

Winch Design / Performance Characteristics

Winch Model AW4WF-60-1 1/8									
MOTOR HP	40.0	Motor Speed	720			NOTE: VALUES WITHIN SHADED AREA ARE IN ACCORDANCE W/ ASME B30.7 UNSHADED AREA IS IN COMPLIANCE W/ UK DEN.			
Line Pull	28000.0	Line Speed	40	5th Layer					
Wire Rope dia	1 1/8	Length, ft	5846	No. of Layers	13.0				
K Factor	0.19	Drum Dia., in	20	Flange Dia	50.0				
Drum Width	60.0			Drum Rpm	5.3				
Torque(ft-lbs)	33745.1			No. of Wraps	52				
Layer No.	Capacity (ft)	Accumulated Capacity (ft)	Pitch Dia (in)	Max. HP Line pull (lbs)	Speed (fpm)	Flange Clearance	Stall Line Pull (lbs.)	Start Line Pull (lbs.)	FPM AT F.S.
1	289	289	21.1	38337.67	29.3	13.9	55787	43622	73
2	316	605	23.1	35098.09	32.0	12.9	51073	39936	80
3	343	948	25	32363.35	34.7	11.9	47093	36824	87
4	370	1318	27	30023.97	37.4	11.0	43689	34163	94
5	396	1714	28.9	28000.00	40.1	10.0	40744	31860	100
6	423	2137	30.9	26231.67	42.8	9.0	38171	29847	107
7	450	2587	32.8	24673.43	45.5	8.0	35903	28074	114
8	476	3063	34.8	23289.94	48.2	7.1	33890	26500	121
9	503	3566	36.7	22053.36	50.9	6.1	32091	25093	127
10	530	4096	38.7	20941.47	53.6	5.1	30473	23828	134
11	557	4652	40.6	19936.32	56.3	4.1	29010	22684	141
12	583	5236	42.6	19023.24	59.0	3.2	27682	21645	148
13	610	5846	44.5	18190.14	61.7	2.2	26469	20697	154
14	637	6482	46.5	17496.94	64.4	1.2	25359	19829	161
15	663	7146	48.4	16725.21	67.1	0.2	24359	19031	168