

WindowMaster Actuator & Small Scale Controls Range



Extra Small chains →

Small chains →

Medium chains →

Large chains →

Locking / Espagnolette →

Controllers →

Find the right actuator

Our online tool for quick and easy free area calculations and actuator suggestions. You can also download product data and specification documents through this tool

Required fields for basic search:

- Vent placement
- Opening orientation
- Dimensions and weight or glass thickness
- Choice of free area calculation

Advanced settings:

- Mounting conditions (i.e. profile dimensions)
- Opening requirements based on: chain stroke, opening angle or geometric free area
- Other requirements, including forcing/checking a specific actuator type

Instant Results:

- Quick suggestion of actuator and free area achieved

Summary document for instant download including:

- Inputted information, window calculations and actuator suggestion
- Links to downloads of tech drawings, BIM objects, product sheet etc

If you would like to confirm your findings or get a quote, please don't hesitate to contact us:

E-mail info.us@windowmaster.com


Phone +1 650 360 5414


Choose the units you want to calculate with to get started

Metric

Imperial

Window placement






FacadeRoof


Window type


Outward openings

Inward openings





Top-hung
(Not top-projected)






Side-hung






Bottom-hung



Dimensions and weight



Casement width ?

1400 mm

Casement height ?

1000 mm


Glass thickness ?


16 mm

Casement Weight (approx.)

56 kg

Ventilation area ?





Hide advanced settings

Mounting conditions



a ?

70 mm

b ?

93 mm

c ?

119 mm

Opening requirements

Based on chain stroke

▼

Chain stroke

100 mm

Max. possible stroke

1,100 mm

Other requirements

Mounting of actuator ?

Surface mov

Fire test demand ?

None

Number of actuators ?

Calculated















Forces actuator ?

Calculated

Find Actuator

Find the tool on our website → www.windowmaster.com

Our range of Actuators













					
Features	WMX 813	WMX 814	WMX 803	WMX 804	WMX 823
Description	Extra Small chain		Small chain		
Fitment	Concealed	Surface	Concealed	Surface	Concealed
Color*	 Black	 Natural anodized EV1  Black anodized EV6  RAL 8019	 RAL 9006	 RAL 9005  RAL 9010  RAL 9006	 RAL 9006
Chain stroke	1 15/16" – 3' 3 3/8"		1 15/16" – 9 13/16"		1 15/16" – 1' 7 11/16"
Pressure force (Depending on chain stroke)	Max. 150 N				Max. 200 N
Tractive force	250 N		200 N		
Locking force	2000 N		3000 N		
Size (Width: depending on chain stroke)	W: 1' 11 5/8" / 1' 7 5/8" / 2' 3 1/2" / 2' 7 7/16" H: 55/64" D: 1 19/64"	W: 1' 10 3/16" / 1' 10 3/16" / 2' 2 1/8" / 2' 6 1/16" H: 63/64" D: 2 29/32"	W: 1' 1 7/16" H: 1 1/8" D: 1 5/8"	W: 1' 1 1/16" H: 1 1/8" D: 1 5/8"	W: 1' 8 3/8" H: 1 1/4" D: 1 5/8"
Cable**	16' 4 7/8"	16' 4 7/8"	3 15/16"	6 51/64"	3 15/16"
Voltage	24V DC				
Current	1 A				
MotorLink® enabled	Yes				
To be ordered seperately	Brackets and standard extension cables type WLL.	Brackets and standard extension cables type WLL.	Brackets and standard extension cables type WLL.	Brackets and standard extension cables type WLL.	Brackets and standard extension cables type WLL.
UL certified	Yes	Yes	Yes	Yes	Yes

* Additional RAL colors available on request

** Extension cable can be delivered, should the supplied tail length not be sufficient

All dimensions are originally in metric units and converted into imperial units.




Our range of Actuators

					
Features	WMX 826	WMU 836	WMU 831+851+852	WMU 842+86x+88x	WMB 811+812
Description	Small chain	Medium chain		Large chain	Locking / Espagnolette
Fitment	Surface				
Color*	 RAL 9010  RAL 9006	 Natural anodized EV1	 RAL 9006  RAL 8019	 Natural anodized EV1	 RAL 9006
Chain stroke	1 15/16" – 1' 7 11/16"	1' 3 3/4", 1' 11 5/8", 2' 7 1/2" and 3' 3 3/8"	1' 3 3/4", 1' 7 11/16" and 1' 11 5/8"	11 13/16", 1' 7 11/16", 1' 11 5/8", 2' 5 1/2" and 3' 3 3/8"	11/16"
Pressure force (Depending on chain stroke)	Max. 200 N	Max. 300 N	Max. 300 / 500 N	Max. 400 / 600 / 800 N	500 N
Tractive force	200 N	300 N		500 N	
Locking force	3000 N				2000 N
Size (Width: depending on chain stroke)	W: 1' 7 3/16" H: 1 1/4" D: 1 5/8"	W: 1' 10 3/8" / 2' 2 5/16" / 2' 6 1/4" / 2' 10 3/16" H: 1 5/16" D: 1 7/8"	W: 1' 11 13/16" H: 1 5/8" D: 2 1/4"	W: 1' 9 7/16" / 2' 1 3/8" / 2' 2 15/16" / 2' 6 1/8" / 2' 10 13/16" H: 2 1/8" D: 3 1/8"	W: 11 1/4" H: 1 3/16" D: 1 5/8"
Cable**	6' 2 13/16"	16' 4 7/8"		9' 10 1/8"	3 15/16"
Voltage	24 VDC				
Current	1 A		1 / 2 A	1-5 A	1 A
MotorLink® enabled	Yes				
To be ordered seperately	Brackets and standard extension cables type WLL	Actuator bracket and chain bracket	Actuator bracket, motor bracket and chain bracket	Brackets	Standard extension cables type WLL
UL certified	Yes	Yes	Yes	Yes	Yes

* Additional RAL colors available on request

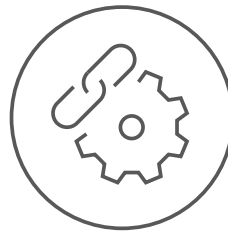
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All dimensions are originally in metric units and converted into imperial units.

Our range of Controllers

Features			
	WCC 106	WCC 310 / 320 Standard	WCC 310 / 320 Plus
Description	MotorController with hard wired connection to actuator/s.		MotorController with e.g. field bus communication
Color	<input type="checkbox"/> RAL 9016	<input type="checkbox"/> RAL 9010	
Output current	6 A	10–20 A	
Ventilation type	Comfort ventilation		
Switch connection	Hard wired		
Ventilation zones	2	4 – 8	2–10
Motor lines	2	4 – 8	2–10
MotorLink® functionality	Yes		
Size	W: 8 7/16" H: 8 1/8" D: 1 7/16"	W: 1' 2" H: 1' 5/8" D: 3"	
Voltage	100–240 VAC 0.85 A 50/60 Hz	120V AC, 60Hz (85–264V AC, 47–63Hz)	
Configuration	DIP switches	–	Touch screen
To be ordered separately	–	–	–
UL certified	Yes	Yes	Yes

Intelligent control of windows with MotorLink®

MotorLink® is a communication technology that enables 2-way control and feedback between window actuators and the Building Management System.



Top 5 benefits



Whisper quiet operation

Get nearly soundless window actuator operation with MotorLink® enabled TrueSpeed™



Accurate control and feedback

Run actuators with precise speed and to a specific degree of opening, plus get real-time feedback of openings and faults to the BMS



Synchronized, dynamic facades

Movement and control across multiple actuators is smooth when opening and closing for the highest level of facade aesthetics



Easier installation

Because MotorLink® MotorControllers manage the communication from the window actuators to BMS, there is less cabling directly to BMS



Safe operation

When in close mode, window actuators can detect obstacles preventing operation and then reverse to release the object





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WindowMaster aspires to protect people and the environment by creating a healthy and safe indoor climate, automatically ventilating spaces with fresh air through facade and roof windows in buildings. We offer the construction industry foresighted, flexible and intelligent window actuators and control systems for natural ventilation, mixed mode ventilation, and smoke ventilation – of the highest quality.

WindowMaster employs highly experienced cleantech specialists in Denmark, Norway, Germany, United Kingdom, Ireland, Switzerland, and the United States of America. In addition, we work with a vast network of certified partners. With our extensive expertise built up since 1990, WindowMaster is ready to help the construction industry meet its green obligations and achieve their architectural and technical ambitions.

windowmaster.com