

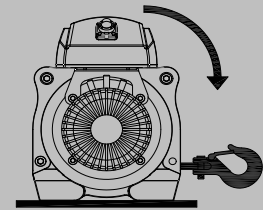
T122512-CAD



ENGINEERING DATA

Rated Pulling Force:	22000 lb	9979 kg
Drum Barrel Diameter:	3.46 in	88 mm
Drum Flange Diameter:	7.6 in	193 mm
Distance Between Flanges:	8.4 in	213 mm
Rope Diameter:(Steel Rope)	7/13 in	13.8 mm
Recommended Min.Rope Breaking Strength:	35000 lb	15876 kg
Maximum Layers of Rope:	4	
Motor (12V):	Input: 5.5kw/7.4hp; Output: 2.9kw/3.9hp	
Gear Reduction:	450:1	
Brake Type:	Patented ratchet	
Net weight:	165.3 lb	75 kg

DRUM ROTATION



Viewed from motor end
Pull from bottom of winch

PERFORMANCE BY LAYER - 7/13" (13.8MM) DIA.ROPE

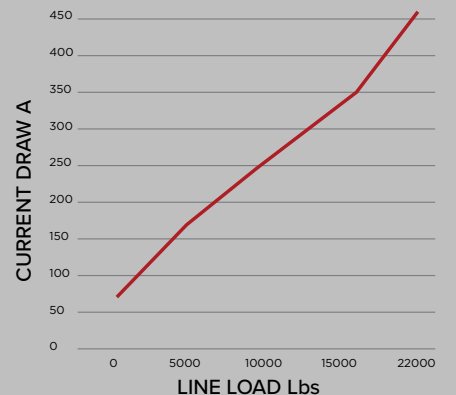
Drum Layer	Line Load			No Load Speed		Drum Capacity	
	lb	kg	kN	ft/min	m/min	ft	m
1	22000	9979	97.8	21.7	6.6	14.1	4.3
2	17300	7847	76.9	26.9	8.2	32.8	10
3	14260	6468	63.4	31.8	9.7	55.1	16.8
4	12130	5502	53.9	37.1	11.3	65.6	20

*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	65	21.7	6.6	6:00
5000	2268	175	9.8	3	2:25
10000	4536	270	6.6	2	1:50
15000	6804	350	4.9	1.5	1:10
22000	9979	460	3	0.9	0:35



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