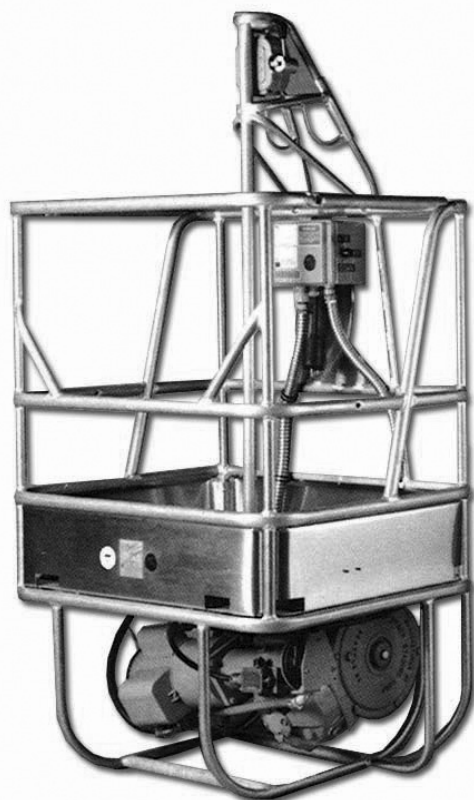


ST-180 Electric Spider



Key Features:

- Electromagnetic-actuated primary brake engages whenever power is off.
- Automated emergency brake engages in the event of sudden or excessive downward acceleration.
- Overload limit switch halts upward travel when hoist is overloaded.
- Durable, efficient transmission exceeds industry performance expectations.
- Motor and winch are mounted below deck to reduce workspace obstructions and protect components from hazards in the work environment. The drive unit creates a low center of gravity for the work cage, providing greater protection and stability.
- Level winding winch automatically and neatly stores wire rope on drum, eliminating dangling wire rope tails, ground hazards and premature rope replacement.
- Wire rope positively attaches to the drum with swaged-on cable drum hook and is supplied with thimble eye on the rigging end.
- Specially designed control lever for easy operation
- Reinforced midair transfer point
- Reliable vented transmission prohibits entry of corrosive agents for greater durability.
- **1,000 ft version available in rental fleet only.**

Durable, efficient transmission offers workhorse performance with minimal parts and maintenance.

- Controlled descent at half rated speed during power loss
- Long-lasting electromagnetic brake; always engaged when power is off
- Built-in overload sensor and overspeed brake
- Reinforced midair transfer point and wear plates at base
- Hour meter records operating hours for maintenance tracking

A self-contained, single line unit, the ST-180 features a working swath of 8 ft (2.4 m). Adding flydecks enlarges the ST-180 to 14 ft (4.3 m), accommodating two workers to double productivity. Contractors can add modular platforms or plank sections between two ST-180s to form a double line suspended scaffold. With modular sections, workers can quickly connect sections without special tools to create a maximum reachable working swath of 56 or 62 ft (17.1 or 18.9 m) with flydecks attached. The unit comes equipped with numerous safety devices to ensure safe operation.

Specifications:	ST-180
<i>Model numbers for different voltages and capacities are listed in the Hoist Comparison Table on page 25.</i>	
Gross Load Capacity:	1,250 lb (567 kg)
Dimensions:	37 x 29 x 72 in. (940 x 737 x 1,829 mm)
Weight:	Base model weight of 260 lb (117.9 kg) See Hoist Comparison Table on page 25.
Travel Speed:	30 ft/min (9.2 m/min)
Voltage Options:	220V single phase and 208V three phase (50 and 60Hz models available)
Drum Capacity:	500 or 1,000 ft (152 or 304 m)
Wire Rope Size and Construction:	5/16 in. (8 mm) Seale Construction 6 x 19
Construction:	Aluminum and steel



**For welding installation
details, see pages 63-64.**

Frequently used accessories:

- SA-1072 Ground Dolly on page 67.
- SA-1036-3 Face Roller on page 66.

