

WINCHES



WPH 6700

PLANETARY HYDRAULIC WINCH

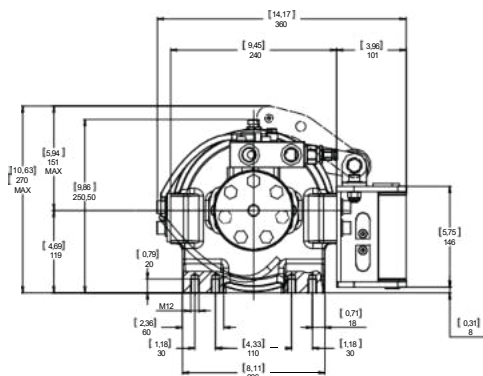


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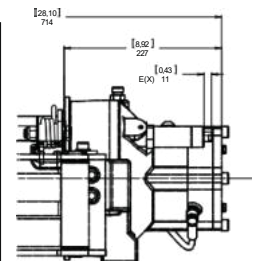
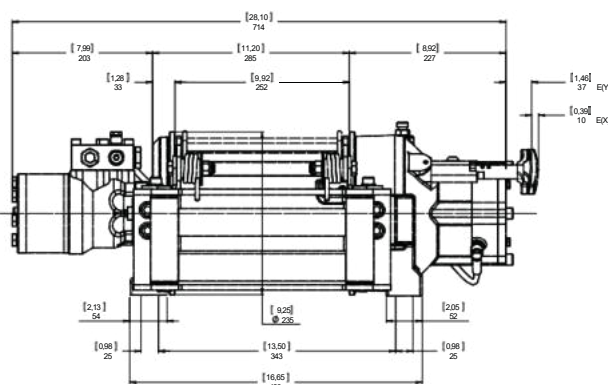
Model WPH is a hydraulic, planetary winch designed for extended life.

This winch is built with high safety standards to comply with Directive Machinery 2006/24/CE EN 14492-1. The high efficiency planetary gear train assures fast payout and rewind winching operation. The innovative brake system makes this winch reliable and great for industrial applications.

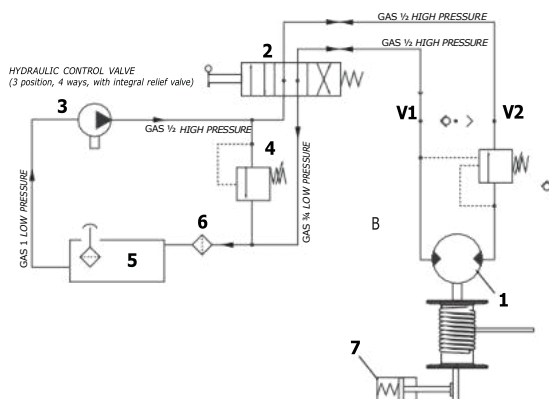
MANUAL SHIFT SYSTEM



PNEUMATIC SHIFT SYSTEM



HYDRAULIC SYSTEM



Note: Hydraulic system shown in pict., is not included in winch equipment.

1	Orbital hydraulic motor
2	Hydraulic control valve
3	Hydraulic pump
4	Relief valve
5	Fluid reservoir
6	Filter : 40 μ m / 25 μ m - 20 μ m / 10 μ m
7	Multi-disc hydraulic brake
B	Hydraulic brake pipe
V1	Overcenter valve port
V2	Overcenter valve port

The winch is built for a working temperature range of between -20°C and +50°C. Operating outside this range may cause damage.

WARNING: Roller fairlead and level winder not included and will need to be ordered separately.



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WINCHES

WPH 6700 - PLANETARY HYDRAULIC



Code	Rated line pull	Max pressure	Engage
	Kg	bar	
137.6.12000	6700	135	Pneumatic

Winch	Ratio	Wire rope size	Layer	Line pull	Wire rope minimum breaking load EN 14492
		mm		Kg	Kg
WPH 6700	5,3:1	12* 23 mt + catch 35 mt + catch 50 mt + catch	1	6700	13400
			2	5583	
			3	4786	
			4	4188	
			5	3722	

	Layer	Drum diameter Ø mm	Wire rope on layer mt	Wire rope quantity mt
			12 mm	12 mm
	5	216	13,6	52,8
	4	192	12,1	39,2
	3	168	10,6	27,1
	2	144	9,0	16,6
	1	120	7,5	7,5
	0	108		

Drum size : 252 mm

Oil Supply lt / min	Drum revolution rpm	Line speed mt / min				
		1	2	3	4	5
40	16,2	6,1	7,3	8,6	9,8	11,0
50	20,3	7,6	9,2	10,7	12,2	13,7
60	24,4	9,2	11,0	12,8	14,7	16,5

Winch	Weight without cable Kg	Heavy-duty roller fairlead Kg	Cable tensioner Kg	Wire rope capacity mt	Maximum wire rope EN 14492 mt	Maximum wire rope mt
				11 mm	11 mm	11 mm
WPH 6700	57,9	10,3	2,0	30	39**	52



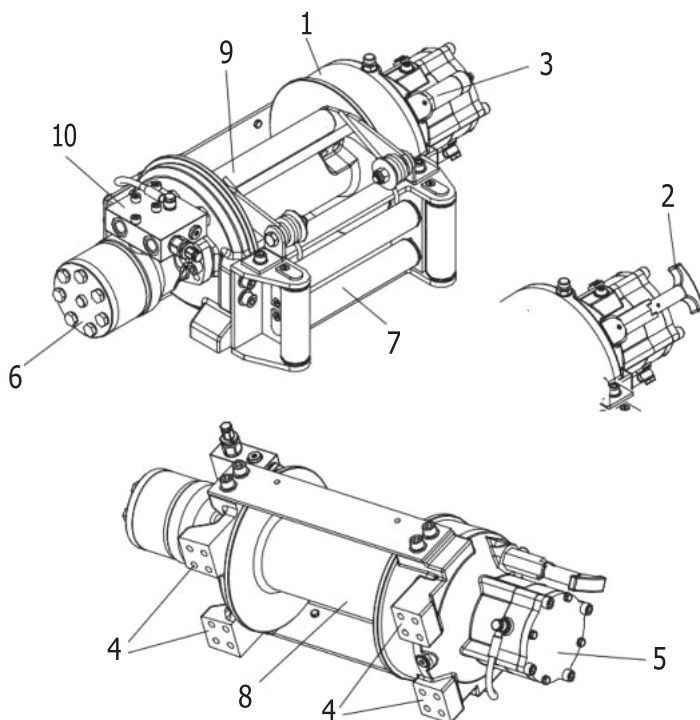
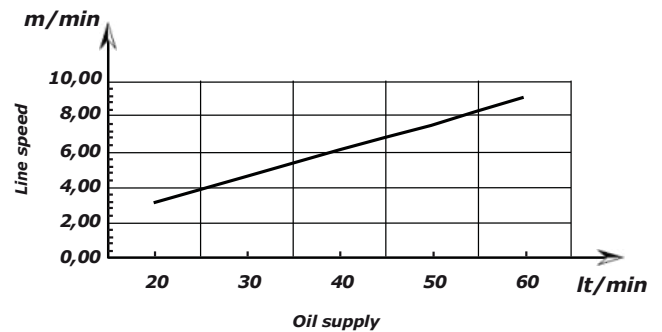
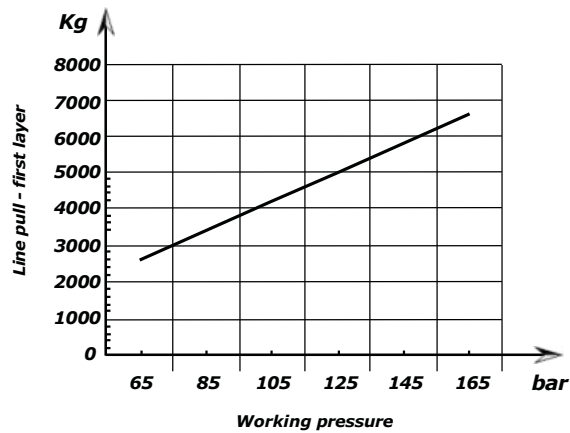
NOTES: Wire rope size must be respected.
Recommended wire rope min. tensile strenght 2160 N/mm². Wire rope minimum breaking load must be at least double of winch max. pulling capacity.
** Max. wire rope capacity according with EN 14492-1.



Winch provided with oil. To top up gear housing please use oil type 15/40 W MULTIGRADE (0,8 l) and for brake housing use oil type TIVELA SC320.

WPH 6700 - PLANETARY HYDRAULIC

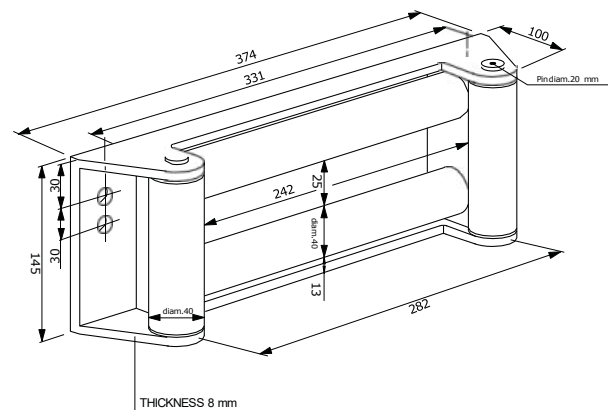
PERFORMANCE CHARTS AT THE 1° LAYER



OPTIONAL ROLLER FAIRLEAD AND TENSIONER

CODE: 137.7.1360

Roller fairlead winch mod. WPH 6700 standard drum (252 mm)



Level winder winch mod. WPH 6700 standard drum + roller fairlead (252 mm)



N°	Description
1	Planetary gear housing
2	Manual clutch for drum free spooling
3	Air-cylinder clutch for drum free spooling (on request)
4	Base mounting feet, n° 16/12 holes, M12 capscrews
5	Hydraulic brake
6	Orbital hydraulic motor 250cc-315cc-400cc
7	Zinc plated Heavy-duty roller fairlead
8	Drum - lateral flanges diameter: dia.212 mm - dia. 235 mm
9	Cable tensioner (Copolymer acetate roller)
10	Overcenter valve