

 **24 HR** **NEXT DAY DESPATCH**
 **UK IMPORTER**
100 SERIES COMPATIBLE
IP65 RATED



-  **TYPE** Linear
-  **VOLTAGE** 24V
-  **THRUST** Up to 650N/65 kg
-  **STROKE** 180 or 300mm **OPTIONS**

DO NOT USE FOR SMOKE VENTILATION 

If you do require smoke control products or advice – please call us 

ABOUT THIS ACTUATOR

The UCS Ulysses 24V electric linear actuator with rigid spindle is available in 180mm (150N) and 300mm (650N) stroke options. A minimum external diameter of just 34mm allows fixing in the profile of a window. Particularly suited for louvred window applications.

PRODUCT HIGHLIGHTS

- ✓ Low noise operation
- ✓ High protection degree – IP65
- ✓ Supplied with connector and steel fixing bracket – making front or back fixing possible
- ✓ Stroke reduction kit available on request
- ✓ Available on request a coupling control box for two actuators 24V on the same window
- ✓ CE marked device

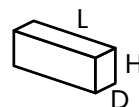
SUITABLE FOR...



COLOUR OPTIONS

-  Anodized Silver
-  Bespoke colours on request

STANDARD ACTUATOR DIMENSIONS



LENGTH: 520mm (180mm stroke)
 640mm (300mm stroke)
HEIGHT: 61mm
DEPTH: 44mm

TECHNICAL DATA >>>

PRODUCT CODES >>>

TECHNICAL DATA

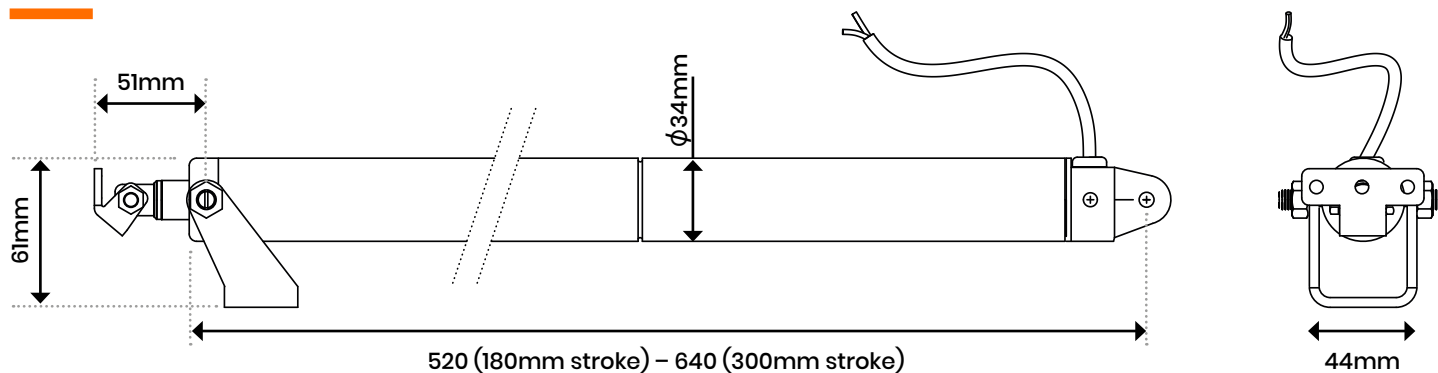
	UCS Ulysses 180mm	UCS Ulysses 300mm
Voltage Supply	24V	24V
Thrust Force	650N/65 kg	650N/65 kg
Traction Force	650N/65 kg	650N/65 kg
Maximum Window Width	1300mm (use an actuator with two pushpoints if wider)	
Absorbed Current	1.0 amps	1.0 amps
Operating Temperature	-10°C to +60°C	-10°C to +60°C
Time Rating	30%	30%
Limit Stop	Electronic	Electronic
Limit Stop	Electronic	Electronic
Wiring	2 Core	2 Core
Speed	~ 6mm/s	~ 6mm/s
Double Insulated	No	No
Protection Class	IP65	IP65
Parallel Connection Option	Yes	Yes
Weight	2 kg	2 kg
Cable Length (standard)	1.5m	1.5m



WHAT'S IN THE BOX?

- ✓ UCS Ulysses Actuator
- ✓ Connecting Bracket Pack
- ✓ Front/End Bracket Pack
- ✓ Fitting Template
- ✓ Installation and User Guide

DIMENSIONS



PRODUCT CODES >>>

BRACKET & ACCESSORY CODES



Front / End Bracket (included)



Upper Bracket (included)



Back Bracket
Available on request



Magnetic Locking Device
Available on request



Ulysses Stroke Reduction Kit
Available on request

ACTUATOR CODES

UCS Ulysses Actuator 24V
180mm ACUC-ULY-024V-SI01
300mm ACUC-ULY-024V-SI02

230V

RELATED PRODUCTS AND SERVICES

24V



VENTEC 100
SERIES CONTROL



PROJECT
COMMISSIONING



INSTALLATION
& MAINTENANCE



230V - 24V
CONVERTOR



24V TF SERIES
CONTROL



WEATHER
STATION

WINDOW OPERATION FORCE CALCULATION

TOP, BOTTOM OR PIVOT HUNG WINDOWS

The formula for calculating the load the actuator has to move for top hung, bottom hung and pivot windows is the following:

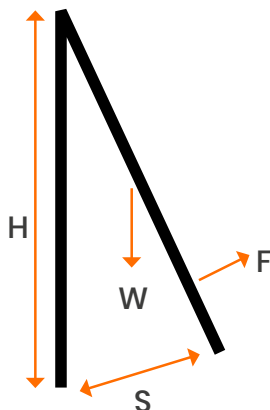
$$F = \frac{W}{2} \times \frac{S}{H} \times 10$$

F = Force required (N)

W = Weight of the window (kg)

S = Opening stroke (mm)

H = Height of the window (mm)



EXAMPLE: 60 kg Weight / 1000mm Height / 500mm Stroke

$$F = 60/2 \times 500/1000 \times 10$$

$$F = 30 \times 0.5 \times 10$$

$$F = 150 \text{ newtons}$$

IMPORTANT: For installation on a pivoting window the given height is to be considered H/2.

IMPORTANT: The indicated loads do not include the force exerted by wind or other extreme weather conditions. If the actuator is to be installed in areas that may be subject to these conditions, contact our technical department to discuss your requirements.

The actuator rotation angle is usually half the height of the opening angle of the window. Check that there are no obstacles to the rotation of the actuator in order to prevent damage to it.

For actuators with non pivoting brackets, the height of the window must not be below a certain height (see individual product details) in order to prevent excessive chain bending. Please contact our sales support team for more details.

If the window width is greater than 1.5m we suggest using an actuator with two thrust points.

DOMES AND SKYLIGHTS

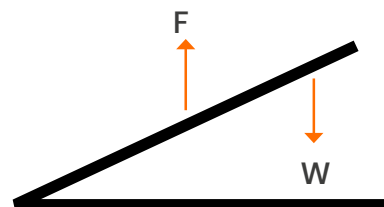
IMPORTANT: When calculating the required force for domes and skylights, Snow Load must be added to the weight of the window leaf (W).

The formula for calculating the load the actuator has to move for domes and skylights is the following:

$$F = \frac{W}{2} \times 10$$

F = Force required (N)

W = Weight of the window (kg)



EXAMPLE: 110 kg Weight / 1000mm Height / 500mm Stroke

$$F = 110/2 \times 10$$

$$F = 55 \times 10$$

$$F = 550 \text{ newtons}$$

SKYLIGHTS: The opening can be hung on one side or have a central axis of rotation. In the latter case, you have to consider the distance between the axis of rotation and the point of application of the actuator as the frame height. A Velux type of opening on a horizontal roof or roof sloping up to 30° horizontally weighs 50% on the hinges and 50% on the actuator. In the case of centre rotation, the weight is practically nothing and is determined only by the windows frictions.

If the window width is greater than 1.5m we suggest using an actuator with two thrust points.



IMPORTANT: If the window frame is accessible, or installed at a height of less than 2.5m from the ground, an emergency stop system must be fitted to prevent the crushing or entrapment of clothing or body parts inserted between the moving and fixed elements of the window frame.