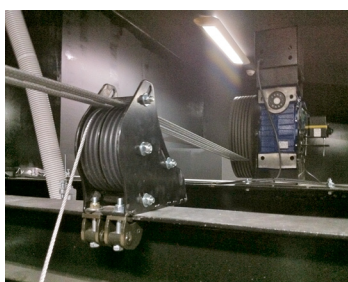
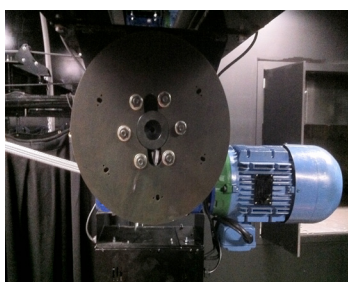
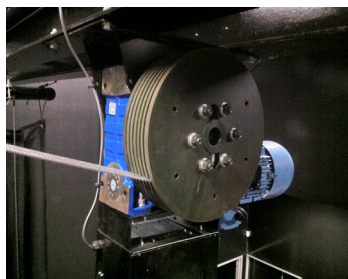


STS434-550 Pile Winch



Description

The STS 434-550 pile winch has been designed to be robust and reliable, providing an economical multi line suspension unit ideal for theatres, schools, clubs, multipurpose venues and TV & film studios.

The mounting system makes it simple to exchange the winding sides from right to left and the unit can also be easily changed from wall to floor mounting. The unit can be mounted with the base plate either below or above the motor to allow for maximum flexibility. The pile winch also has our unique snail cam cable drum to ensure smooth cable wind.

The STS434-550 truly delivers world-class quality and reliability at a price that won't wind you up...

Features

- On unit control buttons
- Snail cam cable drum
- Drum guard for improved safety
- Universal mounting system
- Quality European-made gear box
- Electronic regenerative brake
- Lockout circuit prevents use of motor if brake is out of specification
- Factory option for cable size selection
- Emergency stop on unit cuts power and engages brake
- Easily adjusted limit switch box provides over-travel protection
- Secondary over-travel limit switch option
- Input/outputs via screw terminal connection
- Option for double drum with up to 12 cables

"Specialty Theatre use first-hand experience to design theatrical equipment that is practical and reliable, which is why their products have been sold in over 28 countries around the world"

NOTE: Specifications are subject to change without notice. While all due care and attention has been taken in the preparation of this document, Specialty Group Pty Ltd shall not be liable for any inaccuracies or omissions which may occur herein.

Specialty Group Pty Ltd
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 **specialty theatre™**

... passion for performance

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STS434-550 Pile Winch

ARCHITECT'S/ENGINEER'S SPECIFICATION: Mechanical and Electrical

The pile winch shall use a steel mounting plate with 15 mounting holes. The cable winder shall comprise thick steel plates located in place by 6 x M14 grade 8 bolts, with the winch shaft keyed into the hollow shaft gearbox.

Winch capacity shall meet a 550kg rating for a drift of 15.0 mts, and 750kg for 6.0 mtr drift. Winch braking shall comprise of primary braking from the gearbox design (once motor is inactive the output shaft will not move) and incorporate a secondary brake on the motor to prevent the motor from moving. Braking shall exceed 200 percent of the output torque.

The power supply requirement is single phase, 240 volts, at 15 amps. Winch shall have a 1500w, 3 phase, 4 pole A/C electric motor driven by a electronic Vector Series inverter, providing full torque at low speed. The 2 pole limit switch will provide outputs to the control system and to external indication.

An option for a remote control shall be provided in addition to the inbuilt control switches on the main electronics box. The electronic control box shall be fitted with dead man's momentary push switches, an emergency stop switch and brake indicator lamp. Internal circuitry shall provide a lockout function in case of brake failure; in the event of failure the user will be prevented from using the winch. Connection points shall be provided for connection to both control stations and external safety systems.

The pile winch shall be a Specialty Theatre- STS434 pile winch.

OVERALL SPECIFICATIONS:

Number of lines: 6 cables @ 5mm

SWR type: 5mm

Lifting Capacity: 750kg@6.0 mtr drift; 550kg@15.0 mtr drift (see graph below)

Max lift height: 15.0 mtr

Speed (average): 7.5 mtr/min

Speed (max): 12.5 mtr/min

Motor type: 4 pole A/C

Control system: Quality German-made Vector control (full torque at starting) speed controller

Braking system: Gearbox primary brake, locks the output shaft. Secondary braking system with indicator lamp.

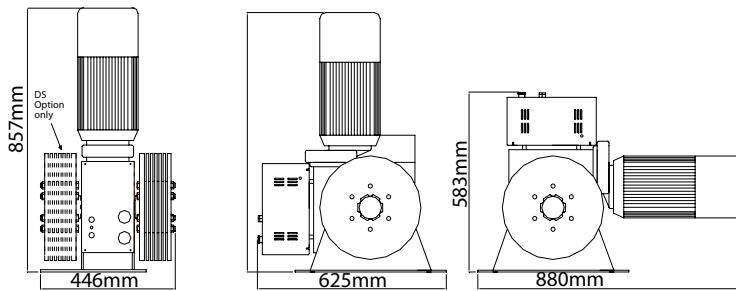
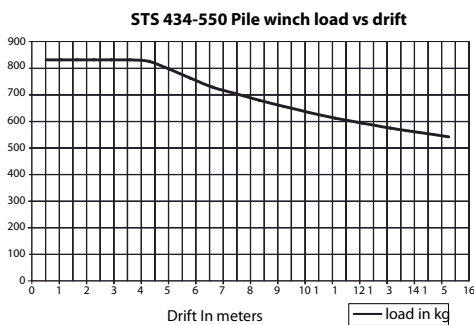
Limit switch: 2 pole (option 4 pole)

Power supply: Single phase 240v, 15A

Power connection: 15A harded wired (no RCD on supply)

Net weight: 135kg

Warranty: 3 year/return to factory; 1 year parts/labour; 2 years parts only



* Note: Due to ongoing product development dimensions may vary without notice from those shown.

For further information please contact Specialty Theatre or an authorised Specialty Theatre dealer.