



WARN Industrial Winch

Model

Part Number

Motor Type

**Series 15-S
Spydura ProMax
DC Electric Winch
Manual Clutch**

91053

DC Electric
12 Volt
Series Wound



The Series 15-S winch is equipped with Warn Spydura ProMax synthetic rope and a drum and fairlead designed specifically for synthetic winch rope. Spydura ProMax synthetic rope features improved strength and ease of handling over conventional wire rope as well as full length rope cover for improved abrasion and UV resistance.

The winch also features a weatherproof industrial contactor and heavy duty remote control. The disc brake is designed to hold full rated load and the motor is protected by a thermal over-load switch. Designed to meet CE standards.

Remote Control Assembly-10m, Synthetic Rope, and Hawse Fairlead included

Accessories

Description:
Kit-Synthetic Rope-Spydura ProMax-1/2" x 70ft
Kit-Fairlead-Hawse-12in-Syn Rope

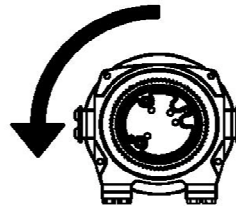
Part Number
91840
91690

Actual product may differ from photo. See drawing on page 2 for details.

Engineering Data

Rated Pulling Force:	15000 lbf	6804 kgf
Drum Barrel Diameter:	4.0 in	102 mm
Drum Flange Diameter:	8.24 in	209 mm
Distance Between Flanges:	9.7 in	246 mm
Recommended Maximum Rope Diameter:	1/2 in	12.7 mm
Recommended Min. Rope Breaking Strength:	29000 lbf	13154 kgf
Approximate Shipping Weight:	106.0 lb	48.1 kg
Duty Cycle (intermittent per SAE J706 section 6.2):	55 ft	16.8 m
Mounting Bolt Torque:	35 - 40 ft*lbf	47 - 54 N*m
Maximum Layers of Rope:	3 (with 1/2" dia. rope)	
Gear Reduction:	315:1	
Brake Type:	Disk	
Contactor / Remote Type:	Industrial contactor with 33' (10m) heavy duty remote	

Drum Rotation



Viewed from Motor End

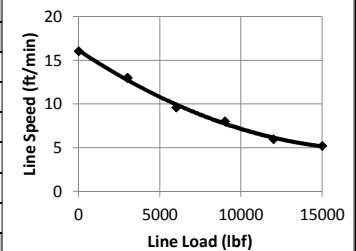
Standards Compliance

- 1.-CE Machinery Directive 98/37/EC and 2006/42/EC
- 2.-CE Electromagnetic Compatibility 2004/108/EC

Performance By Layer- 1/2" (12.7 mm) dia. rope

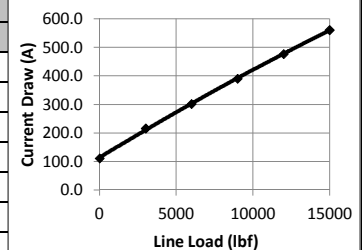
Drum Layer	Line Load *			No Load Line Speed		Drum Capacity	
	lbf	kgf	kN	ft/min	m/min	ft	m
1	15000	6804	66.7	16.1	4.9	19	5.8
2	12272	5566	54.6	19.6	6.0	43	13.1
3	10384	4710	46.2	23.2	7.1	70	21.3

* Never exceed the Rated Pulling Force. Installation of a Rated Capacity Limiter is recommended.



First Layer Performance

Line Load		Current Draw	Line Speed		Duty Cycle
lbf	kgf	Amps	ft/min	m/min	min/10min
0	0	111.0	16.1	4.9	6.2
3000	1361	216.0	13.0	4.0	2.3
6000	2722	302.0	9.6	2.9	1.4
9000	4082	390.0	8.0	2.4	1.1
12000	5443	477.0	6.0	1.8	1.0
15000	6804	561.0	5.2	1.6	0.8



WARN INDUSTRIES, INC
Industrial Products

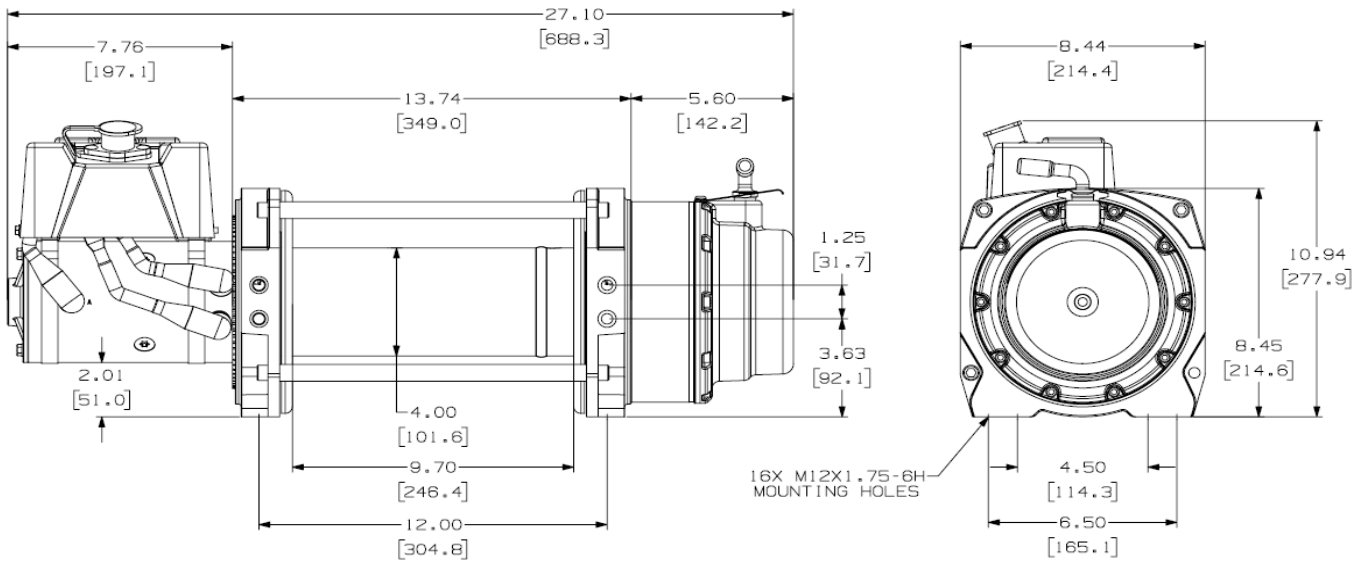
Customer Service (North America): 1.800.543.9276
Customer Service (International): 1.503.722.3008
FAX: 1.503.722.3000 www.warn.com

12900 S.E. Capps Road,
Clackamas, OR USA 97015



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Motor / Contactor may be rotated in 90 degree increments. Clutch housing may be rotated in 72 degree increments.

Units are given in inches [millimeters], unless otherwise specified

Recommended Mounting- Always Observe Correct Drum Rotation			Electrical System Specifications
Pull from bottom of winch	Pull from bottom of winch	Pull from top of winch	650 CCA Battery Minimum
			See Electrical Cable Gauge Size Chart for cable sizing
Feet down	Feet forward	Feet forward	All electrical connections must be clean and tight
Pull from top of winch	Pull from top of winch	Pull from top of winch	Electrical System Wiring Schematic
Feet down without angle brace	Feet down with angle brace	Angle Braces Only	Notes:

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