

Power Climber Wind helps major wind turbine OEMs, owners, and service providers manage their operation and maintenance costs by providing the most reliable access equipment and expertise to improve employee safety, productivity, and retention.



IBEX™ 1000 SERIES CLIMB ASSIST

IBEX™ 1000 Features

Full Control at the Climber's Fingertips

Adjustable to User Weight

Constant Assist Adapts to Climbing Speed Instantly

Climber Always Controls Climb Speed

Instant Stop Button

True Down Assist

Lightweight EasyClimb Controller

Closed Loop Adaptive Motor Control

Simple Mechanical Installation

Least invasive solution to internal ladder

Compact motor and drive control

Fast and easy to install

Fits in any tower

Adjusts to any rung spacing & ladder design

IBEX™ 1000 Description

The IBEX™ Ladder Climb Assist puts the complete control over the climbing effort and experience in the hands of the climber. The EasyClimb Controller gives the climber complete, constant control over load selection and when to disengage powered assist,

at any level in the tower. Using a patented feedback loop and field-proven robust wireless signaling of climber activity, IBEX™ delivers personalized performance and increased climber safety, comfort and confidence in any tower.





IBEX's patented continuous closed feedback loop employs a lightweight EasyClimb Controller. This simple wireless control connects the climber's body harness to the assist rope. The EasyClimb Controller transmits signals to the motor to maintain the desired level of assistance and to respond instantaneously to changes in climbing speed or direction. The field-tested controller's wireless signal seamlessly communicates climber behavior to adapt motor output for a consistent, reliable assist.

Getting Started

Climber dons standard climbing front D-ring harness.

Climber turns on motor and connects EasyClimb Controller rope grab to static assist rope.

Climber selects the desired level of assistance – from 25, 35, 45 or 55 kg – at the EasyClimb Controller with an easy touch of the stop and up buttons. LED display signals assist weight selected.

Climber presses the up button and starts up the ladder.

Continuous signals from the EasyClimb Controller control motor power and provide the selected level of assistance regardless of the user's speed and climbing style.

Climb Assistance is provided in both up and down directions.

Climber stops moving or presses stop button to stop motor.

Climber presses the stop and down button to descend.

Closed loop control allows for instantaneous adaptive motor response making the IBEX more responsive to changes in climbing speed and direction.

Climber can connect to or disconnect from assist rope at any location.

EasyClimb Controller prohibits second climber on rope increasing safety.



Top sheave and mounting brackets

Assist rope guide at intermediate platforms

Rungs reinforced to protect ladder

No pinch points or moving weights. Motor installation does not obstruct lowest rungs.

Gearmotor, drive controls, drive sheave, and mounting brackets

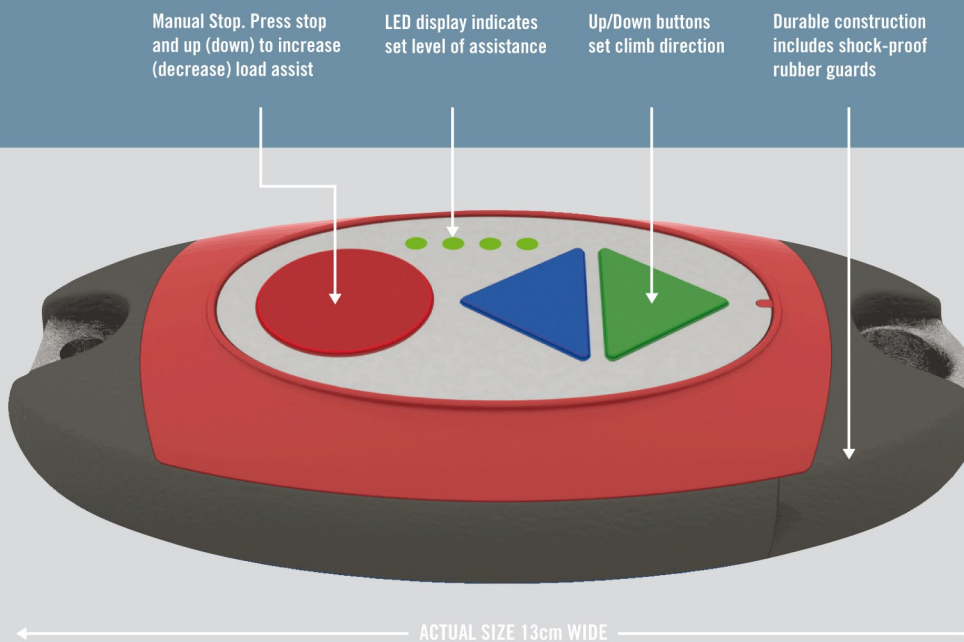
Sealed bearings in drive unit—no lubrication necessary

Easy mounting with several configurations to adapt to space available

Simple mounting system easily adaptable to all metric and imperial ladder sizes and types without remanufacturing

Initial installation: 2 to 3 hours – then hook-up and climb. No need to bring a motor to the tower.

The EasyClimb Controller travels with the climber from tower to tower. Use it to customize the ride and to control movement.



IBEX™ Climb Assist Key Features

EasyClimb Controller
Climber controls assistance at anytime, at any location.

Manual Stop
Climber instantly stops system – no lag effect.

True Down Assist
Comfortable assist on descent relieves knee and spine fatigue.

Motorized with Load Sensing Technology
Smooth, stable assistance to the climber. Never an unsure start/stop or hard tugging.

Robust Wireless Signal
Works in towers of any height.

Feedback Control
Load assist support is independent of climbing speed assist – climber controls both at any location.

Universal Motor
Adapts to 110 or 220V, 50 or 60 Hz single phase - fewer models to track.

Engineered Universal Mounting System
Simple, robust mounting adapts to all OSHA 1910.27 and ISO 14122-4:2004 4.4.1.1 compliant ladder spacing with one product – no guesswork or shims needed.

Fast mechanical installation
No calibration or extensive programming. Install, connect, set load and climb.

IBEX™ delivers more climber control. Safe, confident, comfortable.

Key Features	Benefits	IBEX™	OTHER SYSTEMS	
			POWERED	COUNTERWEIGHT
Continuous loop	Allows use by multiple climbers without “reset” time	Yes	Few	No
Adjustable level of assist	Optimizes comfort and performance for climbers of different weight	Yes, on EasyClimb Controller	Few, at motor only	No
Adjustable speed	Maintains desired level of assist at different climbing speeds	Yes	No	Yes
Assist on descent	Provides load relief on the descent as on the ascent of the ladder	Yes	Few	Yes
Soft start / stop	Improves climber comfort by eliminating jerky starts and stops	Yes	Few	No
Manual stop	Added safety feature to stop motor at anytime	Yes, on EasyClimb Controller	No	No
UL approval	Ensures safety and reliability	All electrical components UL listed	No	No
Maintenance mode	Allows for easy inspection of assist rope	Yes	No	No
Ease of Installation	Engineered universal mounting system. Simple to install	Yes	No	No

IBEX™ 1000

Power Climber Wind customers value how our 60 years of performing productively at elevation translates into more efficient product designs that are simple to get right and hands-on training solutions to drive to lower total cost of ownership and better user satisfaction.

Specifications

Power Supply: 110Vac 60 Hz;
230Vac 50 Hz 1ø, 0.5HP Motor
Amperage Draw: 5.2 maximum
Assist Rope Diameter: 10.5mm
Environmental Rating: IP55
Corrosion Protection: Class 3
Temperature Range: -35C to +40C
Operating -40C to +60C Storage

Complies with:

US: All electrical components
UL®/ CUL® listed. Moving
parts guarded to comply
with OSHA 1917.151
EU: Machine Directive
2006/42/EC

Wireless

US: FCC part 15
EU: EN300 220-1

IBEX™ is available in 3 standard models:

1060 for 60M-class towers
1080 for 80M-class towers
1100 for 100M-class towers

Custom lengths available
upon request.

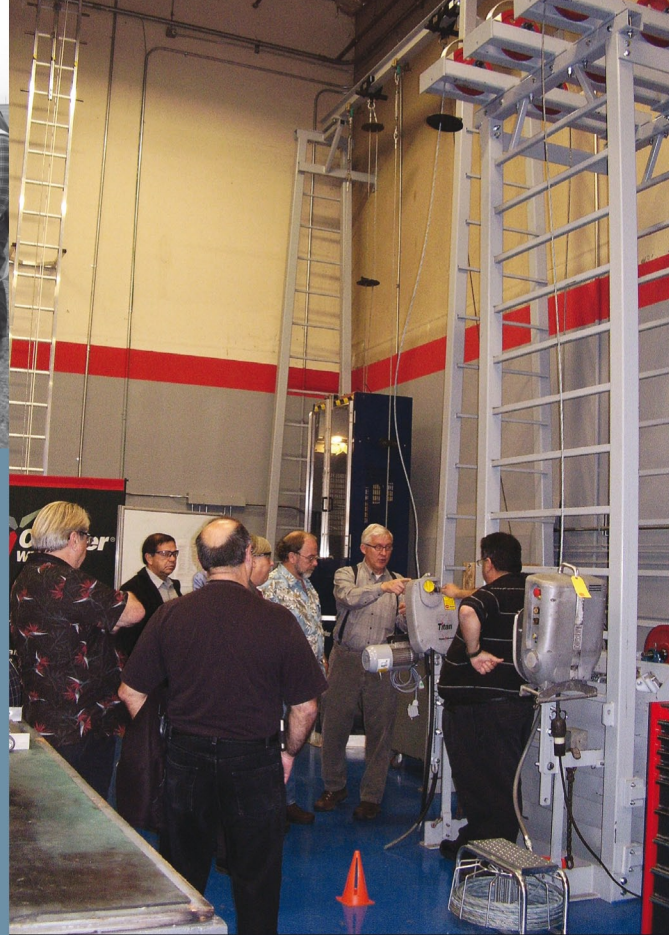


60 years of moving people to where the work is drives simple, smart products that are effortless for users. Power Climber Wind's commitment to a safe confident, comfortable experience working at height is rock-solid:

Certified components: Our suppliers and components are certified to our specifications and each of our climbing and service lift products is manufactured and inspected to strict standards.

Warranty and Support: All Power Climber Wind products carry our standard 2-year warranty, backed by worldwide service support.

Training Services: Installation, safe operation and competent person offerings.



Images are illustrative only.
For operating instructions or
additional safety information,
see the Operators Manual.

IBEX™ is not a fall arrest product.
Always wear appropriate fall arrest
and other personal protective
equipment when climbing. Comply
with local, state and federal codes.

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