our 3D coordinate measuring machine, as well as marine corrosion tests in a special marine environment chamber, which simulates the harshest of marine environments.

Our products meet the requirements of the most important classification societies such as RINA, BV, DNV and several others.

Additionally, we have been paying a lot of attention to the verticalisation of our production in order to make sure that we will keep our quality to the highest level.

Major investments have also been made to support our back office, such as the set-up of SAP & ERP software, the installation of a WMS (Warehouse Management System) integrated with hand held scanner order picking, additional Product Quality Assurance systems and distributor order automation via an in-house B2B ordering tool. Online spare parts ordering with very simple steps has been also set.

We have also established a ticketing system that brings together our customers & our technical department, facilitating communication in a prompt and direct way.

An integral part of Lofrans' is the worldwide network of official distributors in key markets of the industry, that guarantee the sales and service of the "original windlass".

Quality, Safety & Reliability since 1966

T H E O R I G I N A L W I N D L A S S

CONTENTS

06



X1

X1 Dark Version

22



SX3

36



LION 1000

10



X2

X2 Dark Version

24



SX3,5

38



DORADO

26



SX4

40



RAZZA

14



X3

28



SX5

42



GECKO

16



X4

30



SX7

44



CAYMAN

18



SX1

32



ERCOLE VERTICAL

46



KOBRA

20



SX2

34



ROYAL

48



Rope Kit

TIGRES

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																		
	1500W																		
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									

Conditions of Usage:  Heavy  Light

		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	1700W																				
	2300W																				
	2700W																				
	HYD 8cc																				
SX4	2300W																				
	2700W																				
	HYD 8cc																				
SX5	3000W																				
	HYD 8cc																				
SX7	DC 3500W																				
	AC 4000W																				
	HYD 8cc																				
		6	9	12	15	18	21	24	27	30											

X1

Vertical Windlass

500 W / 800 W / 1000 W



Low Profile



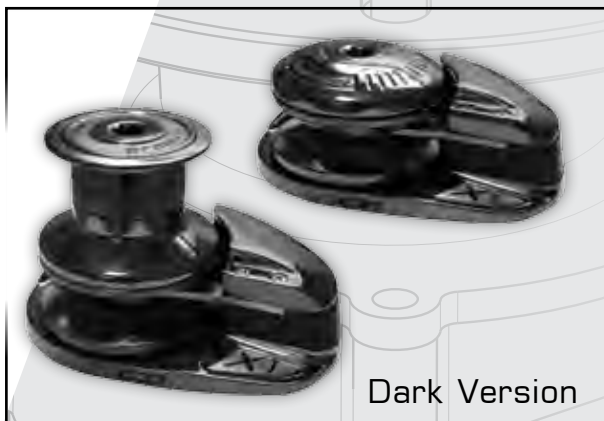
With Drum

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

Standard Equipment

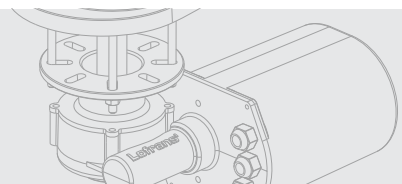
- Dual direction solenoid pack
- Handle
- Gypsy for chain & rope
- QR code card for Instruction Manual



Dark Version

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.

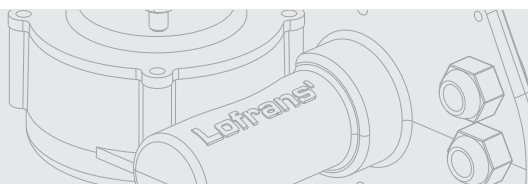
If you are interested in an alternative configuration not listed above or any other special product, please contact our team. Product codes with * are available upon request.



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.

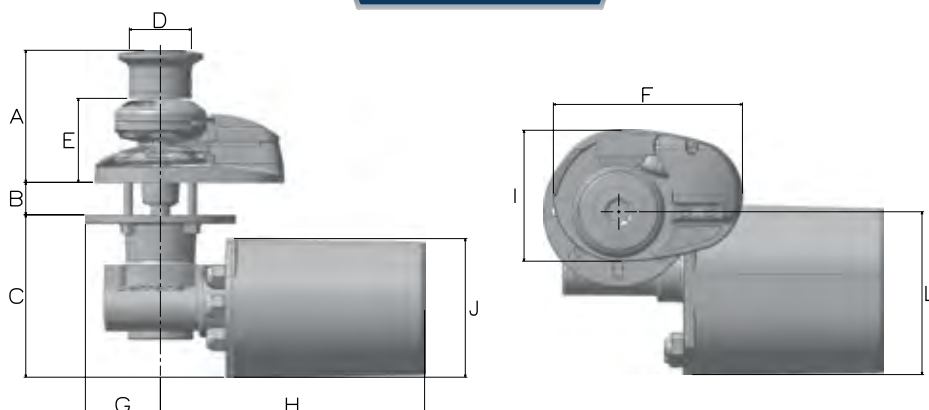
Lofrans' designed
marine anodised
aluminium gearbox



IP67
motor cover

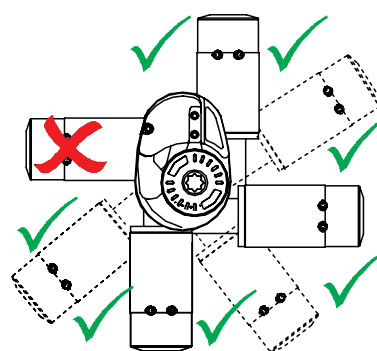
X1**Vertical Windlass**

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).

X2

Vertical Windlass

800 W / 1000 W / 1500 W



Low Profile



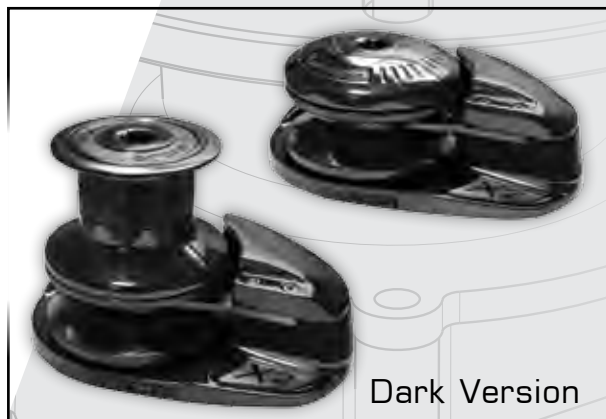
With Drum

Main Features

- Marine anodised aluminium & chrome plated construction
- Special watertight stainless steel ball bearing in the base
- With drum or low profile
- Independent gypsy and drum operation
- Rope and chain combination gypsy
- Manual chain release
- Manual override available for chrome plated models and dark version only (800 W chrome variant does not have the manual override function)
- Chain & rope management by the spring loaded arm
- Chain counter magnet pre-installed as standard
- IP67 motor cover
- Marine anodised aluminium gearbox

Standard Equipment

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

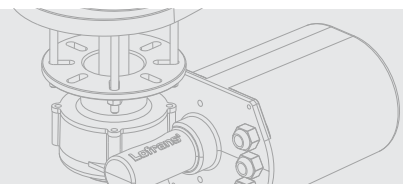


Dark Version



X2

Vertical Windlass



800 W / 1000 W / 1500 W



Construction			Anodised Aluminium				
Motor Size			800 W	1000 W		1500 W	
Power Supply (V)			12	12	24	12	24
Maximum Pull (kg)			850	1000	1060	1200	1270
Working Load (kg)			115	150	160	165	175
Amps at Working Load (A)			110	117	59	130	65
Line Speed at Working Load (m/min)			30	20	23	17	19
Max. Line Speed (m/min)			35	40	40	40	40
Net Weight Low Profile (kg)			18	19	23	24	24
Net Weight with Drum (kg)			19	20	24	25	25

X2			Code	Code	Code	Code	Code
With Drum	6 mm, ISO 4565 / DIN 766	-	600044	600049	601062	*	*
	8 mm, ISO 4565 / DIN 766	14 mm, 3-strand	472735	472751	472750	600057	600061
	10 mm, DIN 766	-	*	601052	601064	601057	601068
	10 mm, ISO 4565	-	*	600053	601063	600056	600060
Low Profile	6 mm, ISO 4565 / DIN 766	-	600045	600050	601058	*	*
	8 mm, ISO 4565 / DIN 766	14 mm, 3-strand	472558	472557	601059	601053	601065
	10 mm, DIN 766	-	*	601049	601061	601055	601067
	10 mm, ISO 4565	-	*	57450	601060	601054	601066

Construction			Chrome Plated				
Motor Size			800 W	1000 W		1500 W	
Power Supply (V)			12	12	24	12	24
Maximum Pull (kg)			850	1000	1060	1200	1270
Working Load (kg)			115	150	160	165	175
Amps at Working Load (A)			110	117	59	130	65
Line Speed at Working Load (m/min)			30	20	23	17	19
Max. Line Speed (m/min)			35	40	40	40	40
Net Weight Low Profile (kg)			21	23	23	24	24
Net Weight with Drum (kg)			23	24	24	25	25

X2			Code	Code	Code	Code	Code
With Drum	6 mm, ISO 4565 / DIN 766	-	600046	600997	601034	*	*
	8 mm, ISO 4565 / DIN 766	14 mm, 3-strand	472862	473212	473255	602110	601042
	10 mm, DIN 766	-	*	602096	473227	187274	187276
	10 mm, ISO 4565	-	*	472863	601011	601013	601044
Low Profile	6 mm, ISO 4565 / DIN 766	-	600047	600989	601028	*	*
	8 mm, ISO 4565 / DIN 766	14 mm, 3-strand	472861	473213	600054	601006	601039
	10 mm, DIN 766	-	*	602097	473226	187273	601041
	10 mm, ISO 4565	-	*	472864	478642	601008	602529

For additional options on compatible gypsies, please refer to page 13.

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.

X2

Vertical Windlass

Dark Version



With Drum



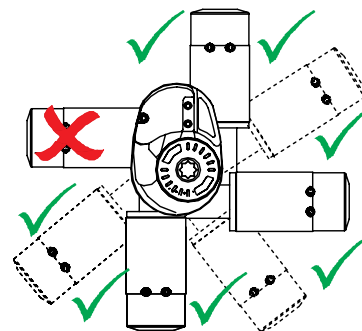
Low Profile

Dark Version

Motor Size	1000 W
Power Supply (V)	12
Maximum Pull (kg)	1000
Working Load (kg)	150
Amps at Working Load (A)	117
Line Speed at Working Load (m/min)	20
Max. Line Speed (m/min)	40
Net Weight Low Profile (kg)	19
Net Weight with Drum (kg)	20



Installation positions



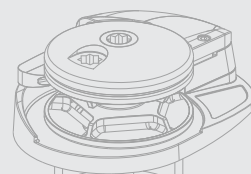
X2			Code
With Drum	8 mm, ISO 4565 / DIN 766	14 mm, 3-strand	636704
	10 mm, DIN 766	-	636708
	10 mm, ISO 4565	-	636706
Low Profile	8 mm, ISO 4565 / DIN 766	14 mm, 3-strand	636703
	10 mm, DIN 766	-	636707
	10 mm, ISO 4565	-	636705

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.

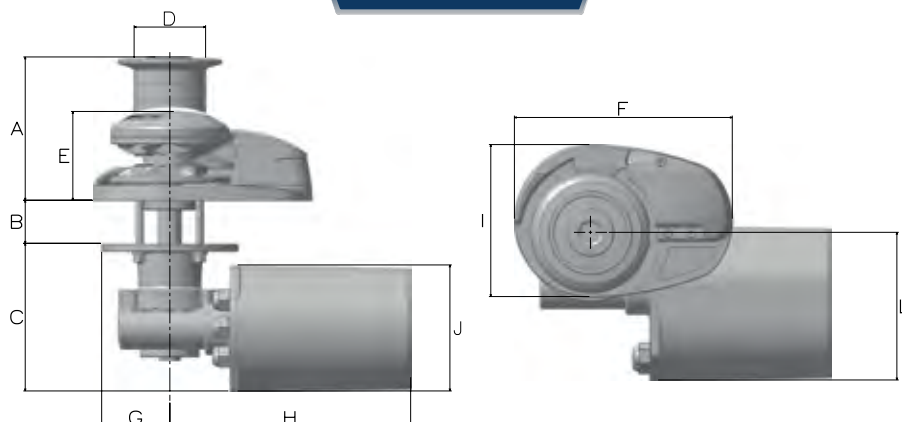
X2

Vertical Windlass

800 W / 1000 W / 1500 W



Dimensions (mm)



Model	A	B	C	D	E*	F	G	H	I	J	L
800 W	153	25-40	155	Ø76	94	232	62	244	162	Ø94	138
1000 W	153	25-40	155	Ø76	94	232	62	244	162	Ø114	138
1500 W	153	25-40	155	Ø76	94	232	62	244	162	Ø134	138

*Low Profile height dimensions.



Combine with

Compatible Gypsies



Code	Gypsy Size
630953	6 mm, ISO 4565 / DIN 766
630949	8 mm, ISO 4565 / DIN 766
630951	10mm, ISO 4565
630955	10mm, DIN 766

Chain Stopper



Lofrans' Chain Stopper, Stainless Steel, for ISO/DIN Chain 8/10/12mm

Code I 636257

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 X2

Code I 72038



Maintenance Kit for X2 ALU

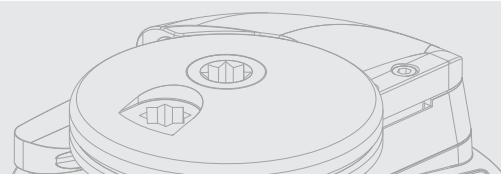
Code I 72039

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

X3

Vertical Windlass

1500 W / 1700 W



With Drum



Low Profile

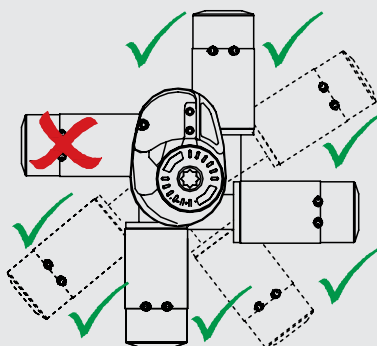
Main Features

- Marine anodised aluminium & chrome plated construction
- With drum or low profile
- Independent gypsy and drum operation
- Rope and chain combination gypsy
- Manual chain release
- Manual override available for chrome plated models only
- Chain & rope management by the spring loaded arm
- Chain counter magnet pre-installed as standard
- IP67 motor cover (up to 1500 W)
- Marine anodised aluminium gearbox

Standard Equipment

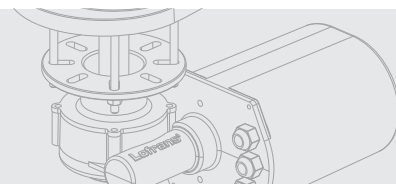
- Dual direction solenoid pack
- Handle
- Gypsy for chain & rope
- QR code card for Instruction Manual

Installation positions



X3 Vertical Windlass

1500 W / 1700 W



Construction		Anodised Aluminium			
Motor Size		1500 W		1700 W	
Power Supply (V)		12	24	12	24
Maximum Pull (kg)		1200	1200	1600	1695
Working Load (kg)		165	165	200	200
Amps at Working Load (A)		150	65	180	90
Line Speed at Working Load (m/min)		17	17	14	15
Max. Line Speed (m/min)		40	35	32	32
Net Weight Low Profile (kg)		32	32	32	35
Net Weight with Drum (kg)		35	35	35	38

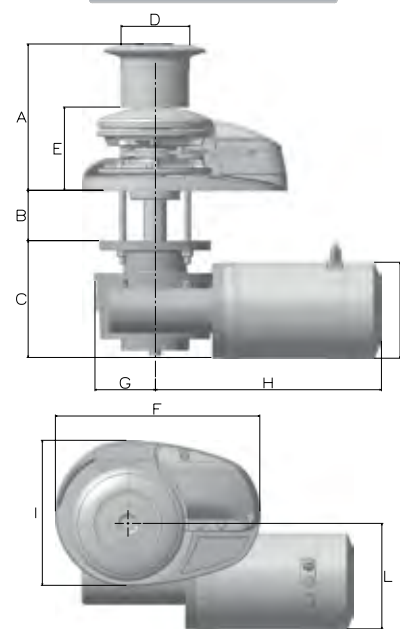
X3			Code	Code	Code	Code
With Drum	8 mm, ISO 4565 / DIN 766	14 mm, 3-strand	602243	602240	57451	601136
	10 mm, DIN 766	16 mm, 3-strand	602245	602242	57452	601139
	10 mm, ISO 4565	16 mm, 3-strand	602244	602241	601132	601137
	12 mm, ISO 4565 / 13mm, DIN 766	18 mm, 3-strand	*	*	57453	601138
Low Profile	8 mm, ISO 4565 / DIN 766	14 mm, 3-strand	602249	602246	601128	602238
	10 mm, DIN 766	16 mm, 3-strand	602251	602248	601131	601135
	10 mm, ISO 4565	16 mm, 3-strand	602250	602247	601129	601133
	12 mm, ISO 4565 / 13mm, DIN 766	18 mm, 3-strand	*	*	602237	601134

Construction		Chrome Plated			
Motor Size		1500 W		1700 W	
Power Supply (V)		12	24	12	24
Maximum Pull (kg)		1200	1200	1600	1695
Working Load (kg)		165	165	200	200
Amps at Working Load (A)		150	65	180	90
Line Speed at Working Load (m/min)		17	17	14	15
Max. Line Speed (m/min)		40	35	32	32
Net Weight Low Profile (kg)		32	32	35	35
Net Weight with Drum (kg)		35	35	38	38

X3			Code	Code	Code	Code
With Drum	8 mm, ISO 4565 / DIN 766	14 mm, 3-strand	601079	601102	600064	600068
	10 mm, DIN 766	16 mm, 3-strand	473228	473228	602101	602103
	10 mm, ISO 4565	16 mm, 3-strand	472865	478647	473208	473252
	12 mm, ISO 4565 / 13mm, DIN 766	18 mm, 3-strand	601084	601107	473004	473005
Low Profile	8 mm, ISO 4565 / DIN 766	14 mm, 3-strand	601070	601095	600065	601108
	10 mm, DIN 766	16 mm, 3-strand	602099	473218	602102	602104
	10 mm, ISO 4565	16 mm, 3-strand	472866	601097	473209	473256
	12 mm, ISO 4565 / 13mm, DIN 766	18 mm, 3-strand	601075	601098	472842	473006

For additional options on compatible gypsies, please check the relevant table.
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.

Dimensions (mm)



Model	A	B	C	D	E*	F
1500 W	195	50-70	165	Ø92	110	270
1700 W	195	50-70	165	Ø92	110	270

Model	G	H	I	J	L
1500 W	80	270	192	Ø114	135
1700 W	80	300	192	Ø126	135

*Low Profile height dimensions.

Combine with

Compatible Gypsies

Code	Gypsy Size
630957	8 mm, ISO 4565 / DIN 766
630966	10mm, DIN 766
630959	10mm, ISO 4565
630961	12mm, ISO 4565 / 13mm, DIN766

Optional Accessories

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



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

X4

Vertical Windlass

2300 W / 2700 W / Hydraulic - 8cc



Low Profile



With Drum

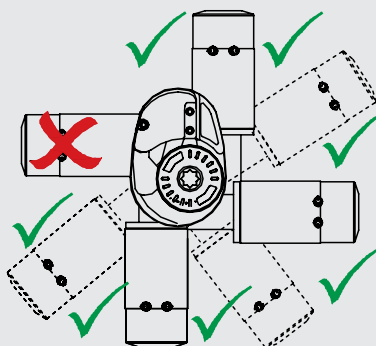
Main Features

- Chrome plated construction
- With drum or low profile
- Independent gypsy and drum operation
- Manual chain release
- Manual override
- Chain counter magnet pre-installed as standard
- Marine anodised aluminium gearbox
- Heavy duty electric motor

Standard Equipment

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

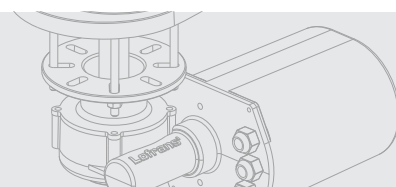
Installation positions



X4

Vertical Windlass

2300 W / 2700 W / Hydraulic - 8cc



Construction

Chrome Plated

Motor Size	2300 W	2700 W	Hydraulic - 8cc
Power Supply (V)	24	24	-
Maximum Pull (kg)	2000	2400	2500
Working load (kg)	500	530	650
Amps at Working Load (A)	160	170	-
Line Speed at Working Load (m/min)	12	12	16
Max Line Speed (m/min)	25	28	16
Net Weight Low Profile (kg)	72	75	55
Net Weight with Drum (kg)	82	85	60
Hydraulic Pressure (bar)	-	-	200
Hydraulic Flow (lt/min)	-	-	32

X4	Type**	Code	Code	Code
With Drum	10 mm, ISO 4565	CW	600073	601167
	12 mm, ISO 4565 / 13mm, DIN 766	CW	473007	600075
	14 mm	CW	476292	472849
	12 mm, ISO 4565 / 13mm, DIN 766	CCW	600074	600076
	14 mm	CCW	601150	601175
Low Profile	12 mm, ISO 4565 / 13mm, DIN 766	CCW	601142	601159

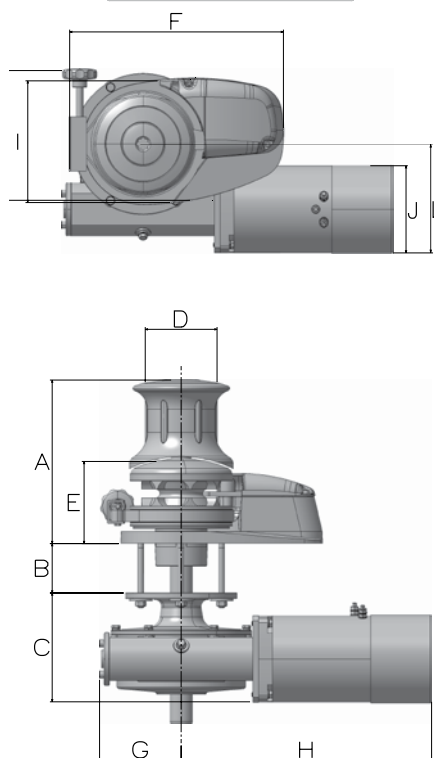
For additional options on compatible gypsies, please check below.

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.

** cw: the windlass pulls clockwise. ccw: the windlass pulls counter clockwise

Dimensions (mm)



Model	A	B	C	D	E*	F	G	H	I	J	K	L
2300 W	285	60-130	200	Ø125	150	380	140	480	220	Ø152	240	190
2700 W	285	60-130	200	Ø125	150	380	140	480	220	Ø152	240	190

* Low Profile height dimensions.

** For Hydraulic version dimensions please see page 90.

Compatible Gypsies



Code	Gypsy Size
630996	8mm ISO4565/DIN766
631036	1/2" G40
631132	10mm DIN766 3/8" BBB
636570	10mm ISO4565 3/8" HT
636572	12-13mm DIN766
631033	1/2" BBB
631059	14mm

Chain Stopper



Lofrans' Chain stopper, Stainless Steel, for normal chain 12/13/14mm

Code I 72191

Optional Accessories

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

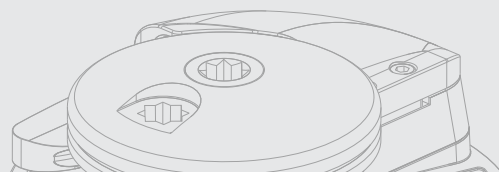


Please refer to Deck Hardware & Accessories section for control and installation products (pages 76-89).

SX1

Vertical Windlass

500 W / 800 W



Low Profile



Main Features

- Compact round base design
- Marine AISI 316L Stainless Steel construction
- Manual chain release
- Chain counter magnet pre-installed as standard
- IP67 motor cover
- Marine anodised aluminium gearbox
- Chain pipe available as an option

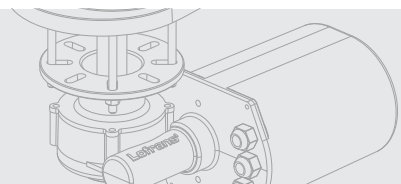
Standard Equipment

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

SX 1

Vertical Windlass

500 W / 800 W

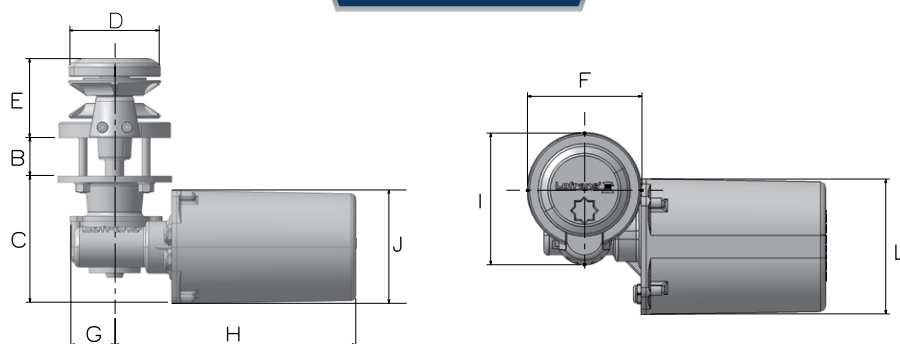


Construction	AISI 316L Stainless Steel	
Motor Size	500 W	800 W
Power Supply (V)	12	12
Maximum Pull (kg)	630	700
Working Load (kg)	95	100
Amps at Working Load (A)	75	80
Line Speed at Working Load (m/min)	23	25
Max. Line Speed (m/min)	26	28
Net Weight Low Profile (kg)	11	13

SX1		Code	Code
With Drum	6 mm, ISO 4565 / DIN 766	636279	636281
	8 mm, ISO 4565 / DIN 766	*	636280

For additional options on compatible gypsies, please check below.
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.

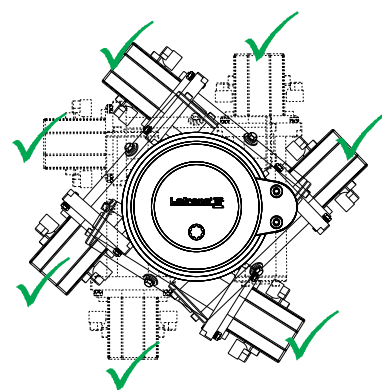
Dimensions (mm)



Model	B	D	C	E	F	G	H	I	J	L
500 W	18-30	Ø90	124	74	Ø110	55	237	128	110	120
800 W	18-30	Ø90	124	74	Ø110	55	237	128	110	120

*Low Profile height dimensions.

Installation positions



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

Combine with

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



Optional Accessories

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

SX2

Vertical Windlass

1000 W / 1500 W



With Drum



Low Profile

Main Features

- Compact round base design
- With drum or low profile
- Marine AISI 316L Stainless Steel construction
- Independent gypsy and drum operation
- Manual chain release
- Chain counter magnet pre-installed as standard
- IP67 motor cover
- Marine anodised aluminium gearbox
- Chain pipe available as an option

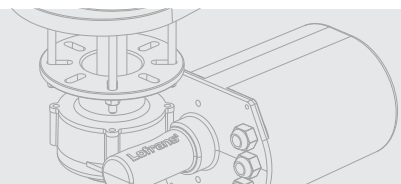
Standard Equipment

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


SX2

Vertical Windlass

1000 W / 1500 W

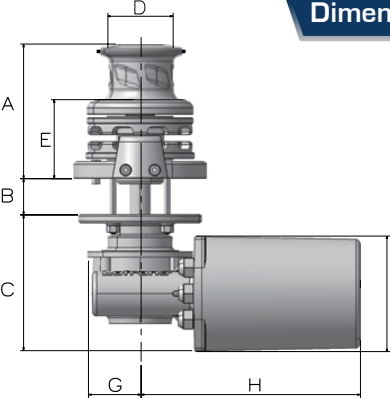
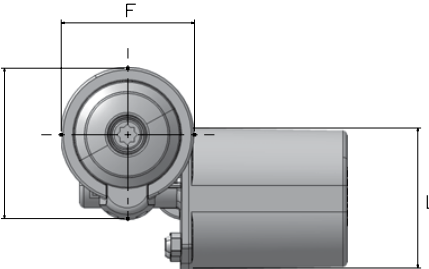


Construction		AISI 316L Stainless Steel			
Motor Size		1000 W		1500 W	
Power Supply (V)		12	24	12	24
Maximum Pull (kg)		1000	1060	1200	1270
Working Load (kg)		150	160	165	175
Amps at Working Load (A)		135	70	150	75
Line Speed at Working Load (m/min)		20	23	17	19
Max. Line Speed (m/min)		40	40	40	40
Net Weight Low Profile (kg)		19	23	24	24
Net Weight with Drum (kg)		20	24	25	25

SX2		Code	Code	Code	Code
With Drum	8 mm, ISO 4565 / DIN 766	636283	*	*	636285
	10 mm, DIN 766	636653	*	*	*
Low Profile	8 mm, ISO 4565 / DIN 766	636282	*	*	636284

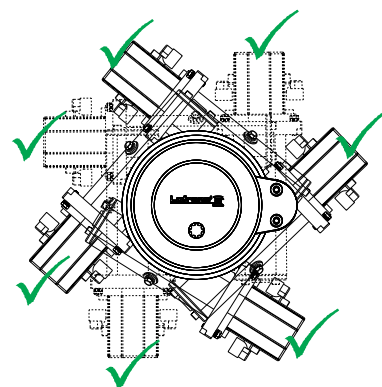
For additional options on compatible gypsies, please refer to page 84.

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.

Dimensions (mm)											
											
Model	A	B	C	D	E*	F	G	H	I	J	L
1000 W	159	25-40	157	Ø77	93	Ø157	62	259	177	134	265
1500 W	159	25-40	157	Ø77	93	Ø157	62	259	177	134	265

*Low Profile height dimensions.

Installation positions



Compatible Gypsies



Compatible Chains



Combine with

Chain Stopper



Chain Pipe



Optional Accessories

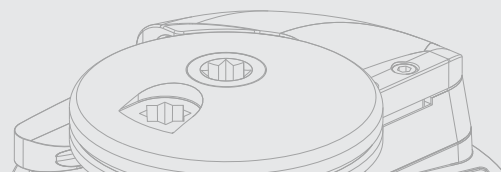


Please refer to Deck Hardware & Accessories section for control and installation products (pages 76-89).

SX3

Vertical Windlass

1500 W / 1700 W



With Drum



Low Profile

Main Features

- Compact round base design
- With drum or low profile
- Marine AISI 316L Stainless Steel construction
- Independent gypsy and drum operation
- Manual chain release
- Chain counter magnet pre-installed as standard
- IP67 motor cover (up to 1500 W)
- Marine anodised aluminium gearbox
- Chain pipe available as an option

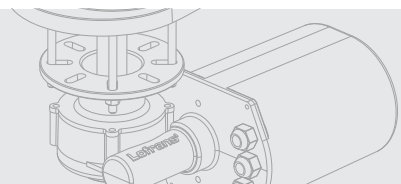
Standard Equipment

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

SX3

Vertical Windlass

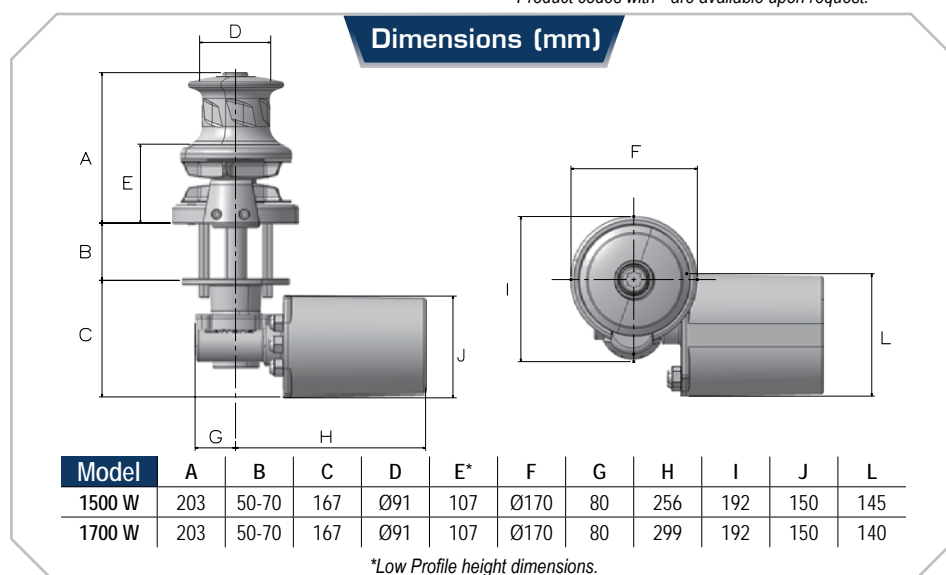
1500 W / 1700 W



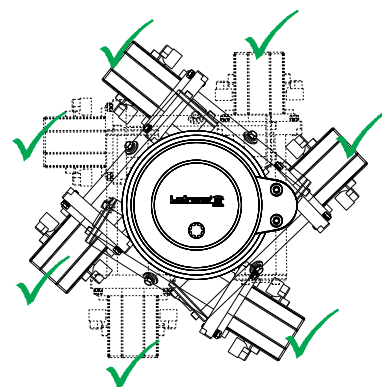
Construction		AISI 316L Stainless Steel			
Motor Size		1500 W		1700 W	
Power Supply (V)		12	24	12	24
Maximum Pull (kg)		1200	1200	1600	1695
Working Load (kg)		165	165	200	215
Amps at Working Load (A)		150	65	180	90
Line Speed at Working Load (m/min)		17	17	14	15
Max. Line Speed (m/min)		40	40	35	35
Net Weight Low Profile (kg)		32	32	35	35
Net Weight with Drum (kg)		35	35	38	38

SX3		Code	Code	Code	Code
With Drum	8 mm ISO 4565 / DIN 766	636598	*	*	*
	10 mm, DIN 766	636652	*	636591	636288
	10 mm, ISO 4565 - 3/8" HT	636658	*	*	*
	12 mm, ISO 4565 / 13mm, DIN 766	*	*	*	636287
Low Profile	10 mm, ISO 4565	636289	*	*	*
	12 mm, ISO 4565 / 13mm, DIN 766	*	*	*	636286

For additional options on compatible gypsies, please refer to page 84.
 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.



Installation positions



Compatible Gypsies



Compatible Chains



Combine with

Chain Stopper



Chain Pipe



Optional Accessories



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

SX3.5 Vertical Windlass

1700 W / 2300 W / 2700 W /
Hydraulic - 8cc



With Drum



Low Profile

Main Features

- Compact round base design
- Marine AISI 316L Stainless Steel construction
- With drum or low profile
- Independent gypsy and drum operation
- Manual chain release
- Chain counter magnet pre-installed as standard
- Marine anodised aluminium gearbox
- Heavy duty electric motor
- Chain pipe available as an option

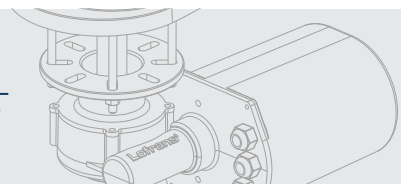
Standard Equipment

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

SX3.5

Vertical Windlass

1700 W / 2300 W / 2700 W /
Hydraulic - 8cc



Construction	AISI 316L Stainless Steel				
Motor Size	1700 W		2300 W	2700 W	Hydraulic - 8cc
Power Supply (V)	12	24	24	24	-
Maximum Pull (kg)	1700	1750	1900	2400	2500
Working Load (kg)	215	220	265	320	650
Amps at Working Load (A)	135	68	110	125	-
Line Speed at Working Load (m/min)	15	15	18	18	16
Max. Line Speed (m/min)	32	32	30	32	16
Net Weight Low Profile (kg)	50	50	60	60	55
Net Weight with Drum (kg)	48	48	58	58	60
Hydraulic Pressure (bar)	-	-	-	-	200
Hydraulic Flow (lt/min)	-	-	-	-	32

SX3.5		Code	Code	Code	Code	Code
With Drum	10 mm, ISO 4565	600084	600085	602372	*	*
	12 mm, ISO 4565 / 13mm, DIN 766	600086	600087	600088	602373	636392
	14 mm	*	*	*	600090	*
Low Profile	12 mm, ISO 4565 / 13mm, DIN 766	635984	635985	635986	636099	*
	14 mm	*	*	*	*	636208

For additional options on compatible gypsies, please refer to page 84.

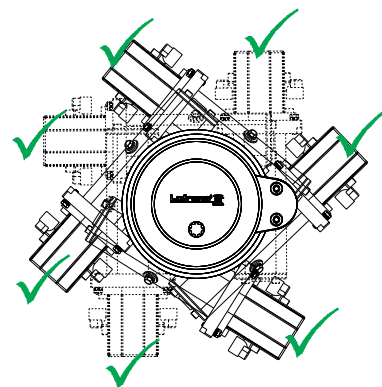
If you are interested in an alternative configuration not listed above or any other special product, please contact our team.

Product codes with * are available upon request.

Dimensions (mm)												
	A	B	C	D	E*	F	G	H	I	J	K	L
1700 W	281	40-60	165	Ø110	159	374	79	294	Ø190	Ø127	236	138
2300 W	281	40-110	165	Ø110	159	374	79	294	Ø190	Ø150	236	138
2700 W	281	40-110	165	Ø110	159	374	79	294	Ø190	Ø150	236	138

*Low Profile height dimensions. ** For Hydraulic version dimensions please see page 90.

Installation positions



Compatible Gypsies



Chain Stopper



Combine with

Chain Pipe



Optional Accessories

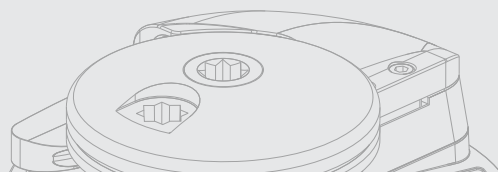


Please refer to Deck Hardware & Accessories section for control and installation products (pages 76-89).

SX4

Vertical Windlass

2300 W / 2700 W /
Hydraulic - 8cc



With Drum



Low Profile

Main Features

- Compact round base design
- Marine AISI 316L Stainless Steel construction
- With drum or low profile
- Independent gypsy and drum operation
- Manual chain release
- Chain counter magnet pre-installed as standard
- Marine anodised aluminium gearbox
- Manual override
- Chain pipe available as an option

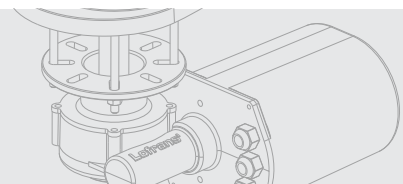
Standard Equipment


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

SX4

Vertical Windlass

2300 W / 2700 W / Hydraulic - 8cc



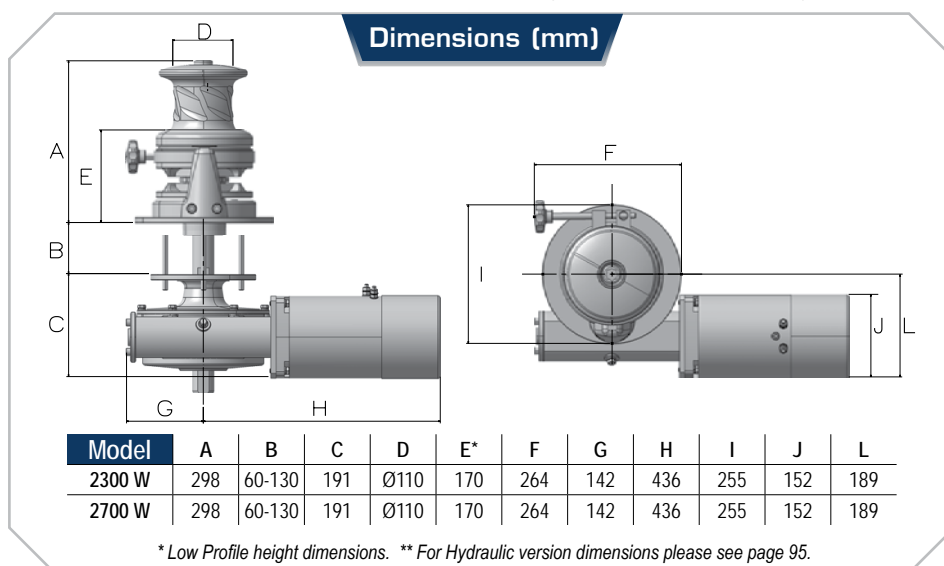
Construction			AISI 316L Stainless Steel		
Motor Size			2300 W	2700 W	Hydraulic - 8cc
Power Supply (V)			24	24	-
Maximum Pull (kg)			2100	2500	2500
Working load (kg)			500	530	650
Amps at Working Load (A)			160	170	-
Line Speed at Working Load (m/min)			13	13	16
Max Line Speed (m/min)			25	28	16
Net Weight Low Profile (kg)			72	75	55
Net Weight with Drum (kg)			82	85	60
Hydraulic Pressure (bar)			-	-	200
Hydraulic Flow (lt/min)			-	-	32
SX4		Type**	Code	Code	Code
With Drum	12 mm, ISO 4565 / 13mm, DIN 766	CW	636290	636291	636295
	14 mm	CW	*	636655	*
Low Profile	12 mm, ISO 4565 / 13mm, DIN 766	CW	636292	636293	636294
		CCW	*	639293	639294

For additional options on compatible gypsies, please refer to page 84.

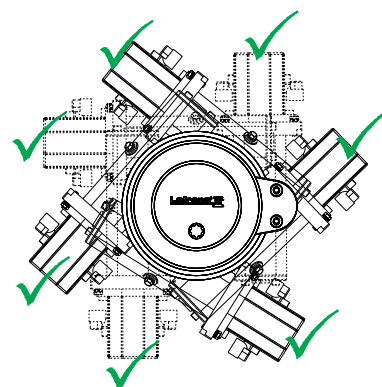
If you are interested in an alternative configuration not listed above or any other special product, please contact our team.

Product codes with * are available upon request.

** cw: the windlass pulls clockwise. ccw: the windlass pulls counter clockwise



Installation positions



Compatible Gypsies



Compatible Chains



Combine with

Chain Stopper



Chain Pipe



Optional Accessories

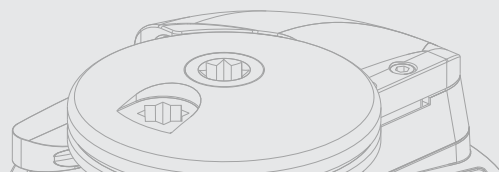


Please refer to Deck Hardware & Accessories section for control and installation products (pages 76-89).

SX5

Vertical Windlass

3000 W / Hydraulic - 8cc



With Drum

Low Profile



Main Features

- Compact round base design
- Marine AISI 316L Stainless Steel construction
- Independent gypsy and drum operation
- Manual chain release
- Manual override
- Chain counter magnet pre-installed as standard
- Marine anodised aluminium gearbox
- Heavy-duty electric motor
- Chain pipe available as an option

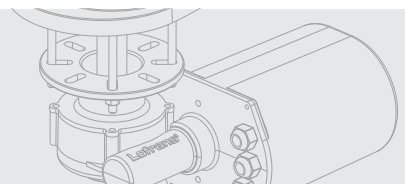
Standard Equipment

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

SX5

Vertical Windlass


3000 W / Hydraulic - 8cc



Construction

AISI 316L Stainless Steel

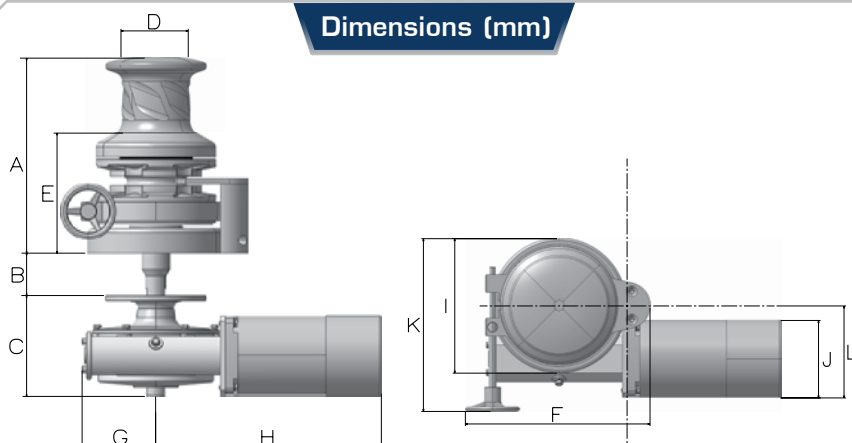
Motor Size	3000 W	Hydraulic - 8cc
Power Supply (V)	24	-
Maximum Pull (kg)	2800	2500
Working Load (kg)	760	680
Amps at Working Load (A)	210	-
Line Speed at Working Load (m/min)	17	21
Max. Line Speed (m/min)	33	21
Net Weight with Drum (kg)	100	85
Hydraulic Pressure (bar)	-	200
Hydraulic Flow (lt/min)	-	32

SX5		Type**	Code	Code
With Drum	12 mm, ISO 4565 / 13mm, DIN 766	cw	600089	602389
	14 mm	cw	600091	602390
		ccw	636463	602392
Low Profile	12 mm, ISO 4565 / 13mm, DIN 766	cw	636296	*

For additional options on compatible gypsies, please refer to page 84.
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.

** cw: the windlass pulls clockwise. ccw: the windlass pulls counter clockwise

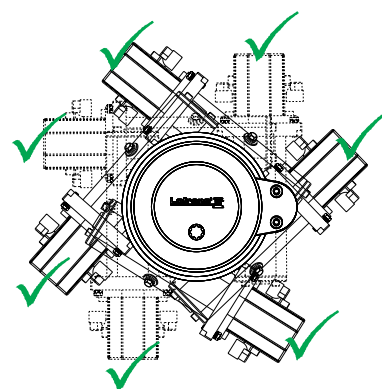
Dimensions (mm)



Model	A	B	C	D	E*	F	G	H	I	J	K	L
3000 W	378	60-90	186	Ø132	232	362	141	436	Ø264	Ø152	339	189

* Low Profile height dimensions. * For Hydraulic version dimensions please see page 90.

Installation positions



Compatible Gypsies



Compatible Chains



Combine with

Chain Stopper



Chain Pipe



Optional Accessories



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

SX7

Vertical Windlass

3500 W / 4000 W /
Hydraulic - 8cc



Main Features

- Compact round base design
- Marine AISI 316L Stainless Steel construction
- Independent gypsy and drum operation
- Manual chain release
- Chain counter magnet pre-installed as standard
- Marine anodised aluminium gearbox
- Available electric (DC or AC) and hydraulic motors
- Chain pipe included in the package

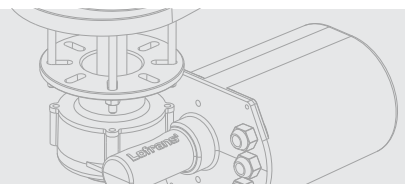
Standard Equipment

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


SX7

Vertical Windlass

3500 W / 4000 W / Hydraulic - 8cc



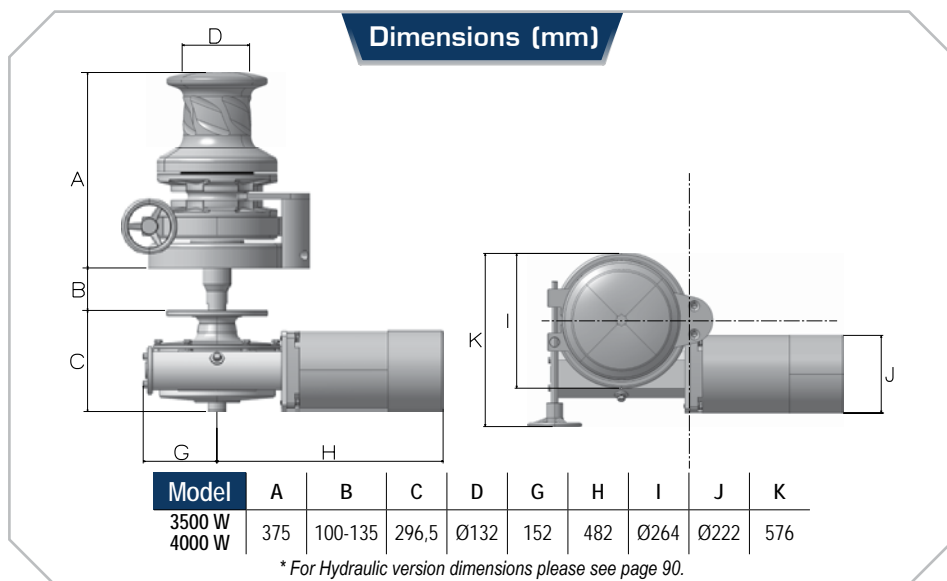
Construction		AISI 316L Stainless Steel		
Motor Size		3500 W	4000 W	Hydraulic - 8cc
Power Supply (V)		24	230-400	-
Maximum Pull (kg)		3000	3100	3700
Working Load (kg)		800	840	1000
Amps at Working Load (A)		240	-	-
Line Speed at Working Load (m/min)		7	8	10
Max. Line Speed (m/min)		9	10	10
Net Weight with Drum (kg)		160	160	145
Hydraulic Pressure (bar)		-	-	200
Hydraulic Flow (lt/min)		-	-	32

SX7		Type**	Code	Code	Code
With Drum	12 mm, ISO 4565 / 13mm, DIN 766	cw	636459	636520	636526
	14 mm	cw	636518	636522	636524
	12 mm, ISO 4565 / 13mm, DIN 766	ccw	636464	636521	636527
	14 mm	ccw	636519	636523	636525

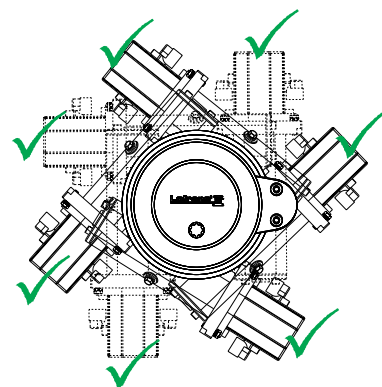
For additional options on compatible gypsies, please refer to page 84.

If you are interested in an alternative configuration not listed above or any other special product, please contact our team.

** cw: the windlass pulls clockwise. ccw: the windlass pulls counter clockwise



Installation positions



Compatible Gypsies



Code	Gypsy Size
631042	12-13mm DIN 766
631065	14mm
631082	16mm ISO 4565
631088	16mm DIN 766

Combine with

Compatible Chains



Optional Accessories



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

ERCOLE VERTICAL

Windlass

3500 W / 4000 W / 5500 W /
7500 W / Hydraulic - 11cc

RINA
Approved



Chain Pipe

Chain Roller

Main Features

- Under-deck compact dimensions
- Marine AISI 316L Stainless Steel construction
- High torque latest generation electric motor able to provide the power needed in all marine conditions
- Band brake to assist in chain control, thanks to an easy-to-manage large hand-wheel

- Special high-grip drum with independent rotation from the gypsy, for warping function
- Independent gypsy and drum operation
- Manual chain release
- Manual override to recover the chain and anchor in case of electrical failure
- Internal ratchet to prevent chain jams into the chain locker which could damage the deck
- Chain counter support integrated by the sensor inserted in the base and the magnet in the gypsy
- Available also in counter clockwise rotation
- High-efficiency Lofrans' planetary - worm screw gearbox made in anodised black aluminium with gears made in high mechanical strength material
- Heavy-duty electric motor
- Available electric (DC or AC) and hydraulic motors
- Available in custom versions

Standard Equipment

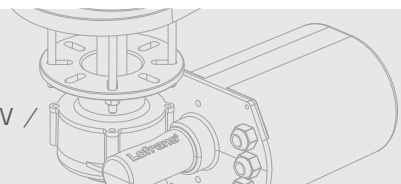
- Dual direction solenoid pack
- Handle
- Gypsy for chain
- QR code card for Instruction Manual

Please contact us for additional detailed documentation.

ERCOLE VERTICAL

Vertical Windlass

3500 W / 4000 W / 5500 W / 7500 W /
Hydraulic - 11cc



Construction

AISI 316L Stainless Steel

Motor Size	3500 W	4000 W	5500 W	7500 W	Hydraulic - 11cc
Power Supply (V)	24	230-400	230-400	400	-
Maximum Pull (kg)	4500	5500	6500	7500	6500
Working load (kg)	1075	1310	1550	2000	1550
Amps at Working Load (A)	120	9 - 14	9 - 14	20 - 25	-
Line Speed at Working Load (m/min)	8	12	12	12	12
Max Line Speed (m/min)	15	12	12	12	12
Net Weight with Drum (kg)	180	180	200	225	165
Hydraulic Pressure (bar)	-	-	-	-	200
Hydraulic Flow (lt/min)	-	-	-	-	40

ERCOLE VERTICAL	Type**	Code	Code	Code	Code	Code
With Drum	CW	14 mm	600080	600082	*	602523
		16 mm ISO 4565	600310	600367	600409	602525
		17,5 mm STUDLINK	*	*	30003	636078***
	CCW	14 mm	600081	600083	*	602524
		16 mm ISO 4565	600308	600363	600408	602526
		17,5 mm STUDLINK	*	*	30004	636079***

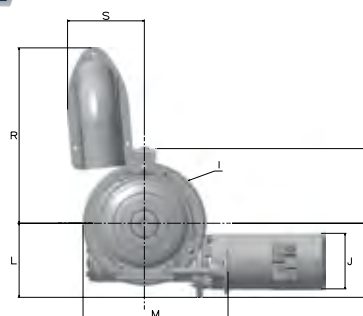
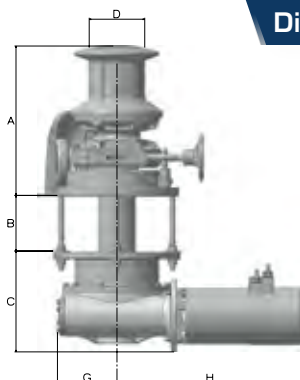
For additional options on compatible gypsies, please refer to page 84.

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.

** cw: the windlass pulls clockwise. ccw: the windlass pulls counter clockwise. *** Deck thickness 100mm

Dimensions (mm)



Model	A	B	C	D	G	H	I	J	L	M	N	P	R	S
3500 W	392	150	270	Ø150	160	502	Ø330	Ø158	205	420	195	205	min 490 - max 600	min 200 - max 230
4000 W						667								
5500 W						786								
7500 W														

* For Hydraulic version dimensions please see page 95.

Compatible Gypsies



Chain Stopper



Combine with

Kits

Code	Description
418428	KIT A - Seals
418475	KIT B - Screws
418499	KIT C - Pins
418556	KIT D - Circlips

Optional Accessories



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