

Type Approval Certificate (English Issue)

P-4124/22

Applicant: GEZE GmbH
 Reinhold-Vöster-Straße 21-29
 71229 Leonberg

Production plant:

- GEZE GmbH
 Reinhold-Vöster-Straße 21-29
 71229 Leonberg
- EDÖRA OTOMATİK KAPI SİSTEMLERİ SANAYİ
 VE TİCARET ANONİM ŞİRKETİ
 ASO 2.OSB ALCI MAH. 2014 CADDE NO:31 SİNCAN
 06930 ANKARA

Type approval mark:



Type approval: **Automatic revolving door**

3 / 4-leaf automatic revolving door with drive in the canopy or with a drive in the floor (underfloor drive).

Version with rigid or hinged door leaves.

The version with hinged door leaves is suitable for use in escape and rescue routes

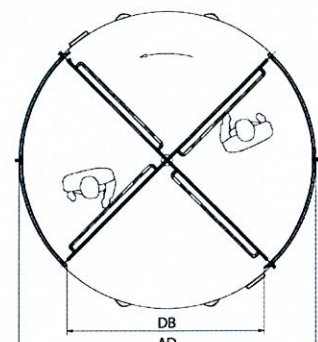
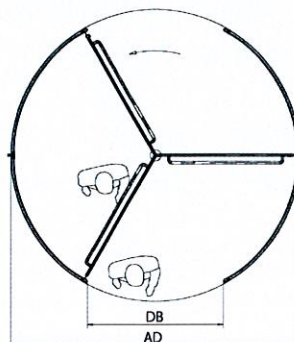
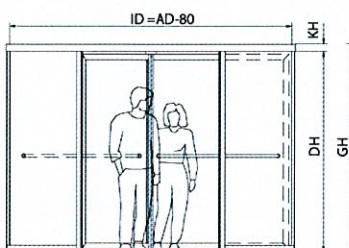
Type: **Revo.PRIME**

Permissible version:

- Interior diameter (ID): min/max. 1800 – 3800 mm
- Passage height (PH): max. 4.000 mm
- Opening width / passage width (PW): min/max. 795 mm / 2635 mm

A suitable escape and rescue route width of over 1000 mm is achieved with an interior diameter of at least 2600 mm.

Version with rechargeable battery, which ensures safe operation up to the next end position in the event of a power failure.



AD: Exterior diameter, DH: Canopy height, GH: Total height

Type key for potential variants

1	2	3	4	5	6	7	8
Revo.PRIME	UFA	A	3	GG	NV	BO	RC2

- 1 - Type - revolving door
- 2 - - Standard system
UFA - Drive installed in the floor
- 3 - A - Automatic
M - Manual
P - Positioner
D - Speed limiter
- 4 - 3 - Door leaf
4 - Door leaf
- 5 - - Standard system
GG - All-glass system
GD - System with glass roof
- 6 - - Without night-time closer
NV - Outside-running manual night-time closer
ANV - Outside-running automatic night-time closer
INV - Inside-running night-time closer
IANV - Inside-running automatic night-time closer
- 7 - - Without breakout
BO - With breakout
- 8 - - Without resistance class
RC 2 - Resistance class RC 2

Approved options

- Manual and electromagnetic lock
- Inside- and outside-running night-time closers, manual or automated
- Design with glass roof and underfloor drive
- Canopy prepared for the installation of hot-air curtain systems
- Design with burglar-resistant night-time closer in version RC 2
- Interior and exterior pulse generator for opening and unlocking

Protection of hazardous areas:

- on the body through:
 - Presence sensor GC 339, Flatscan REV PZ Surface
 - Safety edge HSC 5-00
 - GEZE interior emergency stop switch (exterior optional)
- on the door leaves through:
 - Safety edge HSC 3-01 horizontal
 - Safety edge HSC 6-00 vertical
 - Presence sensor GC 338, GC 342 or Flatscan REV LZ

Technical data:

Rated voltage:	200 - 240 VAC, 50/60Hz
Capacity rating:	330W, max. 600W
Protection degree, top drive:	IP20
Protection degree, bottom drive:	IP66
Protection class:	SK I
Temperature range:	-15°C - +50°C
Humidity range:	up to 85% rel. humidity
Secondary voltage:	24V DC (+/- 5%), SELV (for external components)
Control voltage:	24V DC SELV
Motor voltage:	42V DC SELV
Rated weight:	depending on the diameter

Glazing:

Turnstile (straight glass in the turnstile)

- Toughened safety glass (TSG) 8mm to 22mm
- Laminated safety glass (LSG) 8mm to 22mm
- Insulating glass up to 22mm
- Panel filling up to 22mm

Drum walls / night-time closer:

- Laminated safety glass (LSG) 8mm to 22mm
- Burglar-resistant laminated safety glass (PXA, PXB) 8mm to 22mm
- Insulating glass up to 22mm
- Panel filling up to 22mm
- Smooth panel 34mm

Applied standards:

1. DIN EN 16005:2013-01 + amendment 1:2015-10
(German version EN 16005:2012 + AC:2015)
Power operated pedestrian doorsets - Safety in use - Requirements and test methods.
2. DIN EN 60335-1:2020-08
(German version EN 60335-1:2012 + AC:2014 + A11:2014 + A13:2017 + A1:2019 + A2:2019 + A14:2019)
Household and similar electrical appliances - Safety
Part 1: General stipulations
3. DIN EN 60335-2-103:2016-05
(German version EN 60335-2-103:2015)
Household and similar electrical appliances - Safety
Part 2-103: Particular requirements for drives for gates, doors and windows
4. DIN EN ISO 13849-1:2016-06
(German version EN ISO 13849-1:2015)
Safety of machinery - Safety-related parts of control systems
Part 1: General principles for design
5. DIN EN ISO 13849-2:2013-02
(German version EN ISO 13849-2:2012)
Safety of machinery - Safety-related parts of control systems
Part 2: Validation

as well as applicable standards, regulations and directives listed in the aforementioned test specifications.

Conditions:

1. Before the system is erected and commissioned, a risk analysis / Safety analysis must be carried out, taking the local conditions into consideration. Depending on the result of the risk analysis, the system must be equipped with the necessary sensors and protective measures.
2. The sensors mentioned above are to be used as sensors for activation the drive and for use as presence sensors. The application limits according to the manufacturer's specifications must be observed.
3. The control of the Revo.PRIME automatic revolving door is only suitable for dry rooms.
4. The installation of automatic revolving doors and the functionally associated control elements may only be carried out by a specialist company.
5. Door leaf dimensions, door leaf weights and materials must correspond to the parameters of the relevant and checked drawing documents.
6. Door leaves and drum walls made of transparent materials must be clearly marked at the place of installation.
7. For each automatic revolving door, the following or supplementary technical documents must be handed over to the client or operating company:

- User manual with: Functional description of the system, the measures for operation, information on faults and maintenance, information for the test and its deadlines,
 - Inspection book with information for maintenance and its deadlines,
 - A copy of this certificate P-4124/22.
8. Before operating automatic revolving doors of the type "Revo.PRIME", a test by experts with written proof of the test result is required. The door system must be checked at least once a year by experts. The manufacturer's information on inspection and maintenance intervals must be observed.

Notes:

1. The door system has been tested for a durability of over 1 million cycles.
2. The door type does not meet any fire protection requirements (smoke tightness, fire resistance).
3. Further requirements of the competent building supervisory authority according to the state building regulations applicable to the installation site remain unaffected by this certificate.
4. Significant changes to the test basis may require a new test.
5. The type examination certificate is valid until 31.12.2026.

Zella-Mehlis/Germany, 09.05.2022

TÜV Thüringia e.V. (Association for Technical Inspection)
Test Centre for Construction Products

Dipl.-Ing. (FH) Reichelt
Head of the Test Centre

