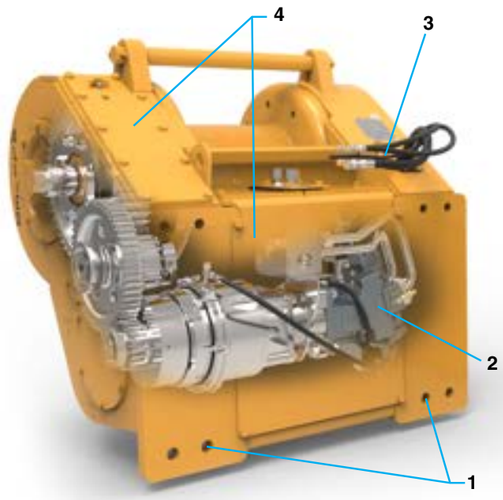
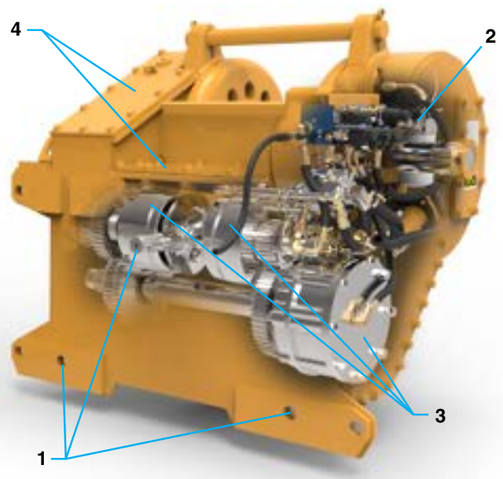
Allied Winches
for Caterpillar Dozers





Features

Hydraulic Winch Features

1. Simple “Plug and Play” installation – just bolt the winch to the dozer. No need for “winch ready” option on dozer
2. Motor turns only on demand – less wear and tear, quiet operation.
3. Finger tip precision control – line speeds as fine as 0.5 ft/min (150 mm/min).
4. Large covers for easy service access.

PTO Winch Features

1. Simple “Plug and Play” installation – just bolt the winch to the dozer. No need for “winch ready” option on dozer.
2. SCH (Self Contained Hydraulics) – no exposed hydraulic lines.
3. Oil Clutch, Oil Brake – eliminates adjustments, runs cooler.
4. Large covers for easy service access.

Options



Fairlead

Designed for maximum line pull from all angles. Strong vertical and horizontal rollers to reduce wire rope damage.



Extended Drawbar

Provides a smaller turning radius while towing auxilliary equipment and improved access on winches equipped with a fairlead.



Integral Arch

Elevates the lift point of the butt-end of the log, reducing drag, making ground skidding easier



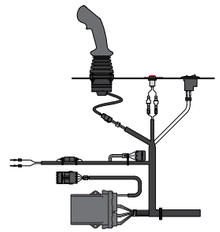
Freespool

Allows the winch line to be pulled out easily by hand. Standard on H4A and H5C winches.



Gearing

Wide variety of gear ratios to meet different line speed requirements.



Electronic Controls

Simplifies winch installation and provides excellent line speed control.

Parts



Service Parts

World-class parts support. 98% same day fill rate. Orders received by 3 PM Pacific time shipped same day. Arrives at your office by 10am next day in the U.S. by special courier.

Allied Systems Company
21433 SW Oregon Street
Sherwood, OR 97140, USA
Phone: 503.625.2560
Fax: 503.625.7269 503.625.5132
marketing@alliedsystems.com
www.alliedsystems.com

ALLIED WINCHES FOR CATERPILLAR DOZERS

DOZER MODEL	D3K2 D4K2 D5K2*		D6K2* PL61	D6N	D6T* D6N D5R2 D6R2	D6T* D6N D6R2 PL72	D6T D6N D6K2* PL61		D7R	D7E	D8R D8T* D9T D10T PL83 PL87	D8T* D9T D10T
WINCH MODEL	**H4AT**	**H4AH**	**H5C**	**W5C**	**W6F**	**W6G**	**H6H**	**H6HH**	**W8L**	**H8L**	**W12E**	**H12E**
WINCH TYPE: Hydraulic or Power Take-Off Winch/Tractor CONFIGURATION:	HYD Standard	HYD Hi-P	HYD Standard	PTO	PTO	PTO	HYD Standard	HYD Hi-P	PTO	HYD Standard	PTO	HYD Standard
				Forward / Reverse	Forward / Reverse	Forward / Reverse			Forward / Reverse		Forward / Reverse	
Standard Gear Ratio	**125:1**	**94:1**	**45:1**	**100:1 / 100:1**	**56:1 / 24:1**	**103:1 / 103:1**	**153:1**	**153:1**	**50:1 / 22:1**	**207:1**	**149:1 / 149:1**	**209:1**
BARE DRUM **Maximum Line Pull**** lbs (kg)	**26,600 (12,100)**	**34,600 (15,700)**	**71,850 (32,600)**	**76,200 (34,600)**	**99,000 (44,900)**	**99,000 (44,900)**	**83,250 (37,800)**	**99,000 (44,900)**	**125,800 (57,062)**	**103,700 (47,000)**	**154,700 (70,171)**	**114,100 (51,800)**
BARE DRUM **Maximum Line Speed** fpm (mpm)	**48 (15)**	**85 (26)**	**48 (15)**	**61 (19)**	**119 (36)**	**65 (20)**	**70 (21)**	**77 (23)**	**168 (51)**	**64 (20)**	**59 (18)**	**75 (23)**
FULL DRUM Maximum Line Pull** lbs (kg)	14,850 (6,700)	19,300 (8,800)	38,750 (17,600)	76,200 (34,600)	73,300 (33,200)	99,000 (44,900)	44,650 (20,300)	74,650 (33,900)	79,929 (36,255)	63,700 (28,900)	154,700 (70,171)	73,300 (33,200)
FULL DRUM Maximum Line Speed fpm (mpm)	85 (26)	152 (46)	89 (27)	112 (34)	217 (66)	118 (36)	130 (40)	143 (44)	274 (84)	104 (32)	92 (28)	117 (36)
									Forward / Reverse			
Optional Gear Ratio							**187:1**	**187:1**	**94:1 / 41:1**	**259:1**		**262:1**
BARE DRUM **Maximum Line Pull**** lbs (kg)							**99,000 (44,900)**	**99,000 (44,900)**	**125,800 (57,062)**	**125,800 (57,100)**		**142,900 (64,800)**
BARE DRUM **Maximum Line Speed** fpm (mpm)							**57 (17)**	**63 (19)**	**90 (27)**	**51 (16)**		**60 (18)**
FULL DRUM Maximum Line Pull** lbs (kg)							54,650 (24,800)	91,350 (41,400)	125,840 (57,080)	79,800 (36,200)		91,800 (41,600)
FULL DRUM Maximum Line Speed fpm (mpm)							106 (32)	117 (36)	146 (45)	83 (25)		94 (29)
									Forward / Reverse			
Optional Gear Ratio									**94:1 / 102:1**			
BARE DRUM **Maximum Line Pull**** lbs (kg)									**125,800 (57,062)**			
BARE DRUM **Maximum Line Speed** fpm (mpm)									**90 (27)**			
FULL DRUM Maximum Line Pull** lbs (kg)									125,800 (57,062)			
FULL DRUM Maximum Line Speed fpm (mpm)									146 (45)			

DIMENSIONAL DATA See illustrations													
	A	Ground to highest point	in (mm)	45 (1,143)	45 (1,143)	44 (1,118)	56 (1,422)	61 (1,549)	61 (1,549)	61 (1,549)	61 (1,549)	63 (1,600)	65 (1,651)	69 (1,753)	70 (1,778)
	B	Ground to drum center	in (mm)	35 (889)	35 (889)	31 (787)	42 (1,067)	47 (1,194)	47 (1,194)	47 (1,194)	47 (1,194)	48 (1,219)	50 (1,270)	53 (1,346)	54 (1,372)
	C	Ground to drawbar center	in (mm)	20 (508)	20 (508)	15 (381)	23 (584)	28 (711)	28 (711)	28 (711)	28 (711)	24 (610)	26 (660)	27 (686)	28 (711)
	D	Tractor face to end of winch	in (mm)	32 (813)	32 (813)	34 (864)	47 (1,194)	49 (1,245)	49 (1,245)	48 (1,219)	48 (1,219)	49 (1,245)	45 (1,143)	58 (1,473)	59 (1,499)
	E	Tractor face to drum center	in (mm)	24 (610)	24 (610)	25 (635)	37 (940)	38 (965)	38 (965)	37 (940)	37 (940)	38 (965)	32 (813)	45 (1,143)	46 (1,168)
	F	Tractor face to drawbar center	in (mm)	23 (584)	23 (584)	22 (559)	35 (889)	29 (737)	37 (940)	37 (940)	37 (940)	42 (1,067)	34 (864)	50 (1,270)	51 (1,295)
	G	Winch max. width (not shown)	in (mm)	29 (737)	29 (737)	32 (813)	38 (965)	40 (1,016)	38 (965)	41 (1,041)	41 (1,041)	41 (1,041)	42 (1,067)	48 (1,219)	49 (1,245)

SHIPPING WEIGHTS Shaded options not available													
	Winch, approx. w/o wire rope	lbs (kg)	1,700 (771)	1,790 (812)	1,980 (898)	2,050 (930)	3,000 (1,361)	3,400 (1,542)	2,830 (1,284)	2,830 (1,284)	3,800 (1,724)	3,400 (1,542)	6,350 (2,880)	4,600 (2,087)
	Fairlead	lbs (kg)	310 (141)	310 (141)	450 (204)	450 (204)	875 (397)	875 (397)	875 (397)	875 (397)	900 (408)	900 (408)	1,230 (558)	1,230 (558)
	Drawbar	lbs (kg)	30 (14)	30 (14)	w/winch	w/winch	w/winch	w/winch	w/winch	w/winch	w/winch	w/winch	w/winch	w/winch
	Integral Arch	lbs (kg)	420 (191)	420 (191)			1,100 (499)	1,100 (499)	1,100 (499)	1,100 (499)				

WIRE ROPE CAPACITY Shaded sizes not available Capacity per SAE J1158	WINCH MODEL	Barrel Diameter	WIRE ROPE DIAMETER							FERRULE (Swaged Drum Type)		
			1/2 in. (13 mm)	5/8 in. (16 mm)	3/4 in. (19 mm)	7/8 in. (22 mm)	1 in. (25 mm)	1 1/8 in. (29 mm)	1 1/4 in. (32 mm)	Name	Length	Diameter
	H4A	8 in. (203 mm)	422 ft. (129 m)	277 ft. (84 m)	195 ft. (59 m)					Bantam	2 in. (51 mm)	1.5 (38 mm)
	W5C/H5C	9 in. (217 mm)		423 ft. (129 m)	298 ft. (91 m)	215 ft. (66 m)				Light	2.25 (57 mm)	2 in. (51 mm)
	W6F/W6G	10 in. (254 mm)			376 ft. (115 m)	271 ft. (83 m)	210 ft. (64 m)			Light	2.25 (57 mm)	2 in. (51 mm)
	H6H	10 in. (254 mm)			413 ft. (126 m)	297 ft. (91 m)	230 ft. (70 m)			Light	2.25 (57 mm)	2 in. (51 mm)
	W8L	12 in. (305 mm)				354 ft. (108 m)	275 ft. (84 m)	220 ft. (67 m)		Junior	2.375 (60 mm)	2.25 (57 mm)
	H8L	12 in. (305 mm)				430 ft. (131 m)	334 ft. (102 m)	267 ft. (81 m)		Junior	2.375 (60 mm)	2.25 (57 mm)
	W12E, H12E	14 in. (356 mm)					286 ft. (87 m)	229 ft. (70 m)	182 ft. (55 m)	Junior	2.375 (60 mm)	2.25 (57 mm)

Notes:

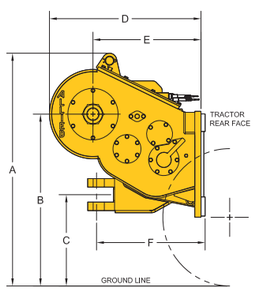
Specs based on representative model, other similar

**Maximum line pull is the lesser of the maximum line pull that the dozer will develop with the standard gear ratio or the breaking strength for the maximum recommended wire rope for that winch model.

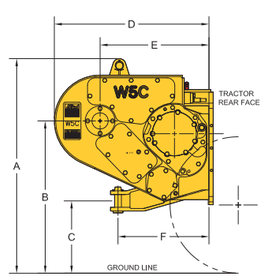
Allied Systems Company reserves the right to change and/or improve specifications and performance at its own discretion without prior notice. Check with dealer for latest data.

86-507

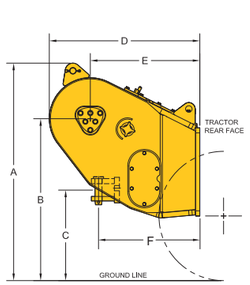
11/30/2018



H6H/H8L/H12E
W6F/W6G/W8L/W12E



W5C/H5C



H4A

DEALER

2018 Kingsway Blvd.
Sudbury, Ontario, Canada P3B 4J8
Tel: +1 (705) 566-8190
www.bmcdowell.com
sales@bmcdowell.com