

Opening Doors Worldwide!

TORMAX REVOLVEDOOR  
Turn System



★★★★★  
**TORMAX**  
AUTOMATIC



TORMAX Turn System CLASSIC,  
Hotel Intercontinental, Germany

## Revolving Doors. The Refined Revolution.

### CONVENIENCE

Revolving doors welcome you in. Visitors, customers and guests can leave through a door just as easily as they entered – whether they come in with their hands full and leave empty-handed or vice versa.

### STYLE

Revolving doors are as elegant as representative. They are therefore equally suitable for a company's head office, a hotel, a shopping centre, an airport, an office building or a bank. In short, wherever buildings want to make a statement, revolving doors communicate style.

### CLIMATE

A salesperson working next to the entrance? A hotel lobby without a draft? What is required is a pleasant, uniform temperature which also facilitates efficient climate management within the building. Revolving doors meet these requirements. The fresh air remains inside and the noise, dirt, car exhausts and wind stay outside.

## TORMAX. The Specialist.

Advice, offers, installation and after-sales-service: TORMAX is the specialist for revolving doors and all related services. For revolving doors which operate with extreme reliability and are practically maintenance-free – right round the clock if you wish.

Select exactly the door system you need from our wide range. You will always be pleased with it.

# The TORMAX Turn System. The Clever Choice.

## QUALITY

The heart of automatic doors is the drive. We developed the long-life AC motor and subjected it to the same extensive tests we impose on all other components which make our revolving doors so robust and reliable. Examples? The safety glass which is standard in all our doors or the two rows of thick, natural horse-hair brushes which project beyond the edges of our doors.

## SAFETY

We call the safety provided by our revolving doors “factory integrated safety” – quite simply because of the optimal coordination of the different safety features we build into our doors in the factory. Amongst our safety features are a drive with high dynamic braking power, monitored safety features and rounded corners at all hazardous areas.

Every system has to undergo intensive quality control tests during production. All that is needed on site is to make the electrical connections. Depending on the model, TORMAX revolving doors are equipped with the following safety features:

- Activation sensors
- Pre-mullion safety
- Mullion safety
- Horizontal safety pressure strips
- Vertical safety pressure strips
- Break-out devices
- Emergency stop buttons and buttons for the disabled
- Finger protection

## INDIVIDUALITY

The TORMAX Turn system is manufactured using clearly defined quality management procedures. You can always count on this – whether you select a door system from our standard range or whether you have individual ideas and requirements – requirements which we always welcome.



*Glass ceiling with fibre-optic illumination (optional extra)*



*Scarcely visible sensors form part of "factory integrated safety"*



*Even the most modern accessories require precise craftsmanship*

# One System. Many Models.

Drive \*



Belgium

## CLASSIC (CL) small

Excellent workmanship meets classic, timeless design. The 56×56 mm aluminium edge profiles provide an impression of lightness (73mm at the top and 105mm at the bottom of the curved enclosure wall), the canopy compartment, including rain-water retention system measures from only 250mm (100mm without drive). Suitable for door diameters up to 4.0m.

The drive may be installed above the door or optionally in the floor.

Manual

Servo  
Automatic

Fully  
Automatic



England

## CLASSIC (CL) large

The centre column is made of steel and is stronger than that of CLASSIC small; it is also equipped with an integral break-out\*\* system and is therefore suitable for door diameters from 3.6 to 6.2m. The aluminium profile frame measures 76×76 mm and the canopy compartment 500mm. It can also be supplied with an optional central display case. The drive is installed above the door.

Fully  
Automatic



Denmark

## LIGHT FRAME (LF)

You never imagined that revolving doors could be so delicate and yet so strong. This lightness is provided by precision-manufactured slender framing profiles which measure only 40×20 mm on the door wings and 40×30 mm on the curved enclosure walls. The glass canopy also contributes to the elegant appearance. The door wings are mounted at the centre column. The canopy compartment is only 40mm high (45mm with night closure doors) and the drive is installed in the floor.

Manual

Servo  
Automatic

Fully  
Automatic



Belgium

## FULL GLASS (FG)




















Futuristic, light, clear. The name says it all – this model is made almost completely from safety glass. Grounded stainless steel finish on the door frames with 40×20 mm profiles and on the curved enclosure walls with 40×30 mm profiles. The floor profiles can even be concealed in the floor itself. The canopy is made completely from glass and the door wings need no centre column. The stainless steel canopy rim measures a mere 25 mm (45 mm with night closure doors).



















Manual


















Servo  
Automatic

Fully  
Automatic

\* We distinguish between manual revolving doors (no drive), servo-automatic revolving doors which are driven when the doors are gently pushed, and fully automatic doors whose operation is fully controlled by sensors.

Model	Number of wings	Diameter (mm)	Capacity (Pers/hour) <sup>4)</sup>	Use	Passage height (mm)	Open position/ break-out**	Material/ colour***
5051.CL	 	1800–2700	800–1100		2100–3000 Canopy height: from 120 mm	Optional	<b>Standard</b> Aluminium • powder coated in standard RAL colours  <b>Options</b> Aluminium • anodised, natural  Stainless steel • ground • polished • mirror polished Brass • mill finish  Others on request
		2700–3400	1100–1400	  	2100–3000 Canopy height: from 250 mm		
5151.CL		1800–2700	800–1200	 		2100–3000 Canopy height: from 250 mm	
5251.CL		1800–2900	800–1400	 	2100–3000 Canopy height: from 250 mm		
5251.CL		2900–4000	1200–2800	   <sup>1)</sup>		2100–3000 Canopy height: from 500 mm	
5351.CL		3600–4800	1600–3800	   <sup>2)</sup>	2100–3000 Canopy height: from 500 mm		
5351.CL		4800–6200	2100–4800	   <sup>2)</sup>			

5051.LF	 	1800–2700	800–1100		2100–3000 Canopy height: from 40 mm	Optional <sup>3)</sup>	<b>Standard</b> Stainless steel/ Aluminium • powder coated in standard RAL colours  <b>Options</b> All finishes described above
		2700–3000	1000–1200	  			
5151.LF		1800–2700	800–1200	 	2100–3000 Canopy height: from 25 mm	 	
5251.LF		2700–3000	1000–1300	  			
5251.LF		1800–2700	800–1300	 	2100–3000 Canopy height: from 25 mm		
5251.LF		2700–3600	1200–2800	   <sup>1)</sup>			

5051.FG	 	1800–2700	800–1100		2100–3000 Canopy height: from 25 mm	Optional <sup>3)</sup>	<b>Standard</b> Stainless steel/ Aluminium • ground 180/220  <b>Options</b> All finishes described above
		2700–3000	1000–1200	  			
5151.FG		1800–2700	800–1100	 	2100–3000 Canopy height: from 25 mm	 	
5251.FG		2700–3000	1000–1300	  			
5251.FG		1800–2700	800–1300	 	2100–3000 Canopy height: from 25 mm		
5251.FG		2700–3000	1200–1400	 			

\*\* The mechanical emergency opening system ("break-out" system) opens the doors at a given, adjustable force and automatically stops the rotation. The door wings can also be permanently placed in the open position. Return to normal operation is set by hand.

\*\*\* for curved walls-, door wings- and canopy profiles

1) 3-wings from Ø 3400 mm / 4-wings from Ø 3800 mm

2) 3-wings from Ø 4200 mm / 4-wings from Ø 4800 mm

3) Ø > 2400 mm, passage height max. 2500 mm  
 Ø > 2700 mm, passage height max. 2200 mm

4) Approx. capacity in one direction



TORMAX Turn System LIGHT FRAME,  
Shopping mall, Denmark.



## The Extras. Additional Functions.

# EXTRAS



**Touchless sensors.** Sensors on the door wings recognise slow-moving persons or obstacles and automatically adjust door speed.



**Air curtains.** Minor drafts can be excluded by a warm air curtain. The heat can be provided by the building's heating system.



**Display cases.** The entrance can be further enhanced or used for advertising your own products by the simple addition of a central display case (optional for model 5351.CL)



**Existing pillars.** It is also possible to integrate existing pillars with a maximum diameter of 350 mm into the turnstile revolving door. An elegant solution for conversions or renovations.



**Access control.** To provide you with control over persons entering the building. Supports badge, key or other identification systems.



**Night closure doors.** Night closure doors are available for all models. An ingenious internal guide (for CL models) has been developed to protect the mechanism from the weather and prevent the accumulation of dirt.

# Further Incomparable Door Systems From TORMAX



SLIDEDOOR Curved System –  
for entrances to turn heads



Security Door 2001.WK –  
for more safety



Escape Door 2001.BO –  
for free escape routes

Ask your TORMAX distributor for detailed information on these special door systems. We also supply door systems for hospitals and medical centres, sealed areas and special security areas.

# TORMAX. Opens the World's Doors.

TORMAX is a pioneer in door automation. The company installed Europe's first automatic revolving door more than 50 years ago.

Today we are represented in 50 countries across the world. We are therefore somewhere close you.



Swiss quality for over 50 years in the construction of drive systems



Efficient use of energy in door operation and production



Compliance with the most rigorous European and global standards



Network and complex building management system connection capabilities



World-wide service provided by subsidiaries and independent distributors on five continents

*REVOLVEDOOR Turn System,  
Danfoss, Denmark*

WT-204 e 3.11 Technical subject to modifications



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AUTOMATIC

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