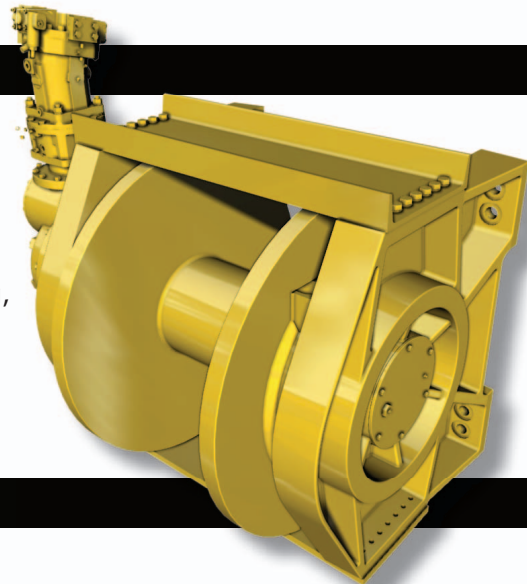


## Model Description

The CARCO HCH100 is a high-capacity two-speed hydraulically-driven planetary drive winch designed for a variety of pulling applications, including pipelaying, trenching, and hillside operations.



## Specifications

### CABLE DRUM SIZE

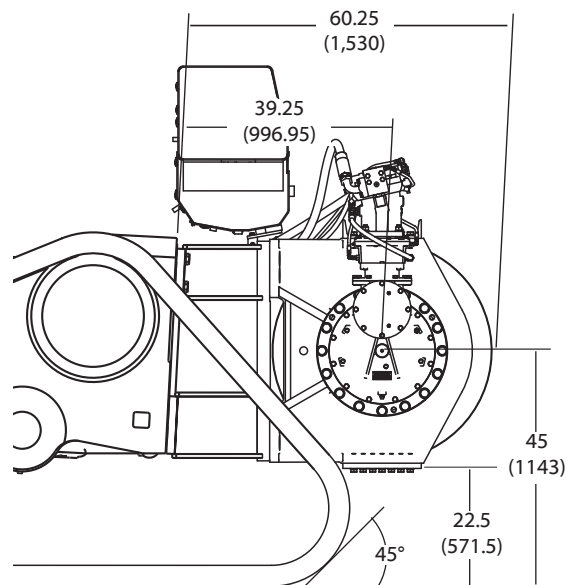
Barrel Diameter	13.25 in (336.5 mm)
Flange Diameter	42.00 (1079.5 mm)
Barrel Length	21.50 (546 mm)

### HYDRAULIC SYSTEM

Hydraulic Pressure:	3,500 psi (241 bar)
Hydraulic Pump Type:	Gear
Displacement (low):	3.72 cu. in. (61 cc)
Displacement (high):	8.36 cu. in. (137 cc)

### PLANETARY GEARING

Winch Overall Ratio:	207:1
Low Speed:	25 fpm (8 mpm)
High Speed:	56 fpm (17 mpm)
Optional Ratios:	Consult CARCO factory



DIMENSIONS IN INCHES (mm)

**HCH 100 FOR  
CATERPILLAR® D8R/D8T TRACTORS**  
100,000 lb (45,360 kg)



## Performance

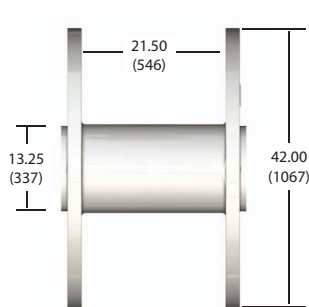
RATIO 207:1						RATIO 207:1					
MOTOR		low 037 (3.72 cu in.)		high 084 (8.36 cu in.)		MOTOR		low 037 (61 cc)		high 084 (137 cc)	
PRESSURE		3,500 psi				PRESSURE		241 bar			
FLOW		50 gpm				FLOW		190 lpm			
WIRE ROPE DIA 1-1/4 in.						WIRE ROPE DIA 32 mm					
LAYER	LINE PULL (lb)	LINE SPEED (fpm)	LINE PULL (lb)	LINE SPEED (fpm)	DRUM CAPACITY (ft)	LAYER	LINE PULL (kg)	LINE SPEED (mpm)	LINE PULL (kg)	LINE SPEED (mpm)	DRUM CAPACITY (m)
1	100,000	25	45,000	56	65	1	45,359	8	20,412	17	20
2	85,290	29	38,390	65	142	2	38,687	9	17,413	20	43
3	74,360	33	33,460	75	230	3	33,729	10	15,177	23	69
4	65,910	37	29,660	84	329	4	29,896	11	13,454	26	100
5	59,180	42	26,630	94	439	5	26,844	13	12,079	29	133
6	53,700	48	24,170	104	561	6	24,358	14	10,963	32	170
7	49,150	50	22,120	113	694	7	22,294	15	10,033	34	210
8	45,130	55	20,390	123	838	8	20,552	17	9,249	37	254
9	42,030	59	18,910	133	993	9	19,064	18	8,577	41	301
10	39,190	63	17,640	142	1,160	10	17,776	19	8,001	43	352
11	36,710	68	16,520	152	1,338	11	16,651	21	7,493	46	406

## Drum Capacity

WIRE ROPE STORAGE, ft													
WIRE ROPE DIA	LAYER	1	2	3	4	5	6	7	8	9	10	11	D/d
1-1/4 in.		65	142	230	329	439	581	694	838	993	1,180	1,338	10.6:1

WIRE ROPE STORAGE, m													
WIRE ROPE DIA	LAYER	1	2	3	4	5	6	7	8	9	10	11	D/d
32 mm		20	43	70	100	134	171	212	255	303	354	408	10.6:1



DIMENSIONS IN INCHES (MM)

D/d RATIO IS BASED ON PITCH DIAMETER OF WIRE ROPE AT FIRST LAYER