

HCH100 Tail Winch

100,000 lbs (45,360 kg)

FEATURES & BENEFITS

- Extreme cable capacity of over 1,300 ft. (400 m) of 1 1/4" (32 mm) diameter cable
- High performance, variable displacement piston motor
- Variable speed control
- Dual braking system
- Highly customizable mounting, supplemental control, and hydraulic/ electrical installation kits.

APPLICATIONS

- Tail Winch for large Crawler Tractors (Caterpillar D8, John Deere 1050, Komatsu D155, Liebherr 766, & similar*)

*Consult Factory for additional tractor applications

- Hillside Operations and Extreme Distance Recoveries
- Trenching & Pipelayer

SPECS

Unit Weight	Approx. 6,650 lbs (3,016 kg) (WEIGHT OF BASE WINCH)
Gear Ratio	207:1
Motor Type	Variable Displacement Piston
Drum Size (inches)	13.25B x 42.00F x 21.50L
Dual Braking System	Hydraulic Dynamic Brake; Friction Clutch Parking Brake
Max Rope Diameter and Storage	1 1/4 in (32 mm) - 1,338 ft (408 m)

Consult factory for options.



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PERFORMANCE*



WINCH SPEED	LOW - 8.36 cu in. (137 cc)		HIGH - 3.72 cu in. (61 cc)		ROPE STORAGE (D/d 10.6:1)
LAYER	LINE PULL lb (kg)	LINE SPEED fpm (mpm)	LINE PULL lb (kg)	LINE SPEED fpm (mpm)	DRUM CAPACITY** ft (m)
1	100,000 (45,359)	25 (8)	45,000 (20,412)	56 (17)	65 (20)
2	85,290 (38,687)	29 (9)	38,390 (17,413)	65 (20)	142 (43)
3	74,360 (33,729)	33 (10)	33,460 (15,177)	75 (23)	230 (69)
4	65,910 (29,896)	37 (11)	29,660 (13,454)	84 (26)	329 (100)
5	59,180 (26,844)	42 (13)	26,630 (12,079)	94 (29)	439 (133)
6	53,700 (24,358)	48 (14)	24,170 (10,963)	104 (32)	561 (170)
7	49,150 (22,294)	50 (15)	22,120 (10,033)	113 (34)	694 (210)
8	45,130 (20,552)	55 (17)	20,390 (9,249)	123 (37)	838 (254)
9	42,030 (19,064)	59 (18)	18,910 (8,577)	133 (41)	993 (301)
10	39,190 (17,776)	63 (19)	17,640 (8,001)	142 (43)	1,160 (352)
11	36,710 (16,651)	68 (21)	16,520 (7,493)	152 (46)	1,338 (406)

*Based on 037/084 2-Speed Piston Motor, 207:1 gear ratio and tractor with hydraulic system pressure of 3,500 psi (241 bar), flow of 50 gpm (190 lpm) and 1 1/4 in (32 mm) rope. Consult factory for performance with other tractor hydraulic systems.

** Based on ø1-1/4 in. (32 mm) wire rope. Consult factory for rope storage capacity with other rope diameters.

DIMENSIONS

