

Compliant with Machinery Directive 2006/42/EC, EN 14492-1 and SAE J706

- * Powered by a PTO (power take-off) driven pump with variable speeds and adjustable line pull output functions
- * Rugged cast iron gear box and aluminum die cast construction
- * Enclosed drum flanges prevent rope from becoming trapped
- * Dependable orbital hydraulic motor offer high torque and high efficiency at low speed
- * Inside the winch is the 2 stage high efficiency planetary gear trains developing for maximum mechanical efficiency
- * Dual counterbalance valves mounted to the winch motor and a multi disc, spring applied, hydraulically released brake lived in an oil bath provide fail-safe load lifting and prevent momentary downward load drifting.
- * Both braking components are designed to operate in either direction, which allows flexibility in the rope winding direction.
- * Minimum 10:1 drum diameter to rope diameter, 2:1 wire rope breaking strength for EN ratings

An industrial winch is a robust and reliable device to be used in a variety of industrial applications for example towing and recovery, heavy hauling etc

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Specification:

Specification		Type		TD 60	TD 80	TD 100	TD 120	TD 150	TD 200	TD 300
Rated Pulling Force (First layer)	kgf	2,700	3,500	4,300	5,100	6,000	9,000	13,600		
	lbf	6,000	8,000	10,000	12,000	15,000	20,000	30,000		
Hydraulic motor	cm ³ /rev	50	78	97	125	156	156	156		
Maximum oil flow	l /min	40	60	60	60	60	60	60		
Operation pressure	bar	150								
Brake		Multi disc brake + Dual counterbalance valves								
2Stage Planetary Gear's Gear Ratio		16:1	16:1	16:1	19:1	19:1	30:1	42:1		
Clutch (wire rope pulling)		Manual Clutch						Air Clutch		
Speed	m/min	15-23	15-24	14-19	10-16	9-12	7-10	5-9		
Drum Barrel Diameter	mm	90	90	102	114	127	146	152		
Drum Flange Diameter	mm	205	205	205	253	253	330	335		
Distance Between Flanges	mm	150	190	253	255	255	200	200		
Recommended Wire Rope	mm x m	9 x 25	10 x 30	11 x 29	12 x 42	13 x 29	16 x 31	16 x 43		
Breaking strength	1960 N/mm ²	56.55 kN	69.8kN	84.4kN	100.5 kN	118 kN	179 kN	179 kN		
Standard Accessories		Roller fairlead and dual counterbalance valves								

Dimension:

TD 60 – 150

TD 200 – 300

(Unit: mm)

Type		TD 60	TD 80	TD 100	TD 120	TD 150	TD 200	TD 300
Code								
A		108	108	108	133	133	170	177
B		217	217	217	267	267	359	394
C		304	304	304	354	354	446	481
D		252	252	252	291	291	343	352
E		559	604	670	714	720	734	749
F		114	114	114	114	114	191	191
G		171	171	171	171	171	267	267
H		189	229	292	308	308	279	279
I		130	130	130	153	153	194	206