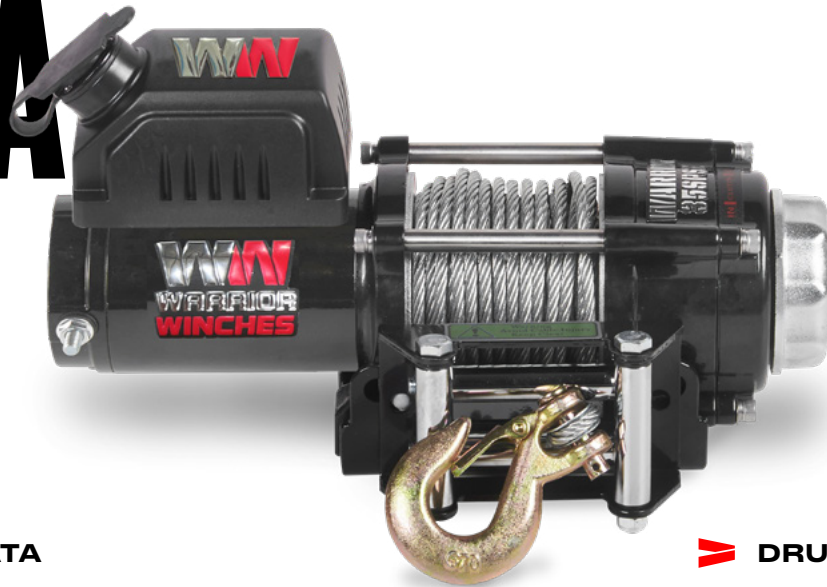


35SPS24

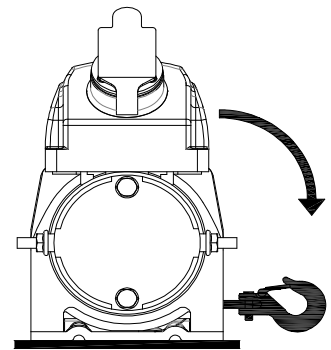
NINJA



ENGINEERING DATA

Rated Pulling Force:	3500 lb	1588 kg
Drum Barrel Diameter:	1.46 in	37 mm
Drum Flange Diameter:	3.7 in	94 mm
Distance Between Flanges:	3.15 in	80 mm
Rope Diameter:(Steel Rope)	7/32 in	5.4 mm
Recommended Min.Rope Breaking Strength:	5400 lb	2450 kg
Maximum Layers of Rope:	5	
Motor (12V):	Input:2.9kw/3.3hp; Output:1.2kw/1.6hp	
Gear Reduction:	170:1	
Brake Type:	Self-lock	
Net weight:	22 lbs	10 kg

DRUM ROTATION

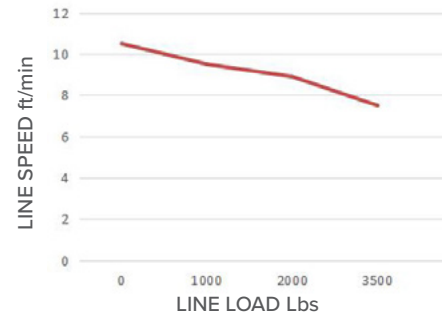


Viewed from motor end
Pull from bottom of winch

PERFORMANCE BY LAYER - 7/32 " (5.4MM) DIA.ROPE

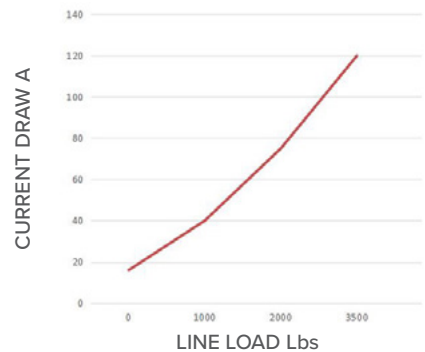
Drum Layer	Line Load			No Load Speed		Drum Capacity	
	lb	kg	kN	ft/min	m/min	ft	m
1	3500	1588	15.6	10.2	3.2	5.9	1.8
2	2789	1265	12.4	12.5	3.9	13.5	4.1
3	2319	1052	10.3	14.8	4.6	22	6.7
4	1984	900	8.8	17.1	5.4	31.2	9.5
5	1733	786	7.7	19.4	6.1	42	12.8

*Never exceed Rated Pulling Force. A Rated Capacity Limiter is recommended.



FIRST LAYER PERFORMANCE

Line Load		Current Draw	Line Speed		Duty Cycle
lb	kg	Amps	ft/min	m/min	min/10min
0	0	16	10.5	3.2	4:30
1000	454	40	9.5	2.9	1:55
2000	907	75	8.9	2.7	1:15
3500	1588	120	7.5	2.3	0:50



35SPS24

WW WARRIOR
WINCHES

NINJA

▶ PRODUCT DIMENSIONS

