

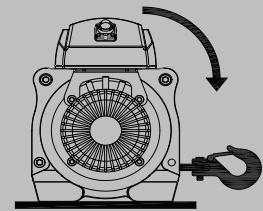
# T120S12-CAD



## ENGINEERING DATA

Rated Pulling Force:	20000 lb	9072 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:	158.7 lb	72 kg

## DRUM ROTATION

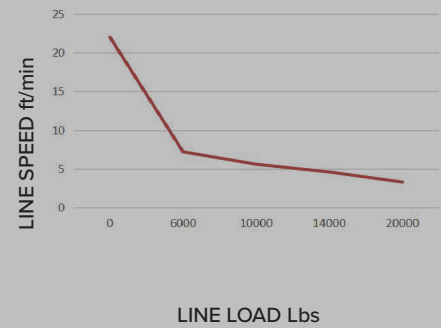


Viewed from motor end  
Pull from bottom of winch

## 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	20000	9072	88.9	22	6.7	18	6
2	16160	7330	71.8	26.9	8.2	40.7	13
3	13557	6149	60.3	32.1	9.8	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	65	22	6.7	4:50
6000	2722	190	7.2	2.2	2:00
10000	4536	260	5.6	1.7	1:40
12500	5670	305	4.9	1.5	1:25
14000	6350	330	4.6	1.4	1:05
20000	9072	420	3.3	1.0	0:55



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