



Revolving Doors
Varioline

DORMA

**KTV-
ATRIUM**

Revolving doors systems

Wherever entrances have to accommodate a constant flow of inward and outward traffic while maintaining a pleasant climate inside the building, DORMA KTV revolving doors offer the ideal answer. They provide a barrier to noise, dust and dirt, reliably protect employees working in the vicinity of the entrances against draughts, and help to keep heating costs down. Offering outstanding versatility, DORMA KTV revolving doors come with a wide range of options:

- 3 or 4 wings
- side walls of 17.5 mm laminated safety glass (LSG), neutral
- additional night shields
- manual operating mode (KTV-ATRIUM/M)
- automatic resume-X position (KTV-ATRIUM/P)
- Servomatic power-assist (KTV-ATRIUM/S)
- Speed control (option)

Benefits

... for the installer

- Flexible system to suit all requirements.
- Easy to install with fast commissioning.
- State-of-the-art technology conforming to all relevant national and international standards

... for the architect/specifier

- Extensive design flexibility in terms of style, appearance and technical requirements

- Visually, technically and economically the ideal solution
- #### ... for the user
- Improved working conditions.
 - Optimisation of the building energy balance.
 - Effective noise protection.
 - Tailored integrated solution manufactured to the highest engineering precision with quality assured.

Traffic capacities

Inside diameter (D) mm	Theoretical capacity ¹⁾	Practical capacity ²⁾		Maximum capacity ³⁾
	Persons/hour →	→ Persons/hour	↔	
2000	1440	480	960	24
2400	1800	600	1200	30
2800	3240	1080	2160	54

¹⁾ The theoretical capacity value indicates how many people can pass through the revolving door in one (→) direction per hour, assuming that the traffic flow is uniform and the internal segments are fully occupied

²⁾ The practical capacity values indicate how many people can actually pass through the revolving door in one (→) and in both (↔) directions

³⁾ The maximum capacity value indicates how many people can pass through the revolving door in one direction (→) per minute when there is a constant stream of traffic, e.g. in the morning and evening.

Data and features	DORMA KTV-ATRIUM
Inside diameter	
3 / 4 wings	2000, 2200, 2400 2600, 2800
Outside diameter in mm	
3 / 4 wings without night shield	Inside diameter + 48 mm
3 / 4 wings with night shield	Inside diameter + 112 mm
Clear passage height in mm	
3 / 4 wings	2100 – 2500
Overall height in mm	
3 / 4 wings without night shield	Clear passage height + 22 mm
3 / 4 wings with night shield	Clear passage height + 114 mm
Push handles on the door wings	
KTV-ATRIUM/M/P/S, 3 / 4 wings: OGRO 9126	•
Speed control	○
External night shield	○
Mechanical wing locking	○
Mechanical night shield locking	○
Floor ring	○
Mat	○
German type approval (KTV-ATRIUM/P/S)	•

• yes ○ option



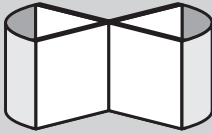

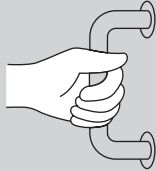
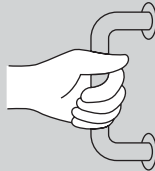

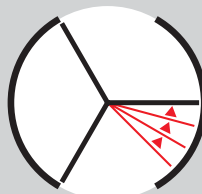
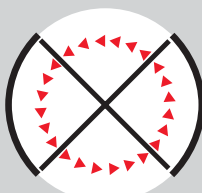
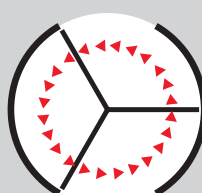
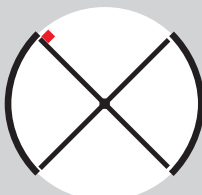

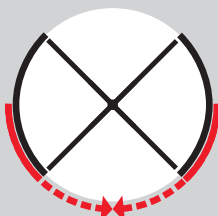
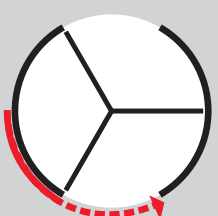
Type-approved by the Technischer Überwachungsverein Hannover to VDE 0700 T 238 and ZH 1/494 – Code of practice for power-operated windows, doors and gates.



Quality assured manufacture to DIN ISO 9001, EN 29001, BS 5750. Certified and verified by BSI Quality Assurance Reg. No. Q 6423, FM 10756



Designs, functions, standard equipment, options

Designs	KTV-4	KTV-3
		
Actuation/Functions		
Manual actuation option /M		
Automatic		
<p>Resume-X position /P Door manually operated, after which the turnstile is automatically returned to its stationary home (X) position.</p>		
<p>Servomatic /S Door activated by radar detector and operated manually with the rotary motion being power-assisted. The automatic resume-X position feature is also included in this version.</p>		
Options		
<p>Lock (Option)</p>		
<p>External night shield (Option)</p>		

KTV/M/P/S

- Wings rigid, side walls of
- 17.5 mm laminated safety glass (LSG), neutral, with all-round channel-section edging trim
 - with optional external night shield of 10 mm toughened safety glass (TSG)

KTV-ATRIUM-4 dimensions

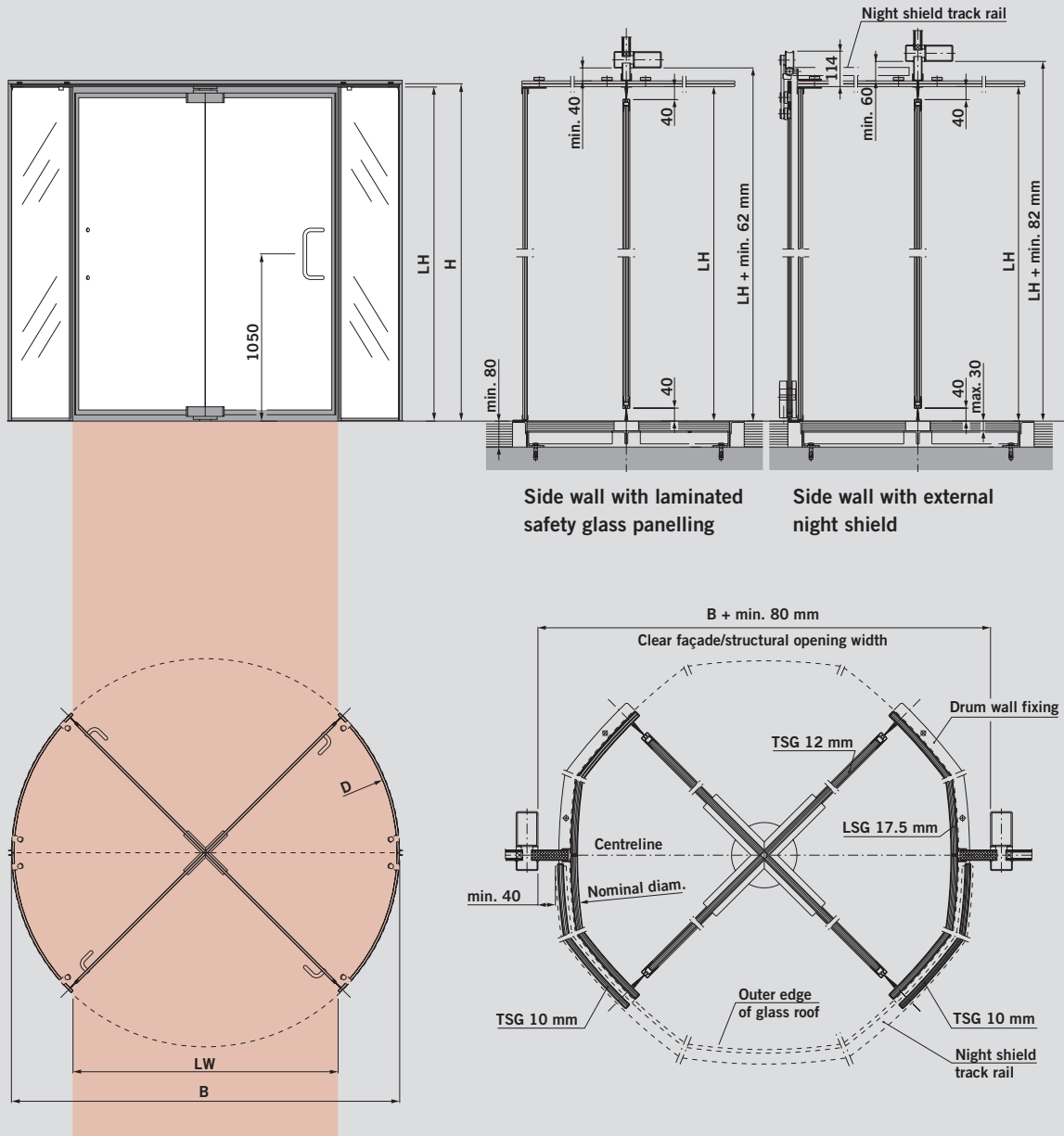
Four-wing design (without night shield)

Inside diameter (D)	2000	2200	2400	2600	2800
Outside diameter (B)	2048	2248	2448	2648	2848
Clear passage width (LW)	1379	1520	1661	1803	1944

Four-wing design (with external night shield)

Inside diameter (D)	2000	2200	2400	2600	2800
Outside diameter (B)	2112	2312	2512	2712	2912
Clear passage width (LW)	1379	1520	1661	1803	1944

KTV-ATRIUM/M/P/S



KTV-ATRIUM-3 dimensions

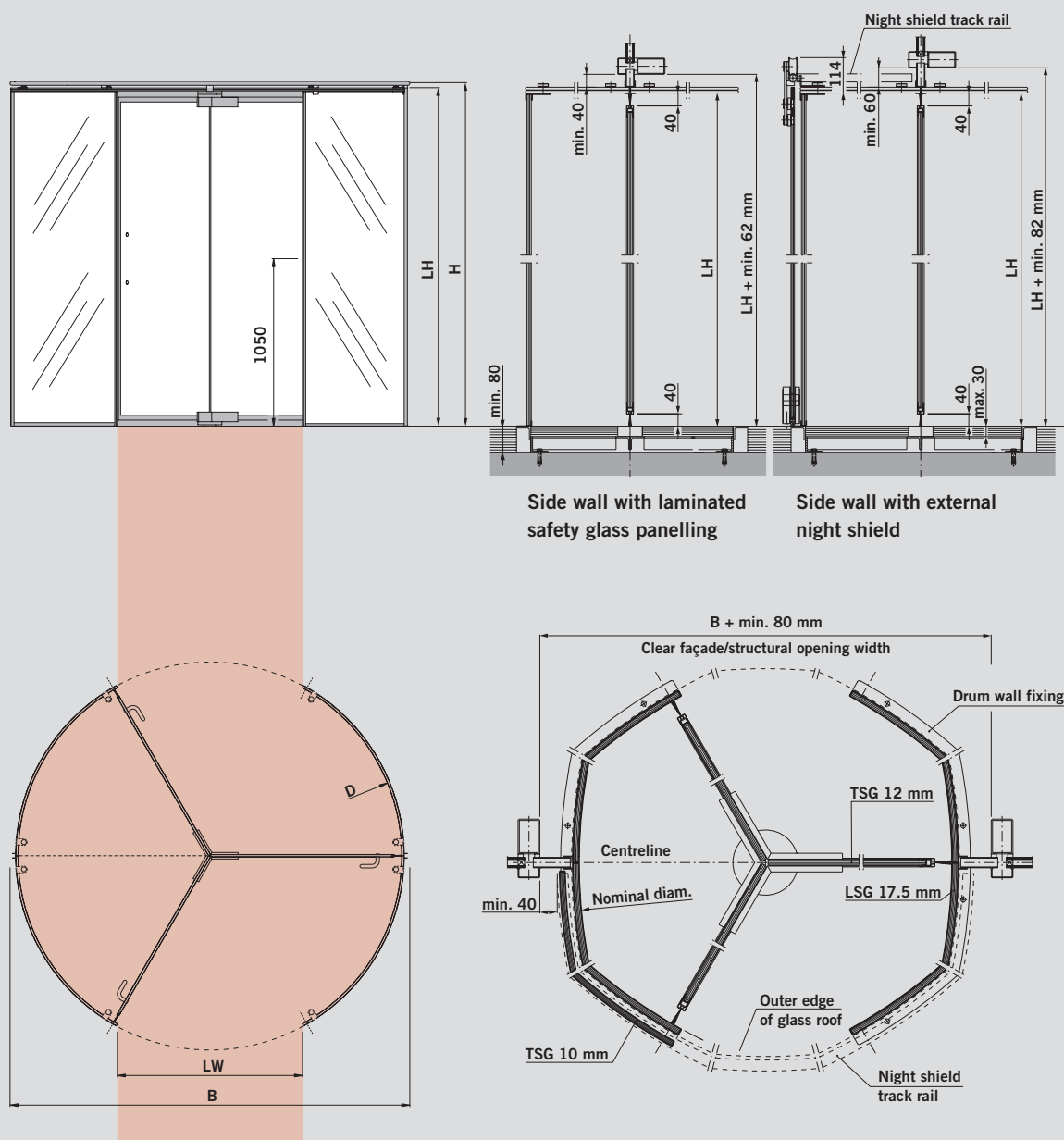
Three-wing design (without night shield)

Inside diameter (D)	2000	2200	2400	2600	2800
Outside diameter (B)	2048	2248	2448	2648	2848
Clear passage width (LW)	957	1057	1157	1257	1357

Three-wing design (with external night shield)

Inside diameter (D)	2000	2200	2400	2600	2800
Outside diameter (B)	2112	2312	2512	2712	2912
Clear passage width (LW)	957	1057	1157	1257	1357

KTV-ATRIUM/M/P/S

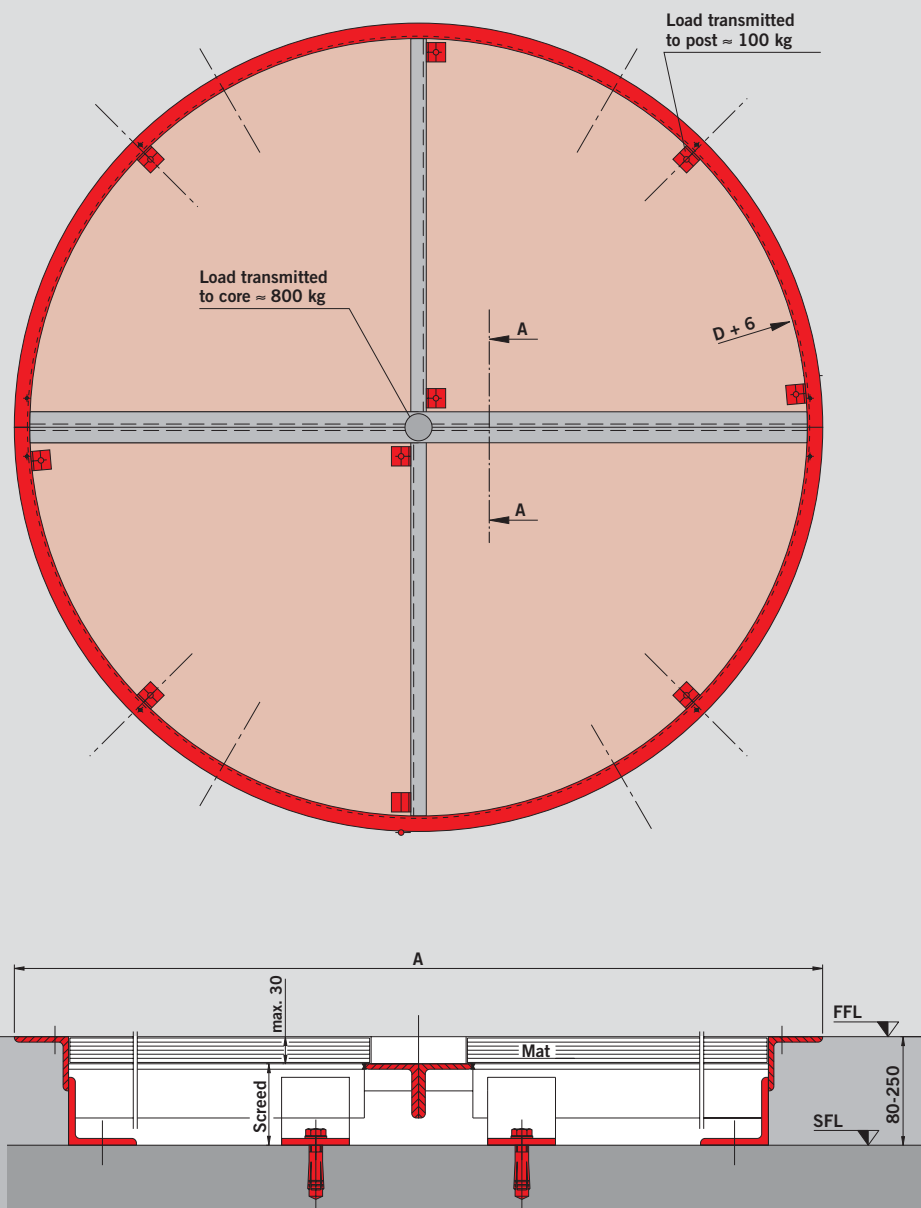


Floor ring

D	A
∅ 2000	2086
∅ 2200	2286
∅ 2400	2486
∅ 2600	2686
∅ 2800	2886

... all dimensions in mm.

KTV-ATRIUM/M floor ring without speed limiter



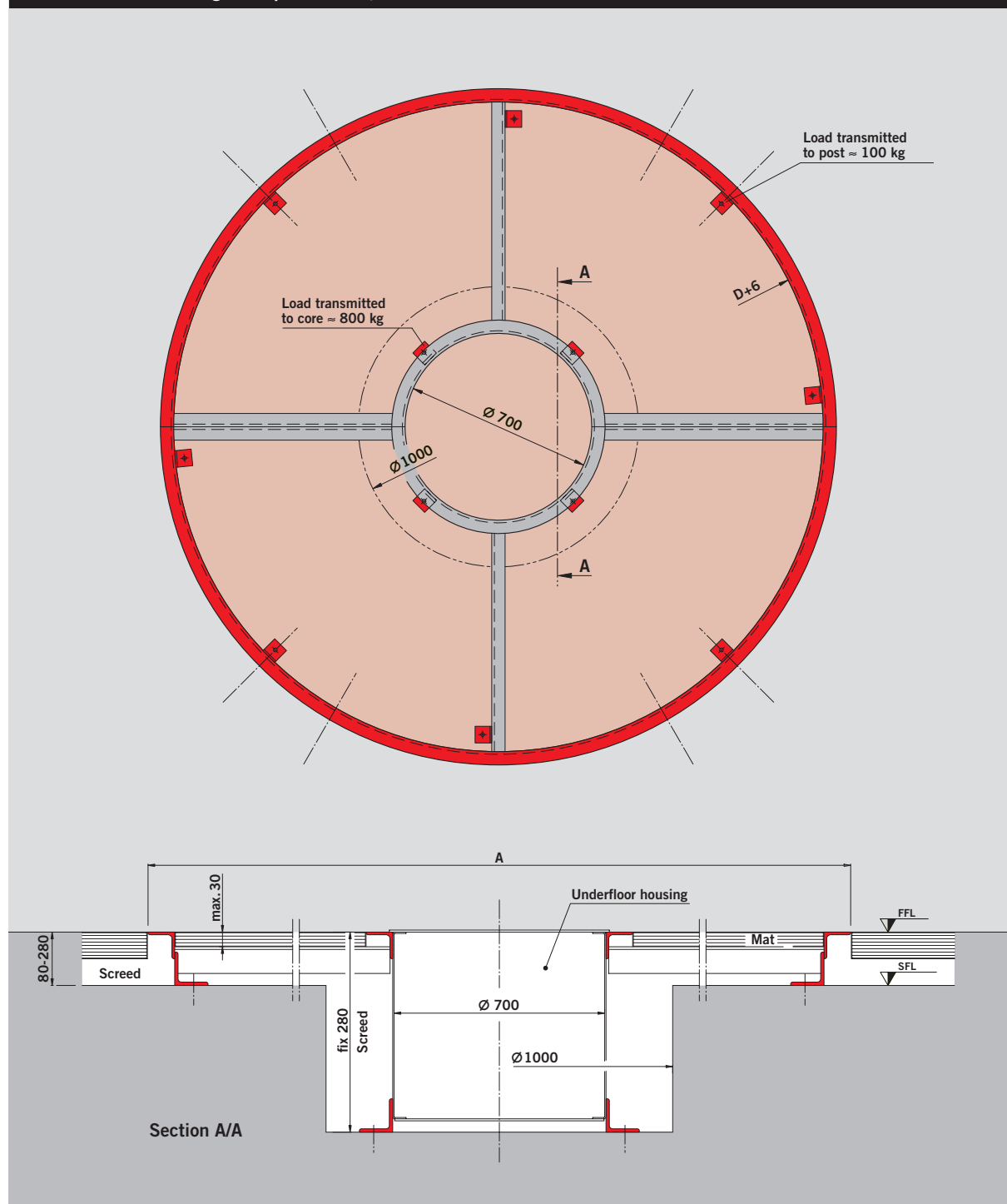
Section A/A

Floor ring

D	A
∅ 2000	2086
∅ 2200	2286
∅ 2400	2486
∅ 2600	2686
∅ 2800	2886

... all dimensions in mm.

KTV-ATRIUM/M floor ring with speed limiter, KTV-ATRIUM/P/S



Functions

Manual operation /M

The door is operated by hand.

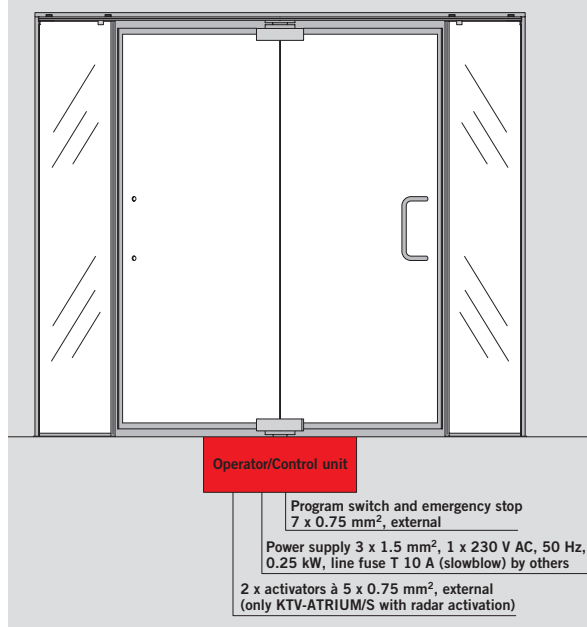
Automatic resume-X position drive /P

The door is operated by hand. After each usage, it is automatically rotated forward to its stationary home position by the motor.

Servomatic /S

The door is operated manually with motor assist, or activated by a radar detector which initiates low-speed door rotation. As a user comes within range of the radar detector, the door operator switches to positioning speed and can be accelerated manually if required. After each usage, the motor either automatically moves the door to its stationary home position (Setting 1) or continues to rotate the door at low speed (Setting 2).

Cable diagram for DORMA KTV-ATRIUM/P and ATRIUM/S



Specification text

- DORMA KTV-ATRIUM revolving door
 Outside diameter (B) ...mm Inside diameter (D)...mm
 Clear passage height (LH)...mm Overall height (H) ...mm
 Surface finish:
- PU-coated to RAL (wings only)
 - Anodised in colour shade E6/.....
 - Stainless steel, brushed satin finish, 240 grit,
DIN material No. 1.4301 (standard)
 - Stainless steel, polished, 1.4301

Constructional description

Side walls

Curved side walls of 17.5 mm laminated safety glass, neutral, with all-round channel-section edging trim, prepared for 24 mm wide wall-to-façade connection at door centre line.

Ceiling

21.5 mm LSG, neutral.

Turnstile

Fine-framed, rigid revolving door turnstile, panelling of 12 mm toughened safety glass, with all-round, replaceable horsehair brushes, manual floor lock prepared for single profile cylinder by others.

Function

- DORMA KTV-ATRIUM/M**
For manual operation, with mechanical speed limiter option.
- DORMA KTV-ATRIUM/P**
With automatic resume-X position: The door has to be operated by hand. A variable-speed positioning motor installed in the floor automatically rotates the door through to its stationary home (X) position after each usage. With mechanical speed limiter option.

DORMA KTV-ATRIUM/S

The door is manually operated with motor assist or, if activated by a radar detector, started at low rpm. After each usage, the motor rotates the door automatically to its stationary home (X) position. With mechanical speed limiter option.

Options

- External night shield**
of 10 mm TSG
- Floor ring**
- Mat**
 - Natural coir fibre matting, 18 mm
 - ARWEI 020/72 B1 wipe clean mat
 - EMCO 522-5G wipe clean mat
 - ARWEI 020/72 C1 wipe clean
 - EMCO 522-5R wipe clean mat
 - By others, max. 30 mm

DORMA Entrance Systems Limited
 Woodside Industrial Park
 Works Road
 Letchworth
 Hertfordshire SG6 1LA
 United Kingdom
 Tel. 01462 472500
 Fax 01462 472501

DORMA Door Controls Pte. Ltd.
 No. 2, Jalan Terusan, Jurong
 Singapore 619285
 Rep. of Singapore
 Tel. 0065 2687633
 Fax 0065 2657914

BWN Industries Pty. Ltd.
 46 Abbott Road
 Hallam Victoria 3803
 Australia
 Tel. 0061 3/97 96 41 11
 Fax 0061 3/97 96 37 67

DORMA Door Controls Pty. Ltd.
 P.O. Box 1092
 Narre Warren Vic 3805
 52 Abbott Road
 Hallam Victoria 3803
 Australia
 Tel. 0061 3/97 96 35 55
 Fax 0061 3/97 96 39 55

DORMA Arabia Automatic Doors Ltd.
 P.O. Box 1633
 Dammam 31441
 Kingdom of Saudi Arabia
 Tel. 00966 38/47 23 94
 Fax 00966 38/47 23 68

DORMA Door Controls (Pty.) Ltd.
 Kings Court
 P.O. Box 82182
 2135 Southdale
 South Africa
 Tel. 0027 11/8 30 02 80
 Fax 0027 11/8 30 02 91

DORMA GmbH + Co. KG
 P.O. Box 40 09
 58247 Ennepetal
 Breckerfelder Straße 42-48
 58256 Ennepetal
 Germany
 Tel. +49(0)23 33/7 93-0
 Fax +49(0)23 33/79 34 95

The address of a subsidiary/
 representation in your area you can
 find at the DORMA-website:
www.dorma.com