

# Smooth-Operating Winches for a World of Comfort



**PROTERRA<sup>®</sup> Winches** provide dependable, smooth movement of curtains and tunnel doors. Available models include cable-pulley, chain-sprocket and cable straight-out versions in sizes ranging from 26 to 76\* inches (66 to 193 cm). Winch can be wall- or ceiling-mounted.

- Durable pulley wheels or chain drive sprockets provide reliable operation.

- Choice of greasable traveling bronze nut option (shown here) or two-piece plastic nut (shown at far right).

- Galvanized steel housing is corrosion resistant.

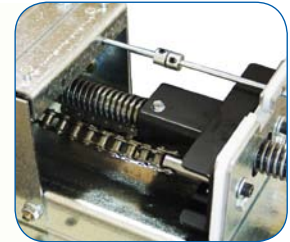
- A limit switch backed up by a safety switch helps to prevent travel outside desired range, avoiding potential for structural damage.

- Unit is designed for easy addition of potentiometer or other position-sensing device without shortening length of stroke.

- Swivel heads lock in position so cable or chain can angle from -5 to over 90 degrees without the need for external pulleys.

- Plastic electrical box is sealed against moisture and dust.

- Unit features easy-access cover as well as proven gearhead and reversible motor.



*Optional two-piece plastic nut glides smoothly and is easy to replace or retrofit.*



*Safety switch light indicates when a limit switch needs to be replaced.*

## SPECIFICATIONS

- Choice of 115 or 230 volt, 50/60 Hz power.
- Take-up speeds of 6 or 12 inches per minute (15 or 30 cm per minute).
- 2000 pound (900 kg) load capacity.
- Maximum travel of 72 inches (183 cm) with direct pull 1:1 cable connection.

\*An 18-inch (46-cm) winch with 800 pound (360 kg) lift capacity is also available.

## Reliable Inlets for a World of Comfort



**PROTERRA**<sup>®</sup> **Metal Inlets** feature solid construction for years of reliable performance and a variety of performance-enhancing options such as side shields to eliminate side leakage during minimum ventilation operation and blue foam to reduce light transmission.



- No assembly required.
- Available in heights of seven or 12 inches and lengths of 44, 46 or 55.5 inches.
- Patented pull-up bracket simplifies cable attachment through brass cord bushing.
- Optional air flow side shields help direct cold air away from birds during minimum ventilation operation.
- Side shields ship flat and fold out on site.
- Optional latch to easily lock inlet shut when needed.
- Stainless steel hinges and clinch-fastened (not welded) frame help minimize corrosion.
- One-inch blue foam insulation board helps reduce light.



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