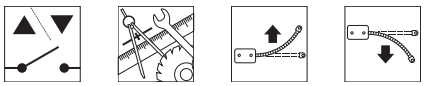
KA 54-K

Performance features

- Can be used for openings for smoke exhaust; D+H Euro SHEV in accordance with EN 12101-2; and for daily ventilation
- With motor electronics controlled via microprocessor
- Direct control via 230 V AC
- Special chain stabilisation
- Relief of pressure on window gasket after closing process
- Pressure applications up to 600 mm, application tension stroke lengths >1000 mm possible
- Easy window control via 230 V AC ventilation button
- Adjustable electronic closing force optimisation
- Running speed in CLOSED direction decreases to 5 mm/s (passive closing edge protection)
- Time-controlled reversing when an obstacle is detected in the CLOSED direction (active closing edge protection)

Potential drive options



You can find the explanations for the icons on the last page

We reserve the right to make changes.
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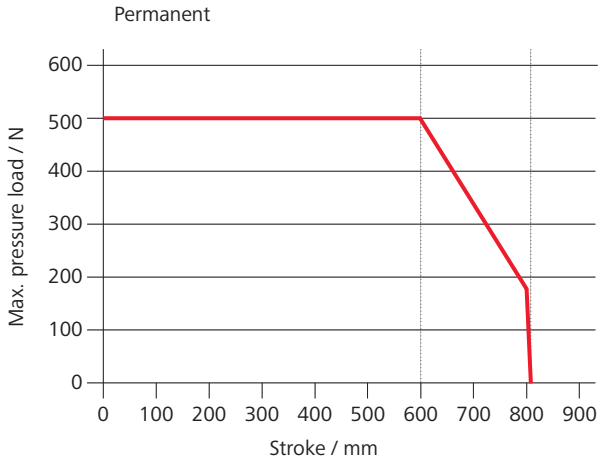
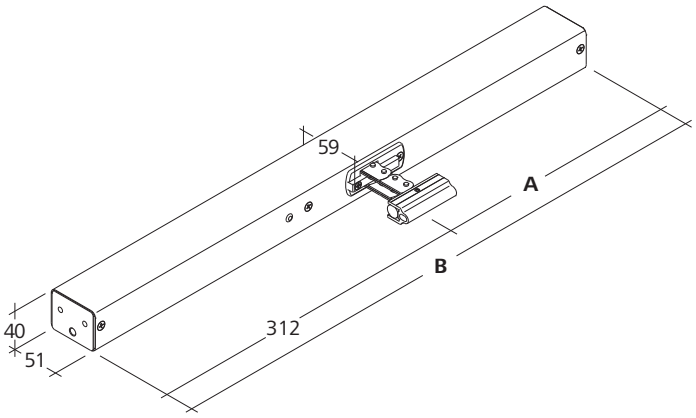
Pressure load diagram



Dimensions

All specifications in mm



Technical data

Supply	230 V AC / +10 % ... -15 % / 50 Hz
Performance	32 W / 52 VA
Duty cycle	30 %
Force of pressure	500 N
Tensile force	500 N
Nominal locking force	2000 N
Service life	20000 double strokes *
OPEN running speed	13.3 mm/s
CLOSED running speed	11.8 mm/s
Type of protection	IP 32
Emission sound pressure level	LpA ≤ 70 dB(A)
Temperature range	-5 °C ... +75 °C
Housing	Aluminium
Surface	Powder-coated
Colour	White aluminium (~ RAL 9006)
Connection	2.5 m silicone cable

* For vertical use, please consult with D+H Sales!

Approvals / Certificates

Find out about permission details from your D+H Partner

ZERTIFIZIERT
EN 12101-2
CE
CERTIFIED

Design

Type	Art. No.	Stroke	Dimension A	Dimension B	Weight	Remark
KA 54/350-K	26.002.05	350 mm	248 mm	560 mm	1.80 kg	
KA 54/500-K	26.002.10	500 mm	323 mm	635 mm	2.10 kg	
KA 54/600-K	26.002.15	600 mm	373 mm	685 mm	2.40 kg	
KA 54/700-K	26.002.20	700 mm	423 mm	735 mm	2.60 kg	Observe pressure load diagram!
KA 54/800-K	26.002.25	800 mm	473 mm	785 mm	2.80 kg	Observe pressure load diagram!
KA 54/1000-K	26.002.30	1000 mm	577 mm	889 mm	3.20 kg	Observe pressure load diagram!
KA-K	26.005.00					Variable equipment possible

Brackets are not included and have to be ordered separately.

HS “High-Speed”

In the case of SHEV, the high-speed function is used for reliably reaching the defined end position in 60 s. In daily ventilation mode, the drive runs quietly and quickly, as usual.

Function programming

Option for customised configuring of drive parameters (e.g. stroke) via software and associated service tools for drives equipped with PLP, BSY or BSY+ electronics.

BRV signal

Acknowledgement from the drive, via a control cable, to confirm that it has been completely extended or retracted. When used with the AT 41 and ERM 44 modules, this signal is sent to the central building control system, the modules themselves, or to the lock drive. The BRV signal is not isolated.

ACB (Advanced Communication Bus)

Enables direct bus communication between the controller and the drive for, for example, control with perfect positioning or drive feedback. Communication is via the open source Modbus protocol, and it enables the drive to be combined with an ACB-capable control panel or enables it to be directly connected to higher-level controllers such as a building management system.

BSY+ (synchronisation of drives)

In addition to providing the same synchronisation function as BSY, BSY+ enables different components in the window to communicate with each other. For example, the chain drives, during synchronous operation, or the window and lock drives (e.g. FRA 11 BSY+ or VLD-BSY+).

SGI signal (position reporting)

In combination with the D+H servo plug-in unit SE 622, the drives can be controlled with perfect positioning.

SKS (closing edge protection)

Drive option, which enables an anti-trap strip or presence detector to be connected directly to the drive (terminal resistor 5.6 kΩ).

Audible signal (corresponding to protection class)

AS2 corresponding to “Protection class 2” in accordance with ZVEI risk assessment through an audible warning signal in the “CLOSED” running direction. AS3 corresponding to “Protection class 3” in accordance with ZVEI risk assessment, in addition to AS2, stops the drive for 11 s with a remaining stroke of 28 mm.

End position message (OPEN / CLOSED)

Drive feedback via an integrated isolated switching contact. This happens if the chain / rack and pinion has moved completely out or in.

Mechanical adjustment

Drive option for adjusting the overall length or design (e.g.: centred chain outlet).

SBD side bow chain

Drive chain with rigid backing, bends in the direction of the hinge. Drive is fixed in place (not rotatable).

SBU side bow chain

Drive chain with rigid backing, bends in the direction of the hinge. Drive is fixed in place (not rotatable).