



DESCRIPTION

The Jands motorised curtain winch system consists of a compact grooved drum motorised winch (JND-H100D-S or H100D-SE), a self contained variable speed motor control unit (JND-HC01-V) and an optional remote push button control station (JND-HCPB-C).

The JND-H100D-S & H100D-SE feature a precision Stromag 4 pole rotary limit switch. In addition, the H100D-SE is equipped with an encoder to allow positional control of the winch.

The motorised drum winch consists of a 370W 3 phase motor and 30:1 worm drive gearbox, driving a 180mm diameter grooved nylon drum. The drum accommodates 14 of 4mm wire rope (plus dead turns), making it suitable for bi-parting curtains in excess of 28m width.

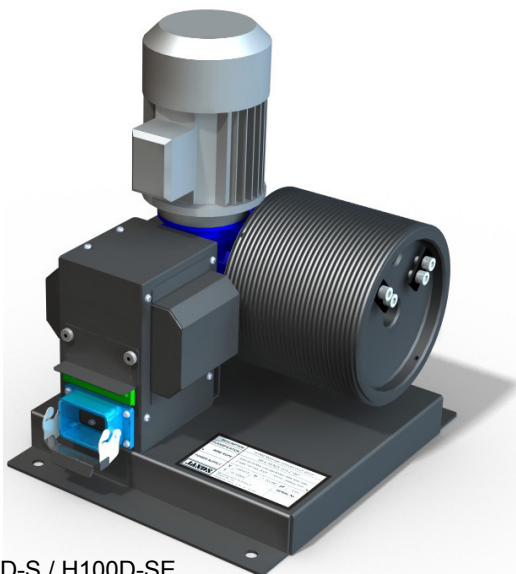
The JND-HC01-V is a self contained electronic inverter drive unit for the drum winch. This unit provides the 3 phase output to the motor and connects to a standard single phase 10A power outlet. Connections are provided for the "open" and "close" direction limit switches of the drum winch.

Front panel mounted Open, Close & Stop pushbuttons allow for control of the drum winch directly from the HC01-V controller. An optional JND-HCPB-C remote control station offers increased flexibility in the location of the control position.

Control pushbuttons are latching (Press and Run) by default, requiring the use of a Stop button. An internal wire link can be removed to provide momentary ("Dead-Man") operation.

The winch speed is factory set at 50Hz for typical 'Curtain' systems. Internal changes can be performed to increase or decrease the speed as required.

The Jands motorised drum winch is suitable for winching of curtains on horizontal tracks (i.e. French Action or Draw curtains). It is not fitted with a brake and is therefore not suitable for vertical curtain actions (Festoon or other Lifting curtains).



JND-H100D-S / H100D-SE

OVERALL SPECIFICATIONS

JND H100D-S or H100D-SE

Supply Voltage	:	230V 3 Phase Δ
Supply Frequency	:	0.5—200Hz
Supply Current	:	0.8A/Phase
Motor Power	:	370W
Power Factor	:	0.65
Limit Switch Type	:	Stromag 4 pole rotary
Drum Size (mm)	:	180 (dia.) x 150 (long)
Wire Rope Size	:	4mm
Useable rope length	:	14m
Speed	:	Variable from 50mm/sec to 0.5m/sec
Dimensions (mm)	:	305(W)x 433(H)x 360(L)
Weight	:	20kg

JND-HC01-V

Supply Voltage	:	200-250V Single Phase
Supply Frequency	:	50/60Hz
Supply Current	:	5.3A (Max)
Output Voltage	:	230V 3 Phase Δ
Output Frequency	:	0.5—200Hz
Output Current	:	2.1A/Phase
Dimensions (mm)	:	250(W)x350(H)x155(D)
Weight	:	6kg

FEATURES

JND-H100D-S or H100D-SE

- Curtains up to 28m width & 100kg weight
- 4mm Wire Rope
- Integral Limit Switches

JND-HC01-V

- Self contained variable speed motor controller.
- Integral front panel controls and indicators.
- Latching or momentary control operation.
- Connects to a standard power point.
- Adjustable speed control.

ORDERING INFORMATION

<u>MODEL/PART</u>	<u>PART NUMBER</u>
Curtain Motor Controller	JND-HC01-V
Remote Pushbutton Station	JND-HCPB-C
Motorised Drum Winch with Encoder	JND-H100D-SE
Motorised Drum Winch without Encoder	JND-H100D-S



JND-HC01-V



MOTORIZED CURTAIN WINCH SYSTEM

H100D-S/H100D-SE

Technical Specification Sheet

ARCHITECT & ENGINEER'S SPECIFICATION

Mechanical

The motorised curtain winch shall consist of a grooved drum, machined from Ertalon 6XAU nylon and shall accommodate 13m of 4mm wire rope.

This drum shall be attached via a keyed shaft to a 30:1 ratio helical worm motorised gearbox.

The gearbox/motor assembly shall be mounted to a pedestal and mounting plate fabricated from 2mm cold rolled steel, and powder-coated in a gloss black.

A rotary limit switch assembly, driven via a toothed belt and driven wheels from the gearbox output shaft, shall be fitted to the mounting plate in such a way as to permit tension adjustment of the drive belt.

The motorised curtain winch shall be compatible with the Jands JH, JS and JT curtain tracking systems, and shall be able to operate a draw curtain of 14m, or a bi-parting curtain of 28m width.

The motorised curtain winch shall also be suitable for use as a motorised masking curtain winch.

The motorised curtain winch shall be the Jands H100D-S or H100D-SE.

Electrical

The motorised drum winch shall be driven by a 4 pole 230V 3Phase AC synchronous motor. It shall be fitted with a 4 pole, fast acting changeover type, 30:1 geared limit switch assembly driven from the winch gearbox via a toothed belt and drive wheels.

The curtain motor controller shall consist of a single phase 230V input electronic variable speed inverter with a 230V 3 Phase (Δ) output and an integral relay and switch latching management module.

The curtain controller shall be housed in a rolled steel powder coated chassis with a dye-sublimation printed front panel. This front panel shall house Open, Close and Stop pushbuttons and a blue "Ready" indicator illuminated by high brightness LEDs.

A speed control potentiometer shall be provided and accessible via a screwdriver adjustment slot. The range of speed control available from the controller shall be sufficient to permit the motorised drum winch to be used as either a masking or curtain winch, and nominal "Masking" and "Curtain" positions shall be marked on the speed adjustment access slot.

The curtain motor controller shall have terminals to accept a remote Open/Stop/Close station. This remote push button station shall be the Jands HCPB-C.

The curtain motor controller shall comply with the requirements of AS/NZS 3100:2002.

The curtain motor controller shall be the Jands HC01-V.

