



PORTABLE WINCH PRODUCT STANDARDS – DECLARATION OF CONFORMITY

WINCHES PCW-3000-LI-AIK, PCW4000, PCW5000, PCW3000, PCT1800, PCH1000, PCH2000

All winches are designed, manufactured and tested according to **European Standard EN 14492-1:2006 Power Driven Winches**. They also comply with **Machinery Directive 2006/42/CE** and associated standards and regulations. They also comply with **Australian Standard AS1418.2-1997: Serial hoists and winches** and **ISO standard 19472:2006 Forestry Winches**. All winches are designed under the guidelines of **ISO standard 12100:2010 Safety of machinery- General principles for design- Risk assessment and risk reduction**.

All electrical components are **CSA approved**.

Lifting winches **PCH1000** and **PCH2000** are designed, manufactured and tested according to **ASME Standard B30.7-2011 Winches (formerly titled Base-mounted drum hoists)**. Each winch is tested at the factory before shipping and test results are available upon request.

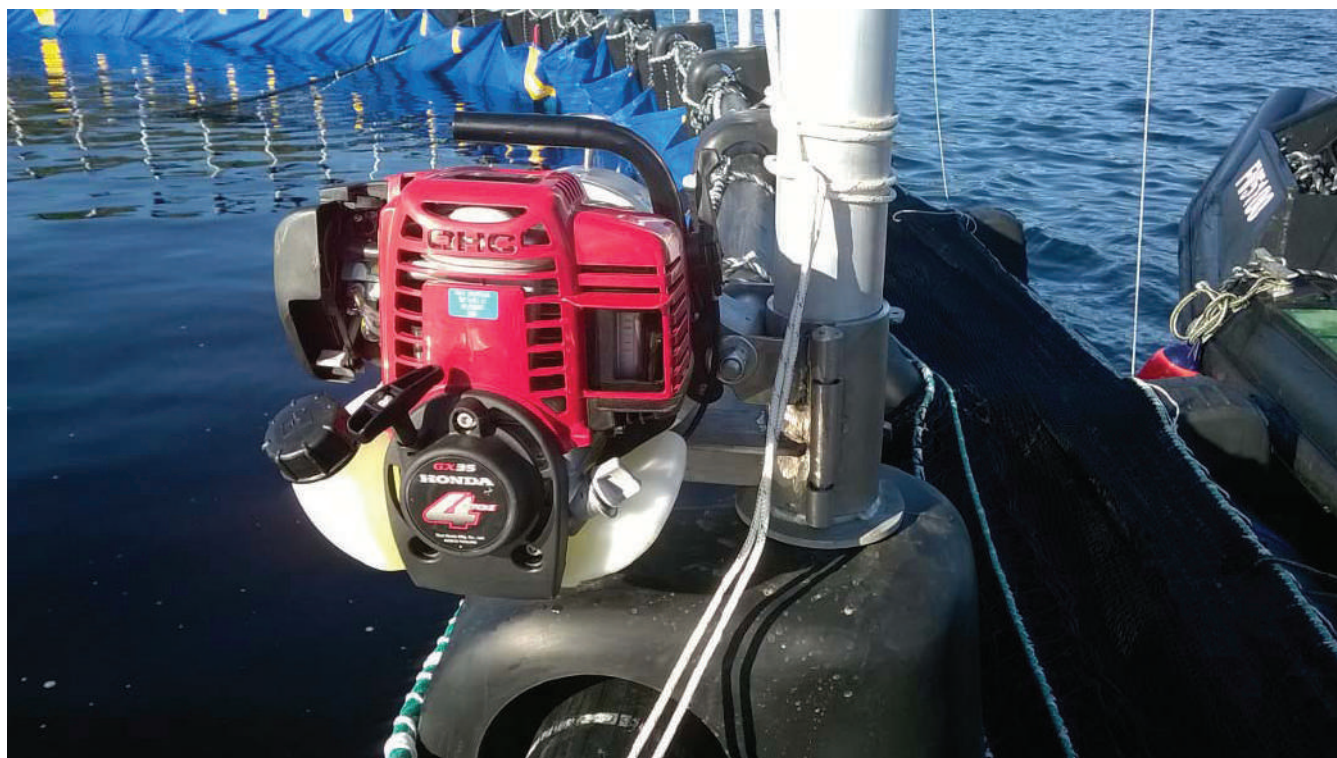
Lifting winches are classified as M3 according to **ISO Standard 4301-1:2016 Crane and lifting appliance classification**.

ROPES

All ropes are manufactured according to **EN ISO 10547:2009 Polyester Fibre Ropes- Double Braid Construction**. Ropes are marked according to **EN ISO 9554:2005 Fibre Ropes- General Specifications** with a printed tape between the core and cover indicating the appropriate ISO standard, material, quality and origin. They are also labelled according to ISO 9554 and include instructions for the proper use and inspection. Additional information, including test certificates from the manufacturer and detailed inspection criteria are available upon request.

PULLEYS

Pulleys **PCA-1271, PCA-1272, PCA-1292** are designed, manufactured and tested according to **EN 12278:2007 Mountaineering Equipment- Pulleys- Safety Requirements and Test Methods**. They meet the requirements of **Personal Protective Equipment Directive 89/686/CE** and are certified by an independent body.



PORTABLE CAPSTAN WINCH - OVERVIEW



Model No.	Specifications	Model No.	Specifications
	Max Pull* (kg): 700 Max. Pulling Speed* (m/min): 10 Weight (kg): 9.5 Petrol Powered		Max Pull* (kg): 775 Rated Lift Capacity* (kg): 250 Max. Pulling Speed* (m/min): 12 Weight (kg): 19 Petrol Powered
PCW3000		PCH1000	
	Max Pull* (kg): 1000 Max. Pulling Speed* (m/min): 1 Speed: 8.1 2 Speed: 10 3 Speed: 11.6 Voltage: Battery: 82V 4AH Weight (kg): 9.5 Battery Powered		Max Pull* (kg): 1150 Rated Lift Capacity* (kg): 450 Max. Pulling Speed* (m/min): 20 Weight (kg): 34.5 Petrol Powered
PCW-3000-Li-AIK**		PCH2000	
	Max Pull* (kg): 1000 Max. Pulling Speed* (m/min): 12 Weight (kg): 16 Petrol Powered		Max Pull* (kg): 1000 Rated Lift Capacity* (kg): 250 Max. Pulling Speed* (m/min): 4.8 Voltage: 230/50 VAC / Hz Weight (kg): 16 Electric Powered
PCW5000		PCT1800-50HZ-P-230V	
	Max Pull* (kg): 500 Max. Pulling Speed* (m/min): 24 Weight (kg): 16 Petrol Powered		Max Pull* (kg): 1000 Max. Pulling Speed* (m/min): 13.4 Weight (kg): 12 Petrol Powered Special Features: - Fitted with 360° tilting engine - Fitted with quick release automatic anti-roll back device
PCW5000-HS		PCW4000	

*Ratings based on use with standard size drum.

**See page 129 for full kit option - PCW-3000-Li-AIK(B)

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PORTABLE CAPSTAN WINCH – SPECIFICATIONS



PORTABLE CAPSTAN WINCH – SPECIFICATIONS

* Battery: Briggs & Stratton 82V 4AH (See Page 128 for Battery & Charger)

Register your winch at www.portablewinch.com and get 1 EXTRA YEAR of warranty for FREE



Model No.	PCW4000	PCW3000	PCW-3000-Li-AIK	PCW5000	PCW5000-HS
Designed for Pulling	Yes				
Designed for Lifting	No				
Engine/Motor & Gear Box					
Engine/Motor	All positions, 4-Stroke, Honda GX50	Honda 4-stroke GX-35 cc (All Positions)	1.0kW Electric Engine*	Honda 4-stroke GXH-50 cc	
Gear Box and Gears	Aluminium alloy gear box. Heat treated 3 stag spur gears. Shafts mounted on ball bearings. Oil bath lubrication.				
Gear Ratio	200:1			110:1	53:1
Brake	Anti-reversing roller clutch bearing	Anti-reversing needle bearing			
Clutch	Centrifugal	No clutch – Direct Drive			
Drum turns with Engine Idling	Yes				
Work Cycle	Continuous		Battery Life: 70 min Approx.	Continuous	
Capstan Drums					
Installed	76mm			57mm	85mm
Optional	–			85mm	57mm
Performance					
Max. Pulling Force					
57mm Drum	–		–	1000 kg	500 kg
85mm Drum	–		–	700 kg	350 kg
76mm Drum	700 kg		1000 kg	–	–
Rated Lifting capacity					
57mm Drum	Not designed for lifting				
85mm Drum					
Max. Pulling Speed					
57mm Drum	–		–	12m/min	24m/min
85mm Drum	–		–	18m/min	36m/min
76mm Drum	10m/min		11.6m/min	–	–
Rope					
Rope Grabbing System	Yes	No			
Type	Low stretch double braided polyester – unlimited length – Eye splice and thimble mandatory for lifting applications				
Recommended Diameter	10mm			12mm	
Minimum Diameter	10mm				
Maximum Diameter	12mm				
Weight & Dimensions					
Weight (Dry)	12 kg	9.5 kg		16 kg	
Length	42	28.9cm	31.8cm	36.2cm	
Width	30	35cm	30.2cm	37.1cm	
Height	28.5	26.1cm	31cm	36.1cm	
Other					
Certification		CE			
Classification (ISO) Lifting	–				
Anchor					
Included	Polyester sling 60mm x 2m (PCA-1260)				
Optional	Full line of accessories				
Warranty					
Private Use	5 years				
Commercial Use	1 year				



PORTABLE CAPSTAN WINCH – SPECIFICATIONS



Model No.	PCH1000	PCH2000	PCT1800-50HZ-P-230V
Designed for Pulling	Yes		
Designed for Lifting	Yes		
Engine/Motor & Gear Box			
Engine/Motor	Honda 4-stroke GXH-50 cc	Honda GX-160 cc	AC Electric Baldor TEFC 230 VAC – 1ph – 3/4HP – 50HZ
Gear Box and Gears	Aluminium alloy gear box. Heat treated 3 stag spur gears. Shafts mounted on ball bearings. Oil bath lubrication.		
Gear Ratio	110:1	53:1	110:1
Brake	Anti-reversing needle bearing	Double one way bearing	Anti-reversing needle bearing
Clutch	Centrifugal		No clutch – Direct Drive
Drum turns with Engine Idling	No		No idle on electric motors
Work Cycle	Continuous		25% (15 min/hour to prevent motor overheating)
Capstan Drums			
Installed	57mm	108mm	85mm
Optional	85mm	–	57mm
Performance			
Max. Pulling Force			
57mm Drum	775 kg	Not available – use only with 108mm drum	1000 kg
85mm Drum	540 kg		820 kg
108mm Drum	–	1150kg	–
Rated Lifting Capacity			
57mm Drum	250 kg	Not available – use only with 108mm drum	250 kg
85mm Drum	175 kg		250 kg
108mm Drum	–	450kg	–
Max. Pulling Speed			
57mm Drum	12m/min	Not available – use only with 108mm drum	4.8m/min
85mm Drum	18m/min		7.2m/min
108mm Drum	–	20m/min	
Rope			
Rope Grabbing System	Yes – can be disabled		
Type	Low stretch double braided polyester – unlimited length – Eye splice and thimble mandatory for lifting applications		
Recommended diameter	12mm		
Minimum diameter	12mm		
Maximum diameter	13mm		
Weight & Dimensions			
Weight (dry)	19 kg	34.5 kg	27 kg
Length	50.5cm	45.8cm	55.6cm
Width	37.1cm	56cm	36.6cm
Height	36.1cm	35.6cm	36.6cm
Other			
Certification	CE		
Classification (ISO) Lifting	M3		
Anchor			
Included	Polyester sling 60mm x 2m (PCA-1260)		
Optional	Full line of accessories		
Warranty			
Private use	2 years		
Commercial use	1 year		
Bonus warranty	Register your winch at www.portablewinch.com and get 1 EXTRA YEAR of warranty for FREE		