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ACCESS EQUIPMENT



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# Climb Assist

Climbing Assistance for  
Improved Health & Safety

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# Climb Assist

## Climbing Assistance for Improved Health & Safety

The repetitive motion of climbing the turbine tower is time-consuming and strenuous. Our Climb Assist provides a constant lifting force during tower ascent and descent, significantly reducing fatigue and strain. This boosts health and safety while also augmenting employee satisfaction and retention.

The 3S Lift Climb Assist features an advanced design that automatically adapts to the climber's speed. Variable-frequency vector control assures precisely attuned assistance, whether climbing up or down the tower. No manual operation is required to start or stop the system, allowing the operator to always maintain a safe hold on the ladder.

The Climb Assist can be easily retrofitted to any turbine ladder in less than three hours. It is easy to install and maintain, providing a low-cost solution for climbing assistance. Highly valued for its safety, reliability, and ease of use, the 3S Lift Climb Assist has been installed in over 40,000 turbines worldwide.



## Climb Assist Specifications

Lifting force	Adjustable from 30–50 kg (60–110 lbs)
Wire rope diameter	6 mm
Protection class	Motor: IP 55; control box: IP 66
Power supply	Single / 3 phase, 220 V, 50 / 60 Hz. Optional: 3 phase, 400 V, 50 Hz
Lifting speed	Adapts to climber's speed; max. 37 m/min (120 ft/min)
Operating temperature	-40°C – +60°C (-40°F – +140°F)
Weight	Control box: 3.3 kg (7.2 lbs); motor: 17 kg
Certification	CE, ETL, OSHA compliant

### Advanced Speed-Adapting Technology

Equipped with advanced speed adapting technology, the Climb Assist provides steady assistive force, adapting dynamically to the climber's speed.

### Variable-Frequency Vector Control

Variable-frequency vector control enables excellent dynamic performance and comfortable assistive force.

### Ascent and Descent Assistance

The Climb Assist offers a constant lifting force of 30–50 kg (65–110 lbs) during ascent and 30 kg (65 lbs) during descent. This reduces stress on the body, especially on the knees and ankles.

### Minimal Maintenance

The drive and the control box are designed to require no annual maintenance, reducing the overall maintenance time of the Climb Assist to a minimum.

### Top Sheave

The top sheave fits between the top two rungs, thus minimizing required installation space.



### Traction Wire Rope

The traction wire rope is made of steel, providing safe and reliable performance in addition to extraordinary durability.



### Portable Control Box

The lightweight portable control box can be used to support one or multiple units. Waterproof and vibration-proof, it features an industrial cable plug for convenient and quick connection.



### Motor

The motor provides a continuous lifting force of 30–50 kg.

