

PowerClimber®



NEW PC1

The updated PC1 hoist marries the trusted PC1's breech reeving capability with the proven low voltage performance of our newest models. With the deepest voltage operating range on the market and the easy-to-replace motherboard, the PC1 manages poor power better than the competition. Trust the market innovator to bring industry-leading voltage performance to the market-leading, breech reeving PC1.



Features

Proven market leading PC1 with reliable performance from 177-229 run volts

Simple electrical troubleshooting using motherboard swap-out method

Breech reeving allows no-power rigging and derigging, saving time and money

Easily self-reeves

Easy to operate, train to, and troubleshoot

Backwards-compatible components allow owners to easily update their older PC1s with the best combination of power management and fleet-efficient features.

Specifications

Weight: 102 lbs. (46.3 kg)

Dimensions: 13 in. x 12 in. x 20 in. (330 mm x 305 mm x 508 mm)

Operating Range: 208V +10%/-15%

Operating Speed: 35 ft/min. (10.7 m/min.)

Amp Draw: 7.5A @ 208V

Wire Rope: 5/16 in. (8.4 mm), 5x26, 6x19 or 6x31 Right Regular Lay, Improved or Extra Improved Plow Steel, Preformed, Galvanized or Bright. User must verify that the wire rope meets or exceeds applicable codes for breaking strength safety factor. Canadian standards require a 10:1 safety factor on the breaking strength.


	PC1-1000E	PC1-1000A	PC1-1000E3	PC1-1000 EDV
Working Load Limit	1,000 lbs.	1,000 lbs.	1,000 lbs.	1,000 lbs.
Speed	35 ft/min.	Up to 35 ft/min.	35 ft/min.	35 ft/min.
Weight	102 lbs.	88 lbs.	102 lbs.	104 lbs.
Voltage	208 or 220 VAC 1 Ph	90-120 PSI	208/240 VAC 3 Ph	220/110 VAC 1 Ph
Current	7.5 A @ 208V or 9 A @ 220V*	40-70 CFM	6 A	7/14 A
Circuit Breaker	20/30 A	N/A	20/30 A	20/30 A
Dimensions (w x d x h)	13 in. x 12 in. x 20 in.	14 in. x 12 in. x 18.5 in.	13 in. x 12 in. x 20 in.	13 in. x 12 in. x 20 in.

* The 220V model is not available for new production.


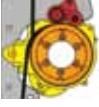







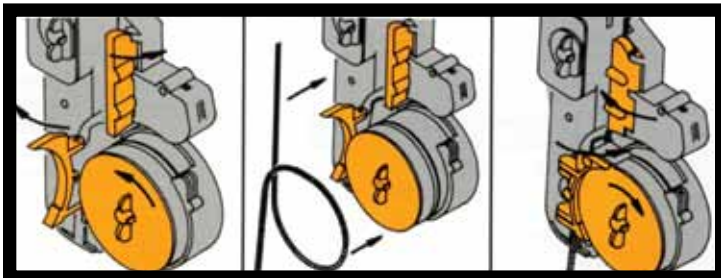
Change the motherboard out to solve an electrical issue in less than 5 minutes.



 Quality made in the USA. U.S. patent No. 4,611, 787. Patented in other major countries. Other patents pending.

Standard Features of the PC1 Hoist

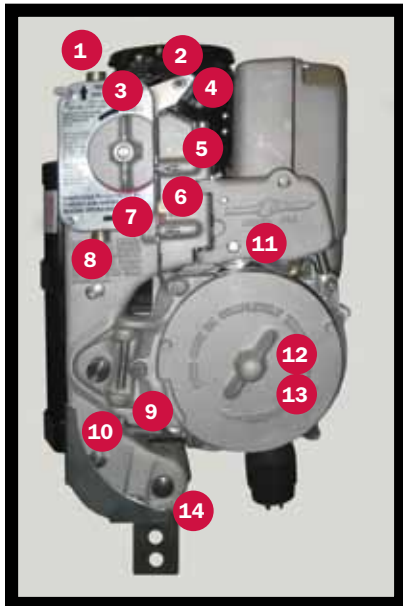
Feature	Function	Benefit	
Broad Operating Range: 208V, +10%/-15%	<ul style="list-style-type: none"> Significantly improved performance at low voltage Proven reliable performance from 177 to 229 run volts Tested in 30 minute continuous run tests 	<ul style="list-style-type: none"> Reduces service calls Extends electric component life Allows longer drops with yoked hoists Saves time and money Significantly reduces need for transformers to boost voltage, saving money 	
220V, +/- 10%	<ul style="list-style-type: none"> Proven reliable performance from 198 to 242 run volts Tested in 30 minute continuous run tests 		
Load Sensitive Traction	<ul style="list-style-type: none"> Applies only the traction needed to lift load, not full 1,000 lbs. lifting force on rope Virtually eliminates the risk of wire rope jam 	<ul style="list-style-type: none"> Greater tolerance of wire rope condition Saves wear and tear on rope, extending wire rope life Saves costly wire rope jam in field Minimizes the need for rescue Minimizes wire rope destruction and lengthy service Lowers total cost of hoist ownership 	
Voltage Indicator	<ul style="list-style-type: none"> Indicates voltage to unit 	<ul style="list-style-type: none"> Easy visual inspection can eliminate a service call Technician can diagnose voltage problem by phone 	
Remote Ready	<ul style="list-style-type: none"> Built-in pendant port accepts plug-in remote control Compatible with 8-0281 series remotes 	<ul style="list-style-type: none"> No need to drill and wire remote into hoist Leaves hoist-mounted controls operable 	
Built-in Overspeed Brake	<ul style="list-style-type: none"> Stops hoist in overspeed condition Cannot be left behind in shop, bypassed, or dismantled 	<ul style="list-style-type: none"> Ensures greater operator safety Improved reliability 	
Controlled Descent	<ul style="list-style-type: none"> Allows downward travel at a controlled rate of speed in the event of power loss 	<ul style="list-style-type: none"> Allows easy, safe self-rescue Eliminates the need to rig additional equipment and perform operator transfer 	
Built-in Secondary Wire Rope Brake	<ul style="list-style-type: none"> Allows use of secondary suspension wire rope for required applications (double deck, overhead protection, some industrial applications) or eliminates independent safety lines. Ensures code compliance 	<ul style="list-style-type: none"> More versatile hoist ready for any application Integrated design eliminates damage, misuse or accidental omission Significantly lower cost for secondary wire rope benefit compared to other manufacturers Lowers total cost of hoist ownership 	
Optional Feature of the PC1 Hoist			
Overload Device (mounted on suspended scaffold)	<ul style="list-style-type: none"> Allows to be shop set to 750 lbs. or 1,250 lbs. Refer to overload instructions. 	<ul style="list-style-type: none"> Reduces rigging material & labor. May be required in Canada. 	



1. Open access doors and retract sheave.
2. Insert wire rope.
3. Rotate the sheave back in and close the access doors.

Breech Loading

The PC1 not only self-reeves, it can be easily breech-loaded anywhere on the wire rope. This versatile feature is great for reeving long lengths of wire rope, to reeve rope with a damaged end or for reeving without power.



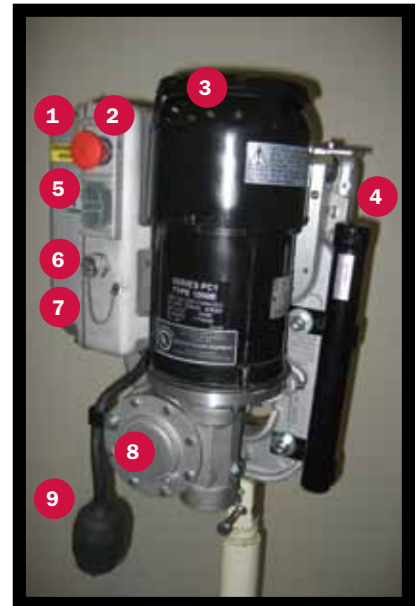
Front View

1. Secondary wire rope insertion point
2. Main suspension wire rope insertion point
3. Overspeed brake reset knob
4. Slack rope lever and inlet guide
5. Overspeed access door
6. Overspeed inspection port
7. Overspeed sensor wheel (with red stripe)
8. Frame
9. Diverter cover
10. Tail line guide
11. Traction roller assembly
12. Sheave guard
13. Traction sheave (under sheave guard)
14. Stirrup bar



Side View

1. "No Power" emergency descent lever
2. Load lock
3. Manual secondary overspeed brake button



Back View

1. Emergency power cut-off button
2. Voltage indicator
3. Electric motor with brake
4. Carrying handle (Operator's Manual location)
5. Up / down controls
6. Remote ready connection port
7. Electric control box
8. Gearbox
9. Power supply plug



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