

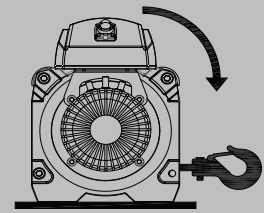
T180S12-CAD



ENGINEERING DATA

Rated Pulling Force:	18000 lb	8165 kg
Drum Barrel Diameter:	3.5 in	89 mm
Drum Flange Diameter:	7.6 in	193 mm
Distance Between Flanges:	8.6 in	219 mm
Rope Diameter:(Steel Rope)	15/32 in	12 mm
Recommended Min.Rope Breaking Strength:	25000 lb	11340 kg
Maximum Layers of Rope:	4	
Motor (12V):	Input:6.2kw/8.3hp; Output:3.3kw/4.4hp	
Gear Reduction:	430:1	
Brake Type:	Automatic screw cone	
Net weight:	147.7 lb	67 kg

DRUM ROTATION



Viewed from motor end
Pull from bottom of winch

PERFORMANCE BY LAYER - 15/32" (12MM) DIA.ROPE

Drum Layer	Line Load			No Load Speed		Drum Capacity	
	lb	kg	kN	ft/min	m/min	ft	m
1	18000	8165	80	19.7	6	18	6
2	14544	6597	64.6	24.3	7.4	40.7	13
3	12200	5534	54.2	29.2	8.9	65.9	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	100	19.7	6.0	4:50
6000	2722	220	7.2	2.2	2:00
10000	4536	320	5.6	1.7	1:40
12500	5670	350	4.9	1.5	1:25
14000	6350	380	4.6	1.4	1:05
18000	8165	460	3.0	0.9	0:45



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