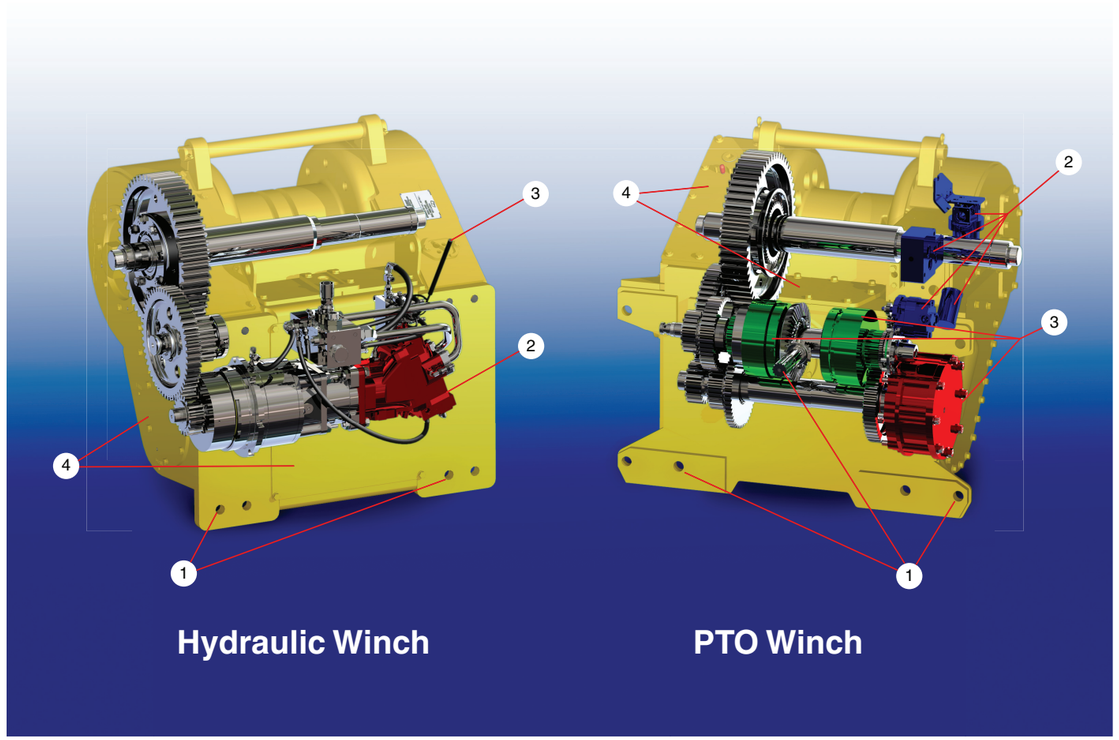
Allied Winches
for Komatsu Dozers



Hydraulic Winch

PTO Winch

Features

Hydraulic Winch Features

1. Simple “Plug and Play” installation – just bolt the winch to the tractor. No need for “winch ready” option on tractor.
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.

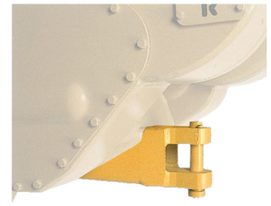
PTO Winch Features

1. Simple “Plug and Play” installation – just bolt the winch to the tractor. No need for “winch ready” option on tractor.
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

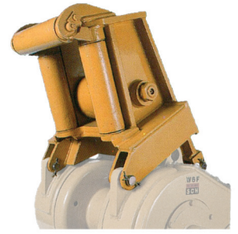
Fairlead

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



Drawbar

Provides an additional hitch for towing. Bolt-on drawbar optional on W3C and H4A. Built-in drawbar comes standard on all other models.

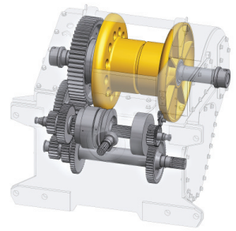


Integral Arch

Makes ground skidding easier by lifting butt-ends of logs.

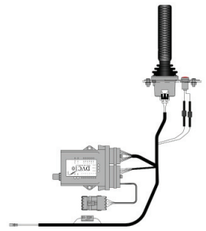
Freespool

This disengages the drum from the gearing. Allows the winch line to be pulled out easily by hand. Standard on W3C, H4A, W5C, H5C and W6F winches.



Gearing

We offer a 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.

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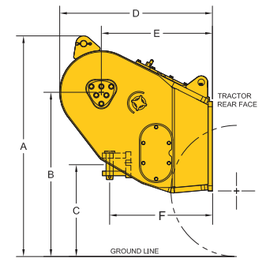
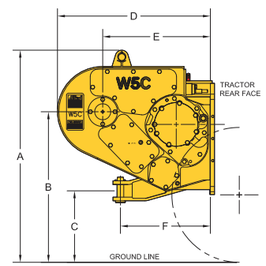
ALLIED WINCHES FOR KOMATSU DOZERS

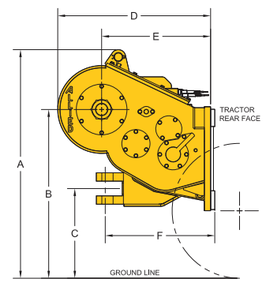
TRACTOR MODEL* (Specs based on representative model *, others similar)				D31-23, D37-23 D39-23*	D51X-22		D61X-12, -15	D61X-23		D65X-15	D65X-16, D65X-17	D85E-SS-2	D85X-15		D155AX-6, D275AX-5*
			WINCH MODEL	H4AT	H5CT	H5CH	W5C	H6HT	H6HH	W6G	H6H	W8L	W8L	H8L	H12E
			WINCH TYPE: Hydraulic (HYD) or Power Take-Off (PTO) Driven	HYD	HYD	HYD	PTO	HYD	HYD	PTO	HYD	PTO	PTO	HYD	HYD
			CONFIGURATION (Standard/Hi-Performance):	STD	STD	Hi-P		STD	Hi-P		STD			STD	STD
			STANDARD GEAR RATIO	116:1	45:1	48:1	100:1	117:1	81:1	83:1	153:1	69:1	95/1	207:1	209:1
			Unit												
STANDARD	BARE DRUM	Maximum Line Pull**	lbs (kg)	39,650 (17,985)	68,500 (31,071)	59,750 (27,102)	68,200 (30,935)	72,750 (33,000)	72,750 (33,000)	88,800 (40,279)	88,800 (40,279)	86,000 (39,009)	112,500 (51,029)	95,800 (43,454)	138,800 (62,959)
		Approximate Line Speed @ Typical Working Load of	fpm (mpm)	35 (11)	14 (4)	98 (30)	57 (17)	74 (23)	104 (32)	82 (25)	63 (19)	95 (29)	84 (26)	45 (14)	46 (14)
			lbs (kg)	20,000 (9,072)	30,000 (13,608)	30,000 (13,608)	30,000 (13,608)	36,315 (16,472)	36,315 (16,472)	40,000 (18,144)	40,000 (18,144)	50,000 (22,680)	50,000 (22,680)	50,000 (22,680)	80,000 (36,287)
		Maximum Line Speed	fpm (mpm)	86 (26)	29 (9)	128 (39)	59 (18)	99 (30)	128 (39)	84 (26)	73 (22)	103 (31)	87 (27)	75 (23)	80 (24)
	FULL DRUM	Maximum Line Pull**	lbs (kg)	22,650 (10,274)	39,600 (17,962)	32,200 (14,606)	62,600 (28,395)	39,050 (17,713)	39,050 (17,713)	55,500 (25,174)	57,500 (26,082)	52,807 (23,953)	68,500 (31,071)	58,800 (26,671)	96,000 (43,545)
		Approximate Line Speed @ Typical Working Load of	fpm (mpm)	35 (11)	26 (8)	95 (29)	105 (32)	61 (19)	96 (29)	143 (44)	77 (23)	110 (34)	132 (40)	45 (14)	48 (15)
			lbs (kg)	20,000 (9,072)	30,000 (13,608)	30,000 (13,608)	30,000 (13,608)	36,315 (16,472)	36,315 (16,472)	40,000 (18,144)	40,000 (18,144)	50,000 (22,680)	50,000 (22,680)	50,000 (22,680)	80,000 (36,287)
		Maximum Line Speed	fpm (mpm)	151 (46)	53 (16)	237 (72)	110 (34)	184 (56)	239 (73)	154 (47)	137 (42)	168 (51)	145 (44)	122 (37)	124 (38)
OPTIONAL	MAXIMUM LINE SPEED BARE DRUM USING OPTIONAL GEAR RATIO Shaded ratios not available for this model	103/1	fpm (mpm)							66 (20)					
		125/1 Fwd (136/1 Rev)	fpm (mpm)										66 (20)		
DIMENSIONAL DATA See illustrations	A	Ground to highest point	in (mm)	46 (1,168)	46 (1,168)	46 (1,168)	54 (1,372)	59 (1,499)	59 (1,499)	61 (1,549)	61 (1,549)	65 (1,651)	68 (1,727)	66 (1,676)	66 (1,676)
	B	Ground to drum center	in (mm)	35 (889)	34 (864)	34 (864)	42 (1,067)	45 (1,143)	45 (1,143)	47 (1,194)	47 (1,194)	50 (1,270)	53 (1,346)	50 (1,270)	50 (1,270)
	C	Ground to drawbar center	in (mm)	21 (533)	17 (432)	17 (432)	25 (635)	26 (660)	26 (660)	28 (711)	28 (711)	26 (660)	28 (711)	26 (660)	24 (610)
	D	Dozer face to end of winch	in (mm)	31 (787)	39 (991)	39 (991)	38 (965)	46 (1,168)	46 (1,168)	40 (1,016)	40 (1,016)	43 (1,092)	42 (1,067)	43 (1,092)	48 (1,219)
	E	Dozer face to drum center	in (mm)	23 (584)	30 (762)	30 (762)	29 (737)	35 (889)	35 (889)	29 (737)	29 (737)	32 (813)	30 (762)	32 (813)	35 (889)
	F	Dozer face to drawbar center	in (mm)	22 (559)	26 (660)	26 (660)	25 (635)	34 (864)	34 (864)	28 (711)	28 (711)	36 (914)	34 (864)	34 (864)	40 (1,016)
	G	Winch max. width (not shown)	in (mm)	29 (737)	32 (813)	32 (813)	32 (813)	40 (1,016)	40 (1,016)	40 (1,016)	40 (1,016)	41 (1,041)	41 (1,041)	43 (1,092)	49 (1,245)
SHIPPING WEIGHTS Shaded options not available		Winch approx. w/o wire rope	lbs (kg)	1,660 (753)	2,100 (953)	2,200 (998)	2,300 (1,043)	2,890 (1,311)	2,990 (1,356)	3,200 (1,451)	2,830 (1,284)	3,100 (1,406)	3,360 (1,524)	3,400 (1,542)	3,980 (1,805)
		Fairlead	lbs (kg)	310 (141)	450 (204)	450 (204)	450 (204)	875 (397)	875 (397)	875 (397)	875 (397)	900 (408)	900 (408)	900 (408)	1,230 (558)
		Drawbar	lbs (kg)	30 (14)	w/winch	w/winch	w/winch	w/winch	w/winch	w/winch	w/winch	w/winch	w/winch	w/winch	w/winch
		Integral Arch	lbs (kg)	500 (227)	875 (397)	875 (397)	875 (397)				1,100 (499)				



H4A



W5C/H5C



H6H/H8L/H12E/W6G/W8L

WIRE ROPE CAPACITY Shaded sizes not available Capacity per SAE J1158	WINCH MODEL	Barrel Diameter	WIRE ROPE DIAMETER 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.)
	H4A	8.00 in. (203 mm.)	422 ft. (129 m)	277 ft. (84 m)	195 ft. (59 m)				
	W5C/H5C	8.56 in. (217 mm.)		423 ft. (129 m)	298 ft. (91 m)	215 ft. (66 m)			
	W6G	10.00 in. (254 mm.)			376 ft. (115 m)	271 ft. (83 m)	210 ft. (64 m)		
	H6H	10.00 in. (254 mm.)			413 ft. (126 m)	297 ft. (91 m)	230 ft. (70 m)		
	W8L	12.00 in. (305 mm.)				354 ft. (108 m)	275 ft. (84 m)	220 ft. (67 m)	
	H8L	12.00 in. (305 mm.)				430 ft. (131 m)	334 ft. (102 m)	267 ft. (81 m)	
	H12E	14.00 in. (356 mm.)					286 ft. (87 m)	229 ft. (70 m)	182 ft. (55 m)

Notes:

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