

WARN Industrial Winch

Model	Part Number	Motor Type
Series 20XL-LP Hydraulic Winch Manual Clutch	79220	Hydraulic 11.9 ci (195cc)



The Warn Series XL product line combines durable cast iron construction, high efficiency hydraulic motor, and a robust 2X rated load braking system with a permanently lubricated and hardened 2-stage planetary gear train for superior intermittent-duty performance for loads up to 30,000 lbs. Winches are also available with manual or air clutches and 2 drum widths. A roller tension plate is standard along with bi-directional operation and a variety of mounting options to fit a variety of applications.

Warn Series XL winches are not suitable for hoisting applications or movement of persons.

Accessories

Description:Part NumberFairlead SRS-XL-LONG77869Wire Rope Assembly 9/16"x245" EIPS77452Snatch Block XL-60K LB80858

Engineering Data						
Rated Pulling Force:	20000	lbf	9072	kgf		
Drum Barrel Diameter:	5.75	in	146	mm		
Drum Flange Diameter:	12.25	in	311	mm		
Distance Between Flanges:	14	in	356	mm		
Recommended Maximum Wire Rope Diameter:	9/16	in	14.3	mm		
Recommended Minimum Wire Rope Breaking Strength:	41200	lbf	18688	kgf		
Approximate Shipping Weight:	322	lb	146	kg		
Duty Cycle (intermittent per SAE J706 section 6.2):	2760	ft	841.2	m		
Mounting Bolt Torque:	159	ft*lbf	216	N*m		
Maximum Layers of Wire Rope:	5					
Gear Reduction:	28.5:1					
Brake Type:	Spring Applied Disk					
Contactor / Remote Type:	N/A					

Drum Rotation Standards Compliance

1. -SAE J706 2.-CE Machinery Directive 98/37/EC and 2006/42/EC



Viewed from Motor End

	Performance	By Lay	yer- 9/	16" (14	i.3 mm)	dia. rop	эе
aver.	Line Load	l*		Line Spee	ed 15 GPM	Line Spee	d 20
.ayer							

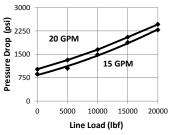
Drum Layer	Line Load *		Line Speed 15 GPW		Line Speed 20 GPM		Drum Capacity			
Druin Layer	lbf	kgf	kN	ft/min	m/min	ft/min	m/min	ft	m	
1	20000	9072	89.0	16.4	5.0	21.6	6.6	36	11.0	
2	16975	7700	75.5	19.2	5.9	25.5	7.8	79	24.1	
3	14745	6688	65.6	22.1	6.7	29.4	9.0	129	39.3	
4	13032	5911	58.0	25.0	7.6	33.2	10.1	185	56.4	
5	11676	5296	51.9	28.0	8.5	37.1	11.3	248	75.6	
	•	•		•	•	•	•	•		

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

First Layer Performance

Line	Load	Pressure Drop at 15 GPM		Pressure Drop	at 20 GPM	Duty Cycle	
lbf	kgf	psi	BAR	psi	BAR	min/10min	:
0	0	865	59.6	1020	70.3	N/A	
5000	2268	1050	72.4	1315	90.7	N/A	1
10000	4536	1490	102.7	1650	113.8	N/A	
15000	6804	1880	129.6	2050	141.3	N/A	١.
20000	9072	2280	157.2	2460	169.6	N/A	

20 GPM 20 GPM 20 GPM 15 GPM 12 3 4 5 Layer



WARN INDUSTRIES, INC Industrial Products

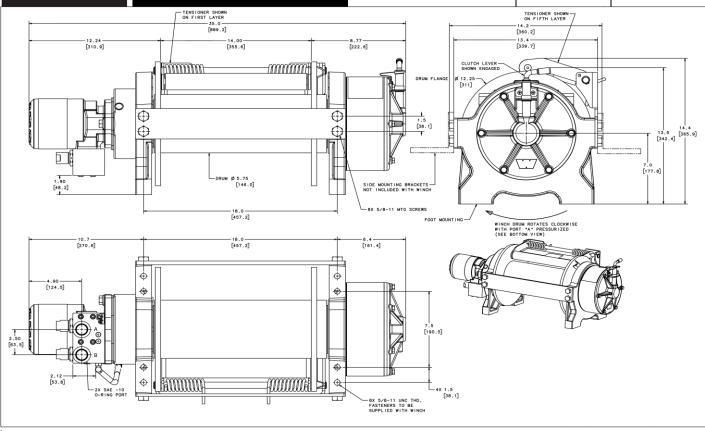
Customer Service (North America): 1.800.543.9276 Customer Service (International): 1.503.722.3008 FAX: 1.503.722.3000 www.warn.com

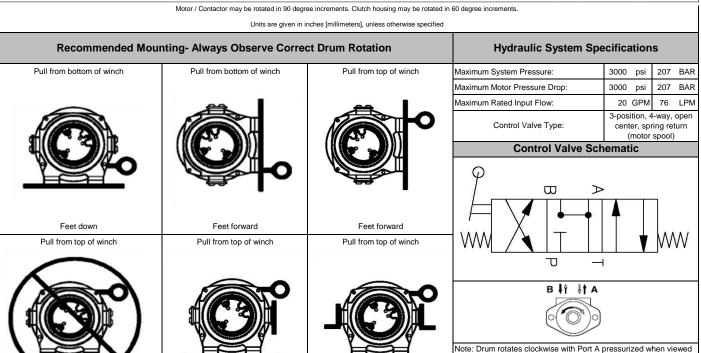
12900 S.E. Capps Road, Clackamas, OR USA 97015



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Angle Braces Only

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Feet down without angle brace

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Feet down with angle brace

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