



# Pullstar Heavy Hydraulic Winches

2,930 - 7,000 kg (6,440 - 15,430 lb)

**Minimum 18:1** drum diameter to wire rope diameter

**Gearbox-in-drum** design reduces size and helps the winch fit in compact applications

**Skid Frame** option

**Ideal for:**



Mining



Offshore



Marine

**Rugged cast steel** construction delivers long-life and durability

**Accu-Spool** with wire rope installed option

**Lever control** allows for precise positioning

**Hydraulic motor** offers high torque and high efficiency at low motor speed

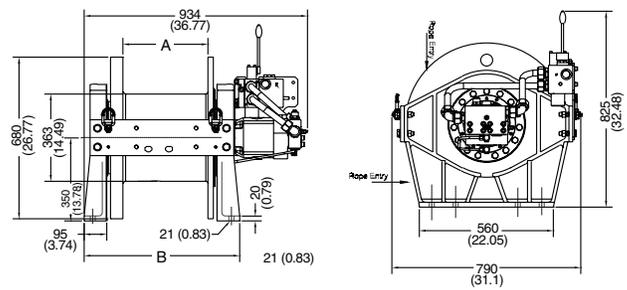
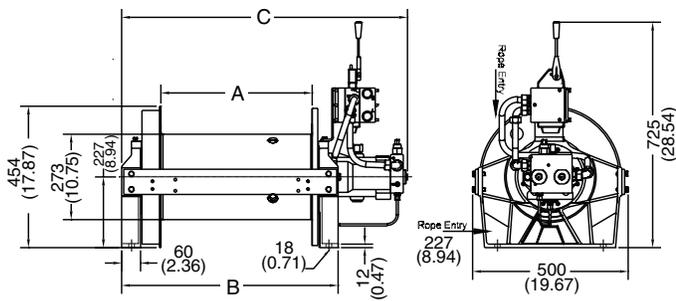




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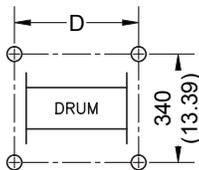
Ingersoll Rand heavy hydraulic Pullstar winches are designed for pulling. With reliable hydraulic motors and a solid steel construction Pullstar winches are ideally suited for harsh conditions. Whatever your pulling needs, Ingersoll Rand heavy hydraulic winches are the perfect solution.



Models	A mm (in)	B mm (in)	C mm (in)
PS4000H30-L	300 (11.81)	509 (20.04)	732 (28.82)
PS4000H30GC-L	485 (19.09)	694 (27.32)	917 (36.10)

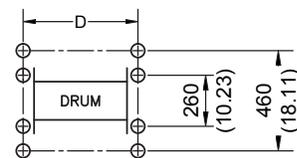
Models	A mm (in)	B mm (in)	C mm (in)
PS10000H75-L	355 (13.98)	650 (25.59)	934 (36.77)
PS10000H75GC-L	728 (28.66)	1,023 (40.28)	1,307 (51.46)

## Bolt Pattern



Models	# of Bolt Holes	D mm (in)
PS4000H30-L	4	449 (17.68)
PS4000H30GC-L	4	634 (24.96)

## Bolt Pattern



Models	# of Bolt Holes	D mm (in)
PS10000H75-L	8	580 (22.83)
PS10000H75GC-L	8	953 (37.52)



Automatic spooling device



Grooved Drum and Press Roller

Optional pendant

**General Performance. Performance is based on a 3.5:1 design factor**

Model	First Layer kg (lb)	Line Pull Capacity			Line Speed		
		Mid Drum kg (lb)	Top Layer kg (lb)	First Layer m/min (fpm)	Mid Drum m/min (fpm)	Top Layer m/min (fpm)	
PS4000H30-L	4,000 (8,800)	3,465 (7,620)	2,930 (6,440)	14 (46)	16(56)	20 (66)	
PS4000H30GC-L	4,000 (8,800)	3,465 (7,620)	2,930 (6,440)	14 (46)	16(56)	20 (66)	
PS10000H75-L	10,000 (22,000)	8,300 (18,290)	7,000 (15,430)	10 (33)	11 (38)	13 (43)	
PS10000H75GC-L	10,000 (22,000)	8,300 (18,290)	7,000 (15,430)	10 (33)	11 (38)	13 (43)	

**General Characteristics. Performance based on a 3.5:1 design factor and 180 bar (2,610 psi) inlet pressure**

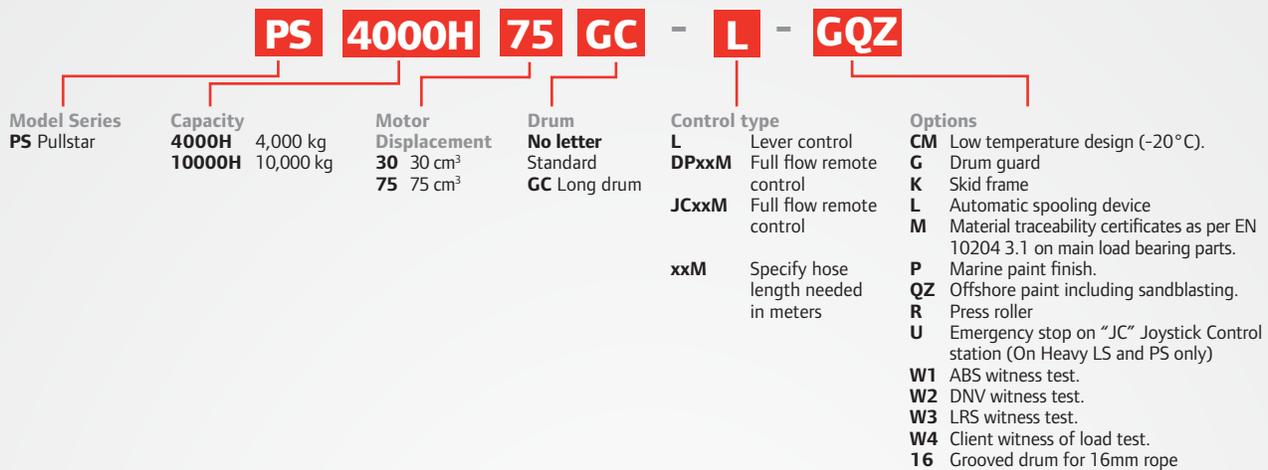
Model	Motor Displacement	Max Flow with Rated Load	Operating Pressure	Drum Torque	Net Weight
	cm <sup>3</sup> /rev (in <sup>3</sup> /rev)	L/min (gal/min)	bar (psi)	N-m (lb-ft)	kg (lb)
PS4000H30-L	30 (1.80)	40 (10.6)	180 (2,610)	5,150 (3,798)	210 (463)
PS4000H30GC-L	30 (1.80)	40 (10.6)	180 (2,610)	5,150 (3,798)	235 (518)
PS10000H75-L	75 (4.60)	63 (16.6)	220 (3,190)	19,400 (14,309)	550 (1,213)
PS10000H75GC-L	75 (4.60)	63 (16.6)	220 (3,190)	19,400 (14,309)	615 (1,356)

**Drum Capacity**

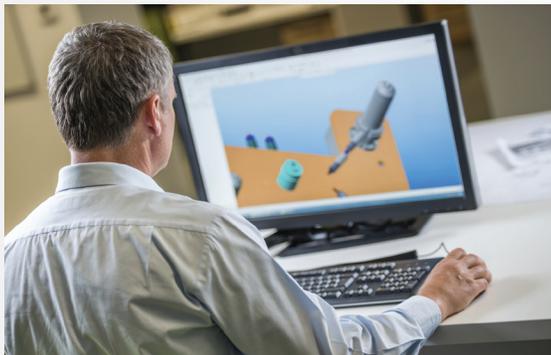
Model	Minimum Rope Breaking Force <sup>(1)</sup> kN (lbs)	Recommended Rope Diameter mm (in)	Drum Capacity per Layer <sup>(2)</sup> m (ft)						Max. Rope Storage Capacity <sup>(3)</sup> m (ft)
			Layer 1	Layer 2	Layer 3	Layer 4	Layer 5	Layer 6	
PS4000H30-L	132 (29,750)	13 (1/2)	17 (56)	36 (118)	57 (187)	79 (259)	103 (338)	129 (423)	156 (512)
PS4000H30GC-L	132 (29,750)	13 (1/2)	29 (95)	61 (200)	96 (314)	134 (439)	174 (570)	218 (715)	313 (1,026)
PS10000H75-L	368 (82,650)	20 (3/4)	20 (66)	42 (138)	66 (217)	92 (302)	120 (394)	156 (512)	219 (718)
PS10000H75GC-L	368 (82,650)	20 (3/4)	42 (138)	88 (289)	138 (453)	193 (633)	252 (827)	329 (1,079)	463 (1,519)

<sup>(1)</sup> Recommended minimum breaking force of wire rope based on top layer line pull rating.  
<sup>(2)</sup> Drum Capacity is based on tightly wound wire rope and 1/2" freeboard from the top of the flange to the top layer. Recommended drum working capacity is 80% of values shown.  
<sup>(3)</sup> Max storage capacity is tightly wound with no freeboard.

## How to Order



## Special Orders



A significant portion of our business is providing customized solutions for specific applications. We recognize that not all jobs are created equal and that the most cost-effective solutions may not be in an off-the-shelf item. We've designed and manufactured winches and hoists for applications as simple as moving bags of lettuce, to as intricate as installing critical payloads on space vehicles, including high capacity loads 100 tons and above.

- Design for custom capacities
- Custom control systems
- Custom product modifications
- Witness testing and complete certification to most global standards
- Full data package with CAD drawings
- Dedicated project management for your project from conception to delivery
- Onsite services available including presale and evaluation



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