

# WindowMaster Actuator & Small Scale Controls Range

Small chains →

Medium chains →

Large chains →

Spindles →

Louvre →

Locking / Espagnolette →

Door actuators →

Controllers →





# Actuator Finder

Our online tool for quick and easy free area calculations and actuator suggestions. Find it on our home page [windowmaster.com](http://windowmaster.com)

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

Window placement





Facade    Roof


Window orientation


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

13 mm

Casement Weight (approx.)

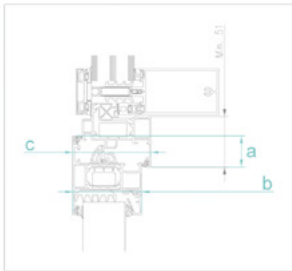
45.5 kg

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

1,000 mm

Other requirements

Mounting of actuator

Surface mc

Fire test demand

None

Number of actuators

Calculated

Forced actuator

Calculated






Find Actuator

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

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# Actuators

					
Features	WMX 803	WMX 804	WMX 813	WMX 814	WMX 823
Description	Small chain				
Fitment	Concealed	Surface	Concealed	Surface	Concealed
Colour*	■ RAL 9006	■ RAL 9005 □ RAL 9010 ■ RAL 9006	■ Black	□ RAL 9010 ■ Natural anodized EV1 ■ Black anodized EV6	■ RAL 9006
Chain stroke	50–250 mm	50–250 mm	50–1000 mm	50–1000 mm	50–500 mm
Pressure force (Depending on chain stroke)	Max. 150 N	Max. 150 N	Max. 150 N	Max. 150 N	Max. 200 N
Tractive force	200 N	200 N	250 N	250 N	200 N
Locking force	3000 N	3000 N	2000 N	2000 N	3000 N
Size (Width: depending on chain stroke)	W: 342 mm H: 30 mm D: 42 mm	W: 332 mm H: 29 mm D: 42 mm	W: 499 / 599 / 699 / 799 mm H: 22 mm D: 33 mm	W: 563 / 663 / 763 / 863 mm H: 25 mm D: 37 mm	W: 517 mm H: 30.5 mm D: 42 mm
Voltage	24 VDC				
Current	1 A				
MotorLink® enabled	Yes				

					
Features	WMX 826	WMU 836	WMU 831+851+852	WMU 842+86x+88x	WMU 895
Description	Small chain	Medium chain		Large chain	
Fitment	Surface				
Colour*	<div><div></div> RAL 9010</div> <div><div></div> RAL 9006</div>	<div><div></div> Natural anodized EV1</div>	<div><div></div> RAL 9006</div>	<div><div></div> Natural anodized EV1</div>	<div><div></div> Natural anodized EV1</div>
Chain stroke	50–500 mm	400, 600, 800 and 1000 mm	400, 500 and 600 mm	300, 500, 600, 750 and 1000 mm	600, 750 and 1000 mm
Pressure force (Depending on chain stroke)	Max. 200 N	Max. 300 N	Max. 300 / 500 N	Max. 400 / 600 / 800 N	Max. 1000 N
Tractive force	200 N	300 N	300 N	500 N	500 N
Locking force	3000 N	3000 N	3000 N	3000 N	3000 N
Size (Width: depending on chain stroke)	W: 487 mm H: 30.5 mm D: 42 mm	W: 568 / 668 / 768 / 868 mm H: 34 mm D: 47 mm	W: 605 mm H: 42 mm D: 57 mm	W: 545 / 645 / 685 / 765 / 885 mm H: 54 mm D: 80 mm	W: 775 / 855 / 975 mm H: 54 mm D: 80 mm
Voltage	24 VDC				
Current	1 A	1 A	1 / 2 A	1–5 A	5 A
MotorLink® enabled	Yes				

\* Additional RAL colours available on request






# Actuators

					
Features	WMU 952	WMU 982	WMS 306+309+409	WML 860	WMB 801+802
Description	Large chain		Spindle	Lourve	Locking / Espagnolette
Fitment	Surface				Concealed
Colour*	 Natural anodized EV1	 Natural anodized EV1	 Natural anodized EV1	 RAL 9006	 RAL 7004
Chain stroke	400 mm	500 and 600 mm	300, 500, 750 and 1000 mm	10–80 mm	36 mm
Pressure force	500 N	800 N	600 / 900 N	600 N	750 N
Tractive force	300 N	500 N	600 N	600 N	750 N
Locking force	2000 N	3000 N	2800, 2850 or 3000 N	2000 N	–
Size (Width: depending on chain stroke)	W: 623 mm H: 42 mm D: 57 mm	W: 813 / 853 mm H: 54 mm D: 80 mm	ø36 mm	W: 385 mm H: 30.5 mm D: 42 mm	W: 277 mm H: 45 mm D: 42 mm
Voltage	230 VAC		24 VDC		
Current	0.45 A	0.45 A	1 or 1.8 A	1 A	1 A
MotorLink® enabled	No		Yes (only –n versions)	Yes	No

				
Features	WMB 811+812	WMB 815+816	WMB 817+818	WMD 820
Description	Locking / Espagnolette			Door actuator
Fitment	Surface	Concealed	Surface	Surface
Colour*	 RAL 9006	 RAL 9005	 Natural anodized EV1  Black anodized EV6	 Natural anodized EV1
Chain stroke	18 mm	18 mm	18 mm	90° / 98°
Pressure force	500 N	300 N	300 N	Max. 300 N
Tractive force	500 N	300 N	300 N	Max. 250 N
Locking force	2000 N	2000 N	2000 N	2000 N
Size	W: 285 mm H: 30 mm D: 42 mm	W: 285 mm H: 22 mm D: 33 mm	W: 285 mm H: 25 mm D: 37 mm	W: 668 mm H: 34 mm D: 76 mm
Voltage	24 VDC			
Current	1 A			
MotorLink® enabled	Yes			

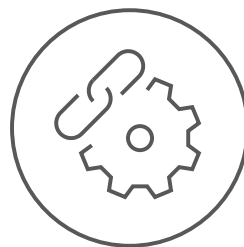
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# Controllers

Features					
	WCC 103	WCC 103BT	WCC 106BT	WCC 310 / 320 Standard	WCC 310 / 320 Plus
Description	MotorController with hard wired connection to actuator/s	MotorController with bluetooth remote control for wireless actuator operation	MotorController with bluetooth remote control for wireless actuator operation	MotorController with hard wired connection to actuator/s	MotorController with e.g. field bus communication
Colour	<input type="checkbox"/> RAL 9016	<input type="checkbox"/> RAL 9016	<input type="checkbox"/> RAL 9016	<input type="checkbox"/> RAL 9010	<input type="checkbox"/> RAL 9010
Output current	3 A	3 A	6 A	10–20 A	10–20 A
Controlling	Comfort ventilation				
Remote control	No	Yes	Yes	No	No
Switch connection	Hard wired	Bluetooth and Hard wired	Bluetooth and Hard wired	Hard wired	Hard wired
Ventilation zones	1	1	2	4 – 8	2–10
Motor lines	1	1	2	4 – 8	2–10
MotorLink® functionality	No	No	Yes	Yes	Yes
Size	W: 215 mm H: 206 mm D: 37 mm			W: 355 mm H: 320 mm D: 76 mm	
Voltage	100–240 VAC 0.85 A 50/60 Hz			230 VAC, 50 Hz (85–264 VAC, 47–63 Hz)	

# 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](https://windowmaster.com)