

## Instructions

### Chain drive series HCV

Type: HCVA (230VAC)



## Safety Notes



- **Operating voltage 230VAC!**
- Connection must be carried out by authorized electricians.
- It's necessary to ensure that people keep away from the operation area of the drives. Danger of violent pressure in accessible area!
- Use only in dry rooms.

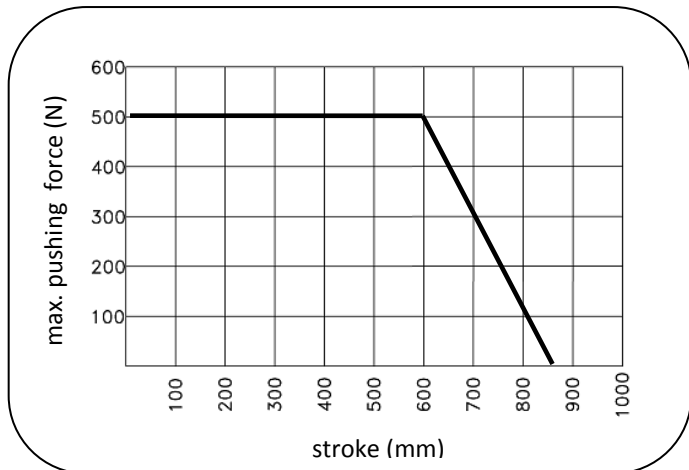
## Application area

- For opening and closing of facade and roof windows
- Suitable for natural ventilation

## Stroke-pushing force diagram



- **Maximum pushing force of chain is dependent on stroke and does not correspond to the maximum pushing force of drive!**



## Features

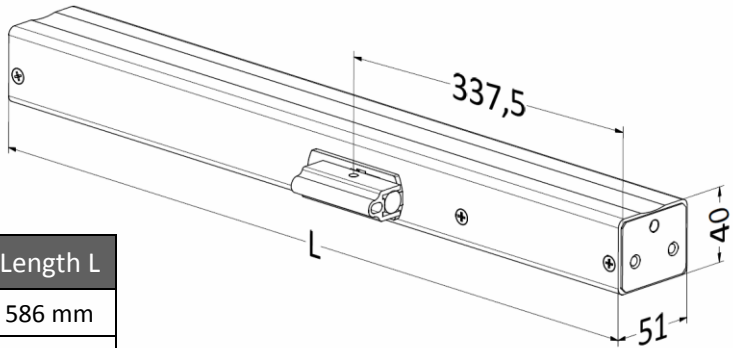
- Microprocessor controlled BUS-synchronization.
- Max. 4 drives can be connected with each other.
- Push/Pull-Force, Opening/Closing-Speed and Stroke length free programmable.
- Electronic overload protection.
- Reduced speed and force during the last 50 mm of closing (“Soft-close”).
- Anodized aluminium housing.
- Drive is supplied with 2.5 m silicone cable.
- Different types of brackets available, depends on type of windows and kind of mounting.
- Tested according to EN 12101-2, EN 50130-4.

## Technical data

Type	Voltage/ Current	Push- force	Pull- force	Stroke length	Speed Natural
HCVA 500/350	230VAC/25W	500N	500N	350 mm	7mm/s
HCVA 500/600	230VAC/30W	500N	500N	600 mm	7mm/s
HCVA 500/800	230VAC/30W	500N	500N	800 mm	10mm/s
HCVA 500/1000	230VAC/30W	500N	500N	1000 mm	10mm/s

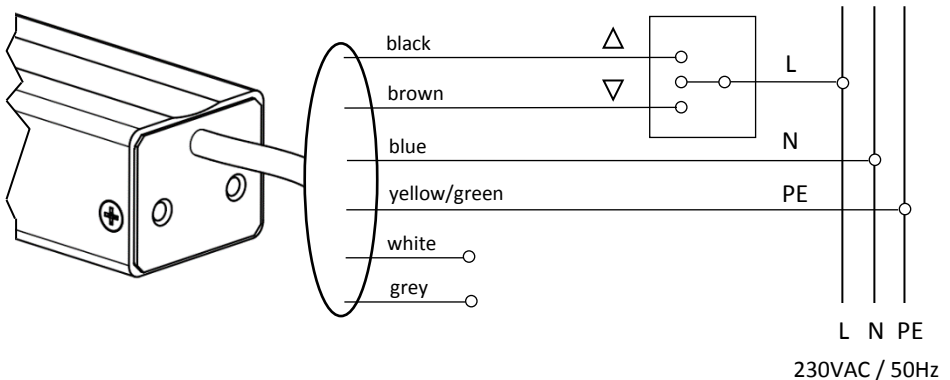
- Voltage: 190-250 VAC / 50 Hz
- Consumption: 0,5 A/230 VAC
- Start Power cold start: 40 A/230 VAC
- Leakage current: <0,75mA / 240 VAC
- Speed open/close: 7 mm/s
- Soft close speed: 5 mm/s
- Soft close distance: 50 mm
- Soft close force: 200 N
- Protective class: IP32
- Temperature range: -5°C ~ +55°C
- Locking force: 2000 N
- Lifecycle: >11000 double strokes
- Duty cycle: 30% at 10 min. running time

## Dimensions for type **HCVA**



Stroke	Length L
350 mm	586 mm
600 mm	711 mm
800 mm	811 mm
1000 mm	916 mm

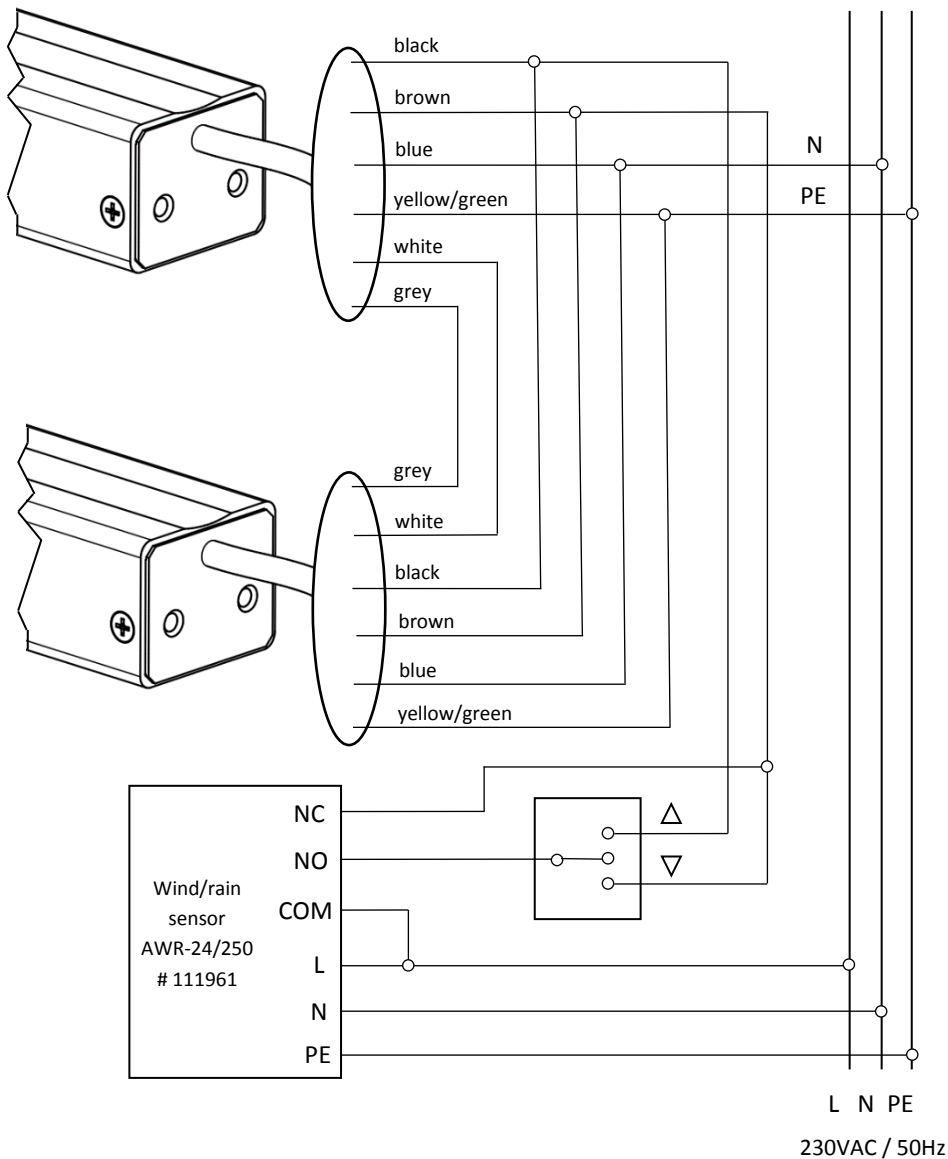
## Connection for type **HCVA** in single mode



**Caution: The white and grey core are only for changing parameters. Parameter change can only be made by an authorized service and sales partner by Actulux.**

**Do not connect the white and grey wire to 230V!**

Connection for type **HCVA** in synchro mode and Wind-/rain sensor



**Caution: The white and grey core are only for changing parameters or for BUS communication in synchro mode. Parameter change can only be made by an authorized service and sales partner by Actulux.**

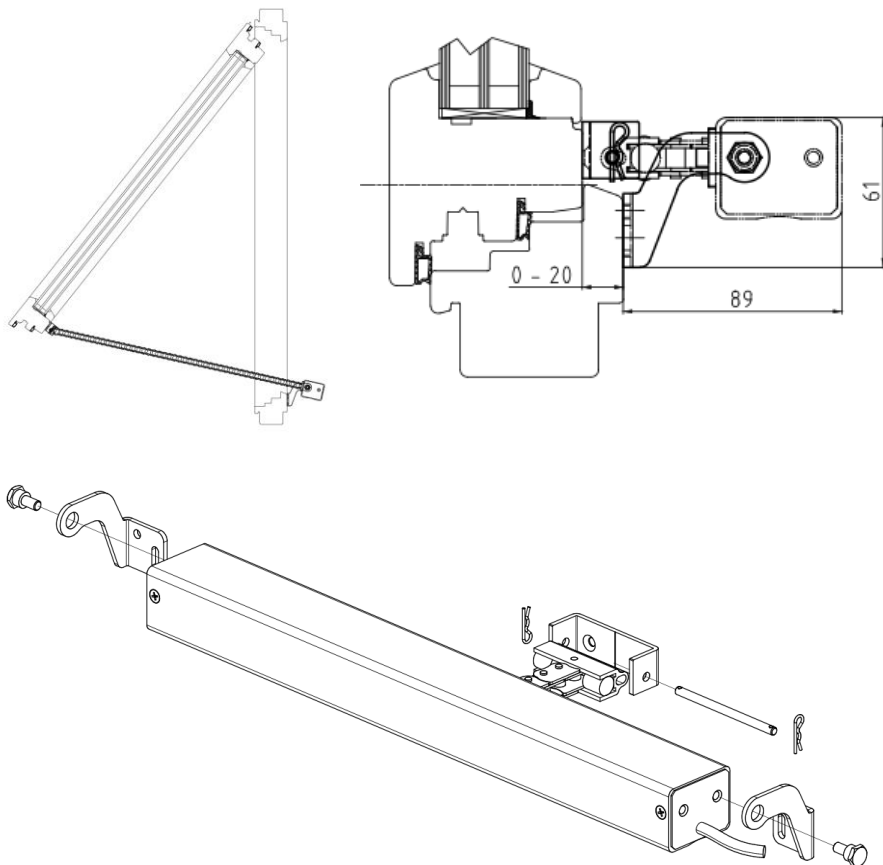
**Do not connect the white and grey wire to 230V!**

## Mounting instructions

Application	Bracket Set	Order No.
Outwards opening window, top hung	HMB-HCV-01	390000
Inwards opening window, bottom and side hung	HMB-HCV-02	390120
Skylight	HMB-HCV-03	390130

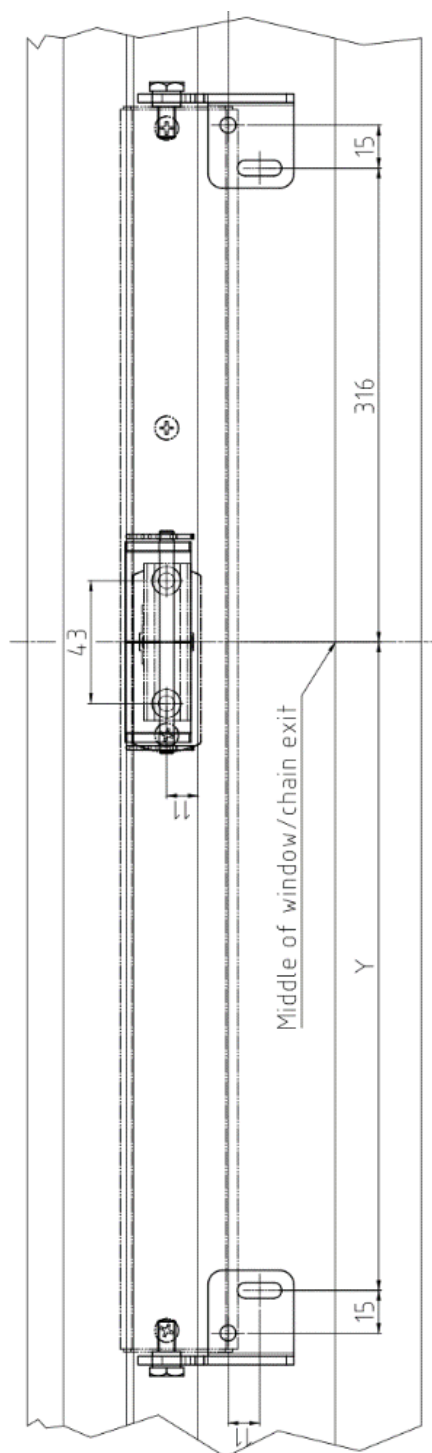
**Please be aware, that in all bracket sets are no screws included. Choose proper screws according to frame material!**

### HMB-HCV-01

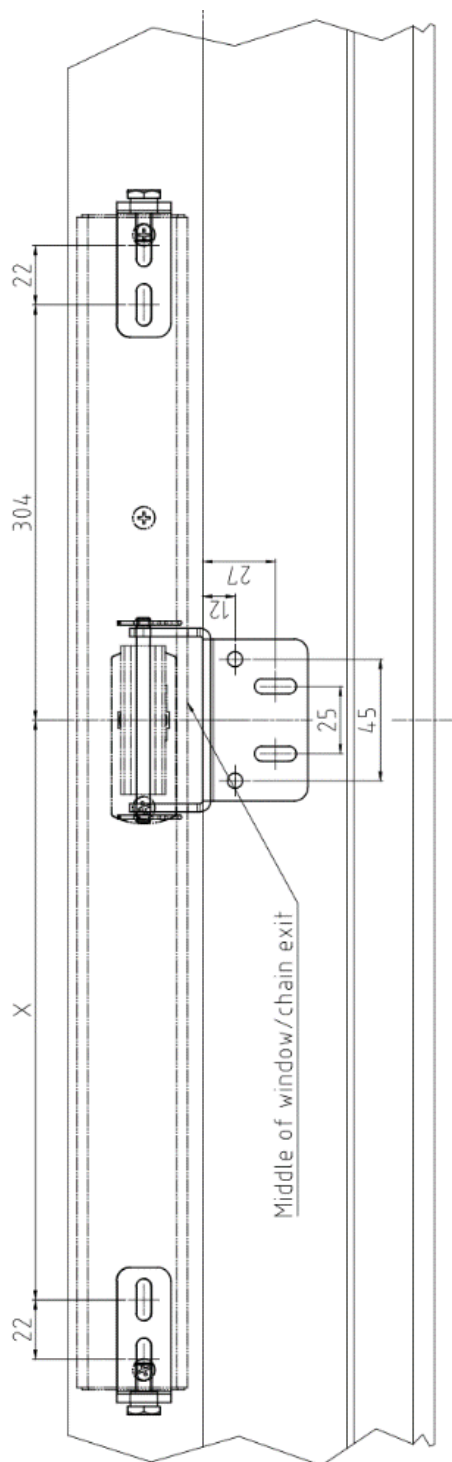


Stroke	Y
350 mm	227 mm
600 mm	352 mm

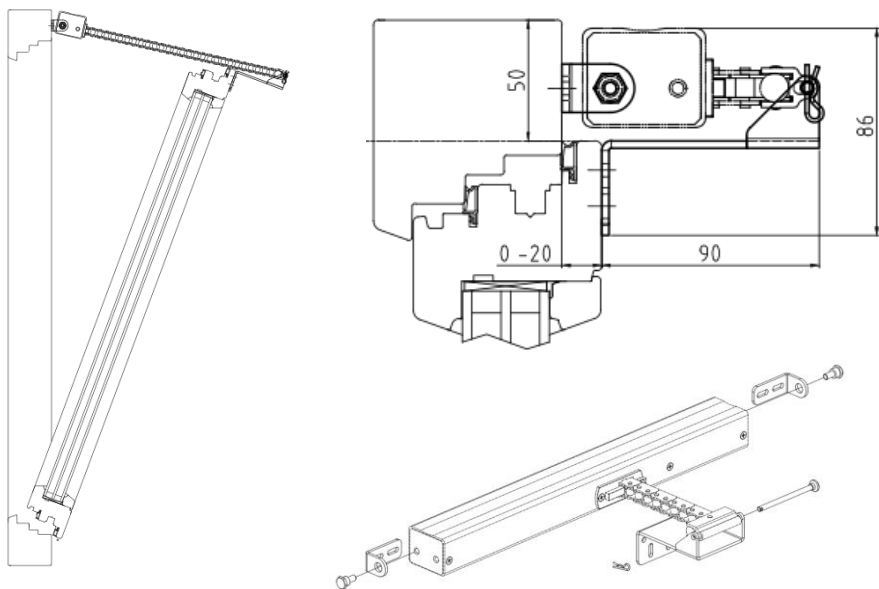
The maximum stroke length for this application is 600 mm.



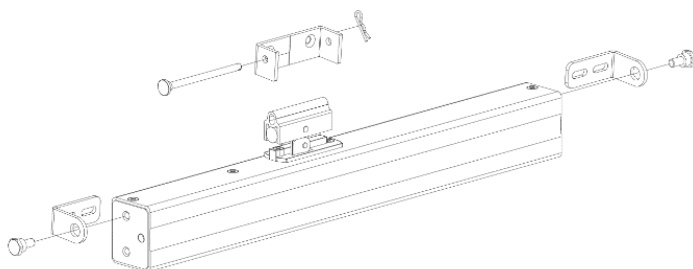
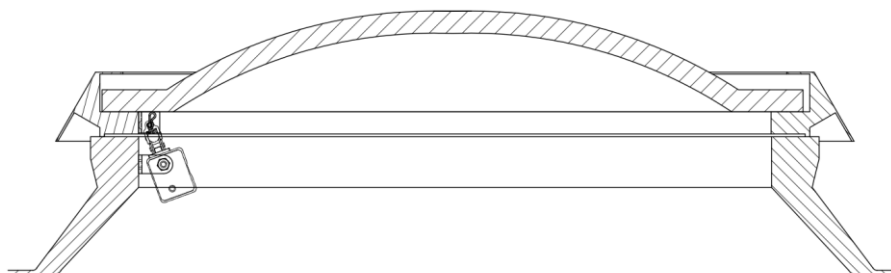
Stroke	X
350 mm	215 mm
600 mm	340 mm
800 mm	440 mm
1000 mm	545 mm

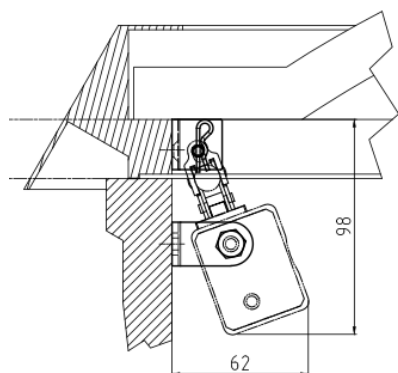






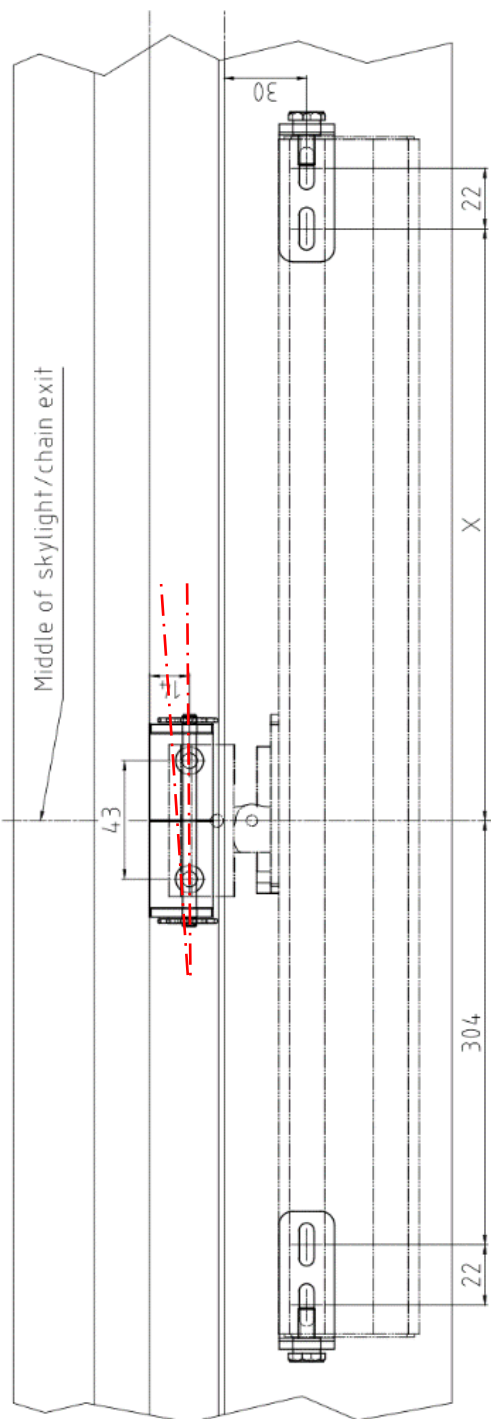
HMB-HCM-03 for skylights





Stroke	X
350 mm	215 mm
600 mm	340 mm

**Attention: The top bracket has to be mounted straight or tilted to the left side, to keep tension at the back of the chain.  
The maximum stroke length for this application is 600 mm.**

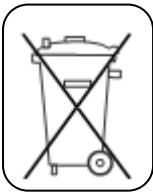




## Warranty

The warranty period is 2 years for all Actulux products from the date of verified handing over the system up to maximal 5 years after the date of delivery if the installation and implementation is performed by an authorized service and sales partner by Actulux.

## Disposal



Electrical equipment, accessories and packaging should be recycled for environment protection!

Don't dispose electrical equipment into household waste!

Only for EU-Countries: According to the European guideline 2002/96/EG about waste electrical and electronic equipment and its implementation into national law, useless electrical and electronic equipment must be separately collected and recycled for environment protection.

## Contact

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