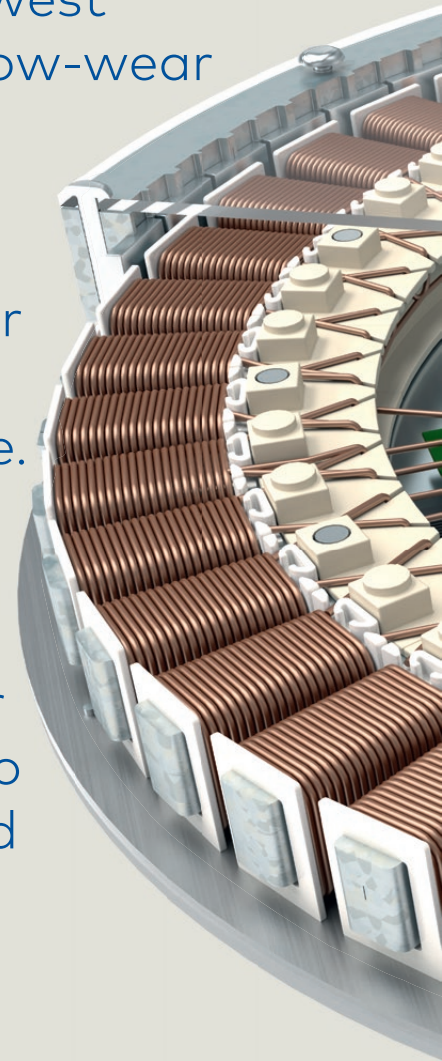


KT FLEX Direct retrofit kit

Retrofit kit for KTV
revolving doors

KT FLEX Direct – Retrofit kit for revolving doors

Retrofit your revolving doors with the newest generation of drives. The low-noise and low-wear direct drive ensures smooth movement. In addition, you benefit from increased positioning precision, which improves the climatic separation of indoor and outdoor area, which further reduces drafts and thus promotes a consistent indoor climate. Whether a manual door with practical speed limitation or an automatic door with high comfort of use, all operation modes and parameters of the stock door can be individually and flexibly adapted to meet your needs using the retrofit kit and corresponding function modules.



Conventional drive equipment is subject to aging

Classic drive systems with gear transmissions or drive belts and chains experience wear over time as a result of the high stress of everyday use. This gives rise to disturbing operating noise and increasingly uneven driving performance. The result: The acceleration and deceleration of the door wings becomes imprecise - in case of failure, it might become impossible to continue to use the revolving door manually, or only possible with a high degree of effort. The drive must be replaced or repaired.

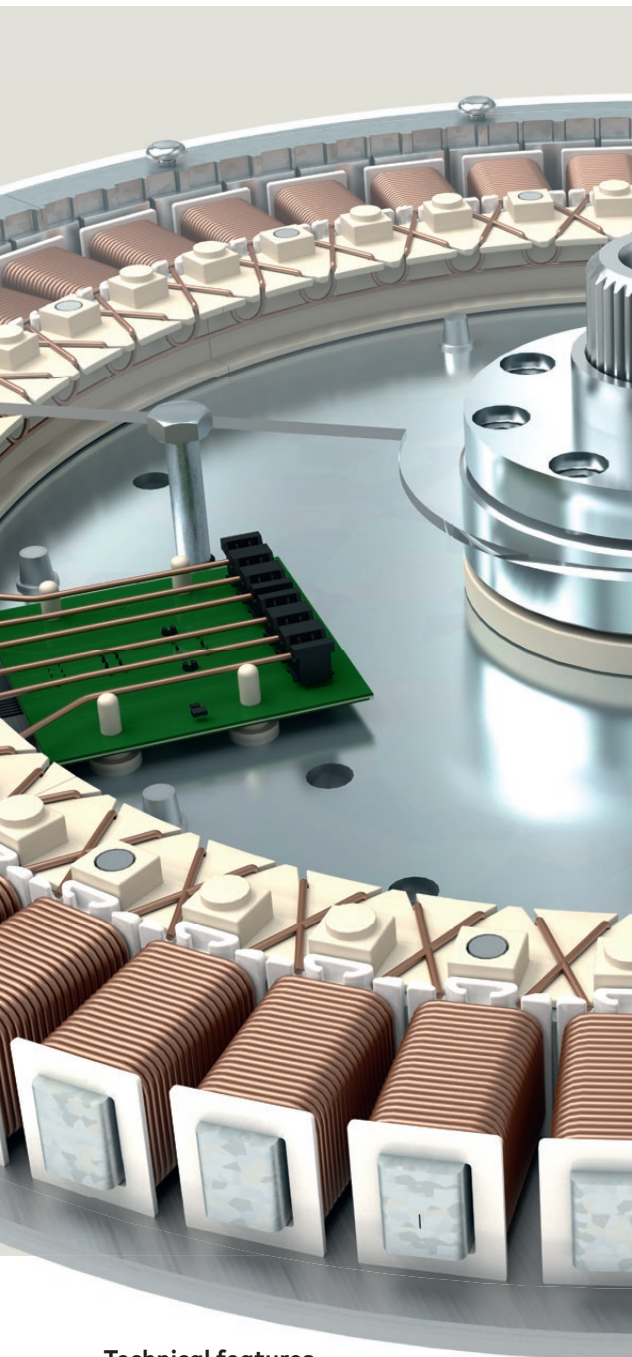
KT FLEX Direct – Low-wear direct drive

The electromagnetic drive system is the newest generation of drives for revolving doors. The direct drive principle minimizes tolerances and wear, and the door wings can be moved and positioned very accurately. The gearless power transmission is based on magnetic technology – already proven tens of thousands of times in dormakaba sliding door drives.

Easy replacement – Direct retrofitting with KT FLEX

KT FLEX Direct is available as a retrofit kit for many KTV 3 and KTV 4 revolving doors. The adjacent table lists the components that will make it possible for you to put together a solution for your individual type of equipment.

If you are planning on retrofitting your equipment by installing the drive system, e.g. by changing the type of drive from KTV P to KTV S, please speak with the appropriate dormakaba service representative. The service representative can advise you on an individual basis as to whether it is possible to upgrade your equipment as desired.



Technical features

- Gearless electromagnetic direct drive
- Even driving performance
- High degree of positioning precision
- Flat installation height of approximately 5 cm
- Highly simplified wiring and installation of the drive components
- Adjustable speed limiter
 - for manual equipment
 - standard even in low-energy drives
- Automated positioning system (low-energy)
- Servomatic (low-energy)
- Automatic
- Intelligent, self-learning control system
- Adjustable holding force for the turnstile when in the resting position

Bundling the required components

A KT FLEX Direct retrofit kit is always required in order to retrofit existing equipment.* Depending on the drive type and features, additional function modules or modification kits may also be required.

<p>KT FLEX Direct retrofit kit The retrofit kit is the basis of any retrofit. The basic version of the kit is suitable for doors that are operated manually and that feature a built-in speed limiter. The kit includes the drive system, controller and power supply unit, as well as the cable and mounting materials needed to make the modification.</p>	<p>KT FLEX Direct retrofit kit Order no. 60450001</p>
<p>Type of drive on existing KTV 3 or KTV 4 revolving door</p>	<p>Additionally needed KT FLEX Direct function module</p>
<p>M – Manual operation The door is to be operated manually. A speed limiter prevents the door from rotating too quickly beyond an adjustable speed.</p>	<p>No additional function module is needed.</p>
<p>P – Automated positioning system (low-energy) Operation mode 1: The door is to be operated manually and automatically rotates to its starting position after each use. Operation mode 2: The door permanently rotates at a reduced speed and acceleration to walking speed is achieved manually.</p>	<p>Function module "P" Order no. 60450010</p>
<p>S – Servomatic (low-energy) Operation mode 1: Motion sensors start the rotary movement of the door wings at a low speed. Acceleration to walking speed is achieved manually. The door rotates back to the starting position after each use. Operation mode 2: The door permanently rotates at a reduced speed and acceleration to walking speed is achieved manually.</p>	<p>Function module "S" Order no. 60450020</p>
<p>A – Automatic (full-energy) Operation mode 1: Motion sensors start the rotary movement of the door wings at walking speed. The door rotates back to the starting position after each use. Operation mode 2: The door permanently rotates at a reduced speed and acceleration to walking speed is automatically activated by motion sensors.</p>	<p>Function module "A" Order no. 60450030</p>
<p>Optional features on an existing KTV 3 or KTV 4 revolving door</p>	<p>Additionally needed KT FLEX Direct modification kit</p>
<p>Electromechanical locking device The equipment that is to be retrofitted has an electromechanical locking device. In the case of doors having a bookfold hinge (folding door wing), 2 kits must be ordered and replaced.</p>	<p>Modification kit electromechanical locking device Order no. 60450002</p>
<p>Fine-frame (profile) 3-wing turnstile The equipment that is to be retrofitted has 3 door wings and is equipped with a rigid, fine-frame (profile) turnstile.</p>	<p>Modification kit fine-frame (profile) 3-wing Order no. 60450003</p>
<p>Fine-frame (profile) 4-wing turnstile The equipment that is to be retrofitted has 4 door wings and is equipped with a rigid, fine-frame (profile) turnstile.</p>	<p>Modification kit fine-frame (profile) 4-wing Order no. 60450004</p>
<p>Night shield (internal / external) The equipment that is to be retrofitted is equipped with a night shield.</p>	<p>Modification kit night shield Order no. 60450005</p>

* Retrofitting is possible for selected doors having a production year of 2005 or more recent. For technical reasons, KTV SECURE, KTV ATRIUM and KTV type doors with glass ceiling, and doors with the "Shock-Stop" anti-vandalism brake or underfloor drive options cannot be retrofitted.



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WN 054561-51532, 04/17, Retrofit kit KTV Revolving doors, EN
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