

Liftstar "Offshore" Man Rider™ Series 330 to 2200 lb (150 to 1000 kg) capacity



Designed to the toughest Type Approval standards issued by the classification societies and meets NPD, NMD and UK HSE regulations for personnel lifting operations on offshore installations. The "Liftstar Man Rider" is a dedicated personnel lifting winch offered with Det Norske Veritas (DNV) Type Approval and full traceability.

■ Liftstar 150 kg / Pneumatic:

The LS150RLP...-E models have been specifically designed for personnel lifting applications in which a safety harness or a boatswain's chair is used on fixed installations. They have passed the DNV (Det Norske Veritas) EC testing for these applications, i.e., both the winches and their technical files are in compliance with the requirements of the EC Machinery Directives.

The LS150RLP-DP5M-F model is in compliance with section 28 of the NPD (Norwegian Petroleum Directorate) regulation for manriding applications using a safety harness in petroleum drilling and well activities on mobile/floating installations.

■ Pneumatic and hydraulic models— 500 and 1000 kg capacity:

For use with assemblies using a platform, basket, carrier, etc... These models should be considered "part machines," as they are intended for incorporation into an assembly consisting of a platform, a suspension system, etc... Therefore, they are delivered without the CE mark, but with a Declaration of Incorporation. However, since they are equipped with selected safety options, when the user applies for EC compliance of the entire personnel lifting system, the winch "part" will meet the EC requirements.

■ Standard features:

All models:

- Two independent automatic brakes: an internal oil bath multidisc brake and an external drum band brake. Each can hold 180% of SWL.
- Flange mounted overload protection device
- Direct lever control with fine inching characteristics and automatic return to neutral when brakes are applied
- Main air emergency stop (for air models only)
- High efficiency planetary gearing is inside drum for better protection and minimum overall dimensions
- Hot dip, galvanized drum guard
- Sandblasting, carbozinc primer and offshore paint 290µ
- 3.1b material traceability certificates according to DIN 50049 (EN 10204) for load bearing parts available upon request at time of order
- Stainless steel external brake cylinder and control rods
- All external fasteners larger than 10 mm are stainless steel or electro-zinc plated
- Delivered with skid frame for easy installation



LS1000RLP Man Rider

The LS150RLP...-E and the LS150RLP-DP5M-F models:

- Upper and lower limit switches
- Slack wire detector
- Assisting spooling device – for better rope winding at no load
- Pre-equipped emergency lowering device (pressurized nitrogen bottle not supplied)

Additional standard features:

- The LS150RLP...-E includes a CE manual for installation and operation
- The LS150RLP-DP5M-F includes a rope payout system and filter-regulator-lubricator assembly

■ Options

All models:

- Witness test(s) by a third party (DNV, Lloyd's, ABS, etc)

500 and 1000 kg capacity models

- Upper and lower limit switches
- Assisting spooling device
- Pre-equipped emergency lowering device for air model only (pressurized nitrogen bottle not supplied)
- Slack wire detector (electric on hydraulic models)

All models except LS150RLP-DP5M-F:

- PHS remote control piloted pendant allows infinitely variable up and down speeds with complete operator control. Fitted with an emergency stop device which acts directly on the main air flow

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Specifications – pneumatic models at 90 psi (6.3 bar)

Model no.	Rated working load		Hoisting speed ⁽¹⁾		Rec'd rope dia		Free air consumption		Motor power		Weight w/o rope	
	lbs	kg	fpm	m/min	in.	mm	scfm	m ³ /min	hp	kw	lbs	kg
LS150RLP-E	330	150	0 to 115	0 to 35	3/8	10	0 to 78	0 to 2.2	2	1.5	250	114
LS500RLP	1100	500	0 to 79	0 to 24	1/2	13	0 to 123	0 to 3.5	3	2.2	300	136
LS1000RLP	2200	1000	0 to 79	0 to 24	1/2	13	0 to 123	0 to 3.5	6	4.5	300	136

Specifications – hydraulic models

Model no.	Rated working load ⁽²⁾		Maximum speed ⁽³⁾		Rec'd rope dia		Maximum working flow		Working pressure		Weight w/rope	
	lbs	kg	fpm	m/min	in.	mm	gpm	l/min	psi	bar	lbs	kg
LS500HLP	1100	500	98	30	1/2	13	6.3	24	1499	105	638	290
LS1000HLP	2200	1000	98	30	1/2	13	9.8	37	1785	125	638	290

- (1) For hydraulic models: at last (4th) rated layer
- (2) For pneumatic models: at rated load
- (3) For pneumatic models: at mid-drum with rated load

Performance

13 mm rope at 1499 psi (105 bar) 6.3 gpm (24 l/min)

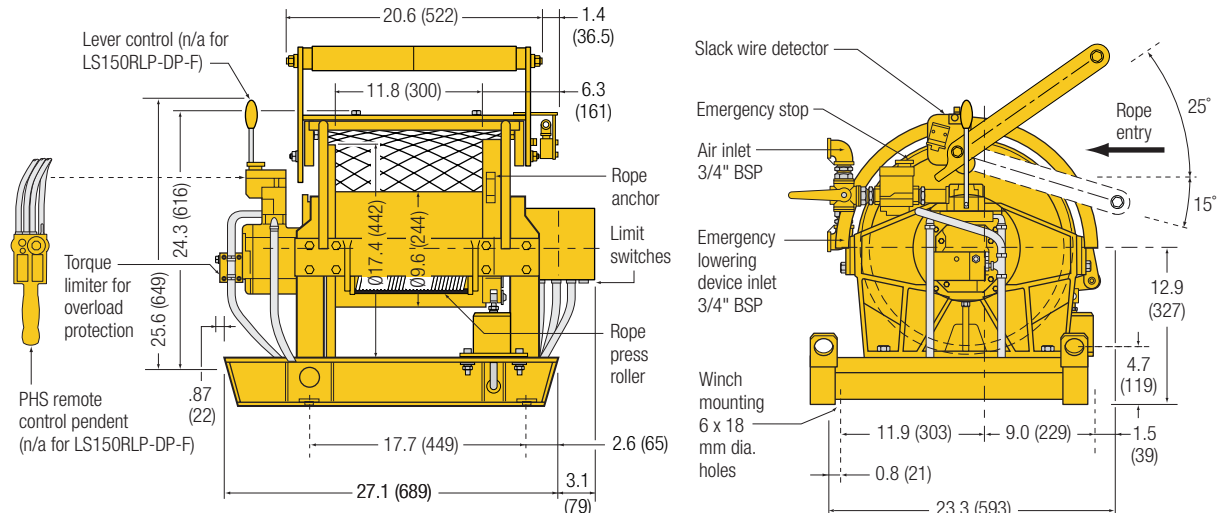
Model no.	Rated layers	Line pull		Line speed	
		lbs	kg	fpm	m/min
LS500HLP	1	1397	635	77.1	23.5
	2	1283	583	84.3	25.7
	3	1184	538	91.2	27.8
	4	1100	500	98.4	30.0

13 mm rope at 1785 psi (125 bar) 9.8 gpm (37 l/min)

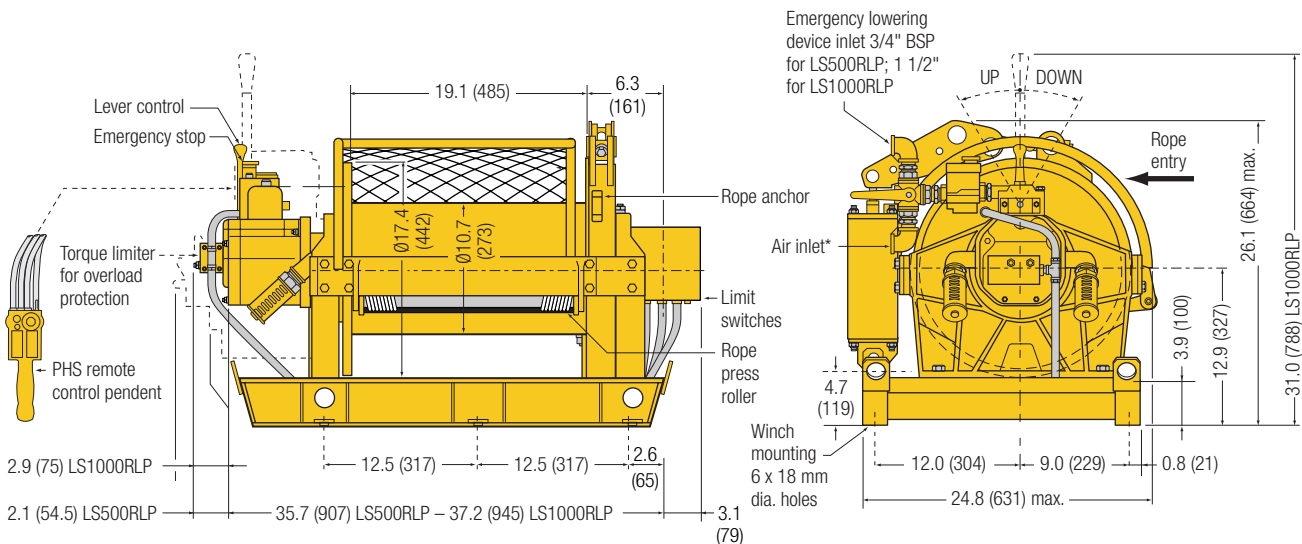
Model no.	Rated layers	Line pull		Line speed	
		lbs	kg	fpm	m/min
LS500HLP	1	2794	1270	77.1	23.5
	2	2565	1166	84.3	25.7
	3	2369	1077	91.2	27.8
	4	2200	1000	98.4	30.0

Dimensions

LS150RLP pneumatic winch in inches (mm)



LS500RLP and LS1000RLP pneumatic winches in inches (mm)



Dimensions are subject to change. Contact factory for certified prints

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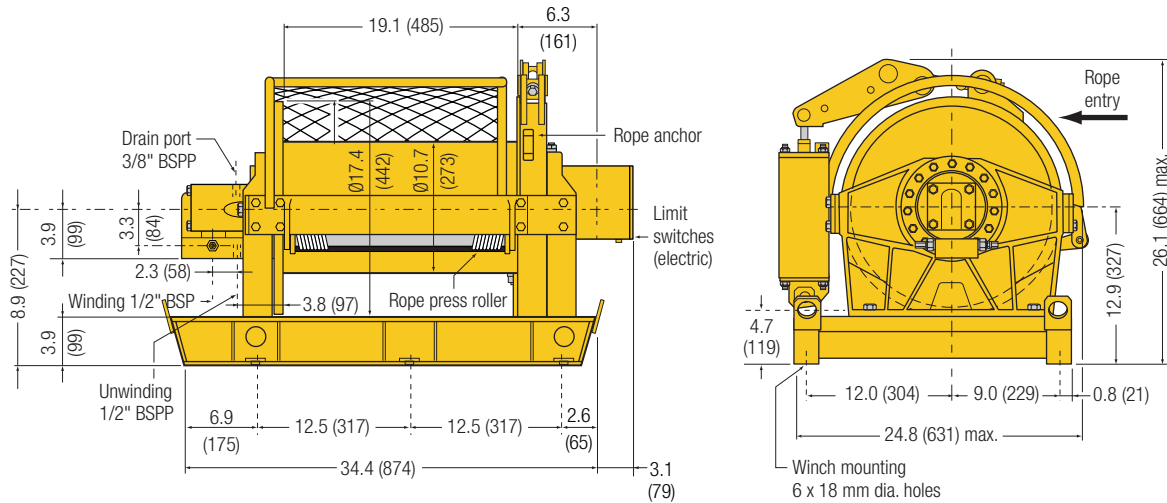
Cumulative rope capacity

Model no.	Rec'd rope dia.		Rope capacity according to number of layers ⁽¹⁾															
	in.	mm	1		2		3		4		5		6		7		8	
			ft	m	ft	m	ft	m	ft	m	ft	m	ft	m	ft	m	ft	m
<i>Pneumatic models</i>																		
LS150RLP-E	3/8	10	72	22	151	46	233	71	325	99	420	128	522	159	630	192	685	741
LS500RLP	1/2	13	102	31	213	65	335	102	466	142	597	185	754	230	-	-	-	-
LS1000RLP	1/2	13	102	31	213	65	335	102	466	142	597	185	754	230	-	-	-	-
<i>Hydraulic models</i>																		
LS500HLP	1/2	13	102	31	213	65	335	102	466	142	597	185	754	230	-	-	-	-
LS1000HLP	1/2	13	102	31	213	65	335	102	466	142	597	185	754	230	-	-	-	-

(1) Figures in bold type correspond to layers rated for personnel lifting.

Dimensions

LS500RLP and LS1000RLP hydraulic winches in inches (mm)



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How To Order:

Specify complete model code as shown. Specify options in the model code and accessories as a separate line. **Example: LS500RLP-L-S**

Series	Capacity	Power source	Personnel lift	-	Control	Rope take-off	Options
LS	500	R	LP	-	L	L	S
LS = Liftstar winch series	150-E = 150 kg / 330 lbs (Comes standard with European CE package) 500 = 500 kg / 1100 lbs 1000 = 1000 kg / 2200 lbs	R = Air H = Hydraulic (w/o control; brake valve and overload protection flanged as standard)	LP = Includes std features, i.e., second auto brake, skid and drum guard	-	L = Lever PH = PHS remote pendent (hose length on request; max. length 66 ft / 20 m) DP = Control console with full flow remote control valve (std length 8 ft / 2.5 m)	- = Horizontal B = Vertical (LS150RLP only)	10 = Grooved drum for 10 mm rope 13 = Grooved drum for 13 mm rope E = Emergency lowering system (option for 500 and 1000 kg models; std for all LS150RLP models) R = Press roller S = Upper and lower limit switches (option for 500 and 1000 kg models; std for all LS150RLP models) Y = Slack wire protection (option for 500 and 1000 kg models; std for all LS150RLP models)