



REVOLVING DOOR

CRYSTAL ALL GLASS

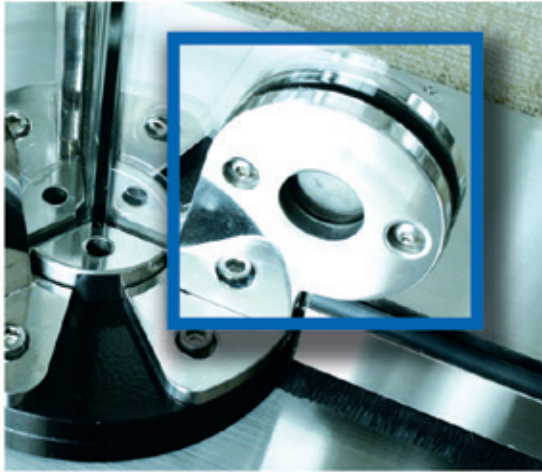
KA071 CRYSTAL DOOR

KA071 crystal door is made of a special safety glass, featuring a unique structure and an impeccable appearance. As the door is designed without a central column, clearer visibility allows it to become sparkling and more elegant. With IDC/KBB's unique music note style clamp, the KA071 door incorporates exceptional mechanical mechanics with aesthetics, increasing both safety and beauty.

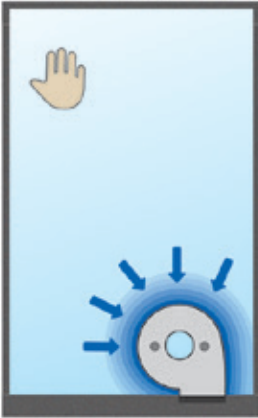
Music Note Style Clamp

The music note style clamp is one of IDC/KBB's most distinguished patents.

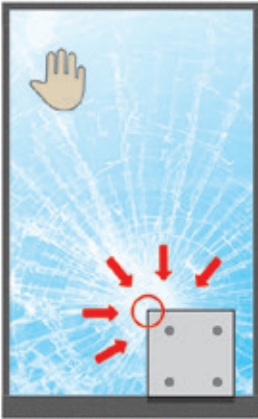
Before the emergence of the music note style clamping system, most of the crystal doors use the conventional square clamping system. However, the traditional square clamp is unable to decentralize the pressure effectively, weakening the glass a round the clamp, and therefore creating safety hazard. The music note style clamp is named after its appearance, similar to one of the musical notes. The clamp's round shape makes the bearing points of the edge distribute pressure equally, keeping the door body steady and firm. This system has proven an impeccable safety record for IDC/KBB's crystal doors.



IDC/KBB ↓



Other ↓



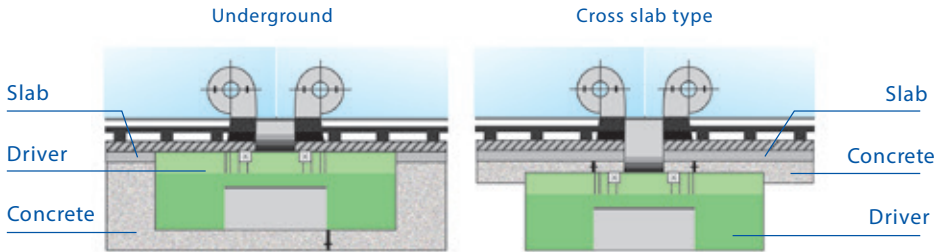


REVOLVING DOOR

CRYSTAL ALL GLASS

INSTALLATION

The KA071 door uses a unique bottom driving design. This allows the door body to be smooth and transparent, satisfying modern designers' preferences.



SPECIFICATIONS OF CRYSTAL DOORS

Model	Diameter	Outer diameter	Total height	Height	Opening	Persons/min
KA071-3-18	70.87" (1800mm)	72.91" (1852mm)	92.36 (2346mm)	90.55 (2300mm)	33.43" (849mm)	x9
KA071-3-21	82.68" (2100mm)	84.72" (2152mm)	92.36 (2346mm)	90.55 (2300mm)	37.36" (949mm)	x9
KA071-3-24	94.49" (2400mm)	96.54" (2452mm)	92.36 (2346mm)	90.55 (2300mm)	45.24" (1149mm)	x12
KA071-3-27	106.30" (2700mm)	108.35" (2752mm)	92.36 (2346mm)	90.55 (2300mm)	49.17" (1249mm)	x18
KA071-3-30	118.11" (3000mm)	120.16" (3052mm)	92.36 (2346mm)	90.55 (2300mm)	57.28" (1455mm)	x18
KA071-3-32	125.98" (3200mm)	128" (3252mm)	92.36 (2346mm)	90.55 (2300mm)	61.10" (1552mm)	x24
KA071-4-18	70.87" (1800mm)	72.91" (1852mm)	92.36 (2346mm)	90.55 (2300mm)	48.66" (1236mm)	x9
KA071-4-21	82.68" (2100mm)	84.72" (2152mm)	92.36 (2346mm)	90.55 (2300mm)	57" (1448mm)	x9
KA071-4-24	94.49" (2400mm)	96.54" (2452mm)	92.36 (2346mm)	90.55 (2300mm)	65.35" (1660mm)	x12
KA071-4-27	106.30" (2700mm)	108.35" (2752mm)	92.36 (2346mm)	90.55 (2300mm)	73.70" (1872mm)	x18
KA071-4-30	118.11" (3000mm)	120.16" (3052mm)	92.36 (2346mm)	90.55 (2300mm)	82" (2084mm)	x24
KA071-4-32	125.98" (3200mm)	128" (3252mm)	92.36 (2346mm)	90.55 (2300mm)	87.64" (2226mm)	x24

THE DIFFERENCES BETWEEN 071 AND 071A

Model/Item	Materials	Central Axis	Emergence Breakout	Manual / Automatic	Canopy Height	Diameter	Others
KA / KM071	Narrow frame: Width 30mm Thickness 26mm	N / A	N / A	N / A	46mm	Standard inner diameter is less than 3 meters	KM071 with knob
KA / KM071A	Narrow frame: Width 80mm Thickness 30mm	With axis and crossbeam	Optional	Optional	70mm	Standard inner diameter can be extended to 3.2 meters to 3.6 meters	KM071A with knob; Manual/automatic KA071A with knob

SECURITY & ADVANCED SAFETY FUNCTIONS

IDC/KBB's three/four-wing revolving doors can be equipped with a security system for access control. Access could only be granted to those with authorized cards.

Following Prevention

In order to ensure that only the authorized person is granted access through the security door, the door rotation will only allow access to the individual with the access card. Any person attempting to follow the first user would be locked inside the door as the door will stop and sound a warning.

Video Analysis

Advanced video analysis software is used to ensure that only one person passes through each passage space. The alarm system of the security door would be triggered off in the case that two or more people breach access through the same passage space.

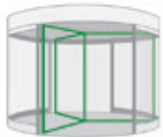
Pass Indication

The passersby can be indicated whether they are authorized to pass by a set of LED lights mounted on the curved wall of the revolving door. When the green light shows, it means that the user is granted access whereas the red light denies it.

Pass Identification

IDC/KBB products provide various of identification systems, including card reader system, finger print reader system and so on, to ensure only identified people can get free access into the buildings. Meanwhile, the systems also help to track the record easily and accurately.

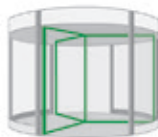
Applied for:



KM023

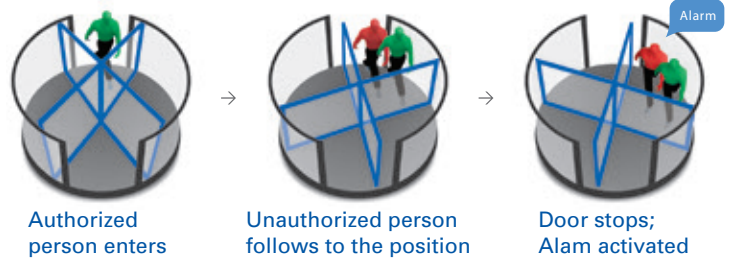
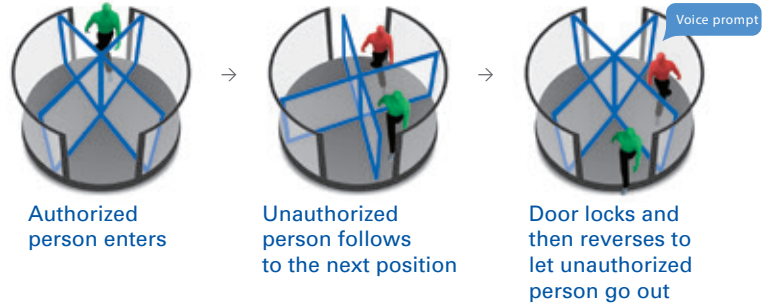


KM071



KM061

Authorized person Unauthorized person



IDC/KBB mainly provides two kinds of swiping-card poles.



ADVANCED SAFETY FUNCTIONS

Force-Sensitive Door Leaf

If the resistance that the revolving wings encounter exceeds a preset value (adjustable), the automatic door will stop revolving to ensure safety and to protect the door at the same time.



Torque Control Function

When the gap to the closing position is less than a certain distance, the driving force of the driving system will be reduced. So even if a passerby tries to rush in, he will not be injured.

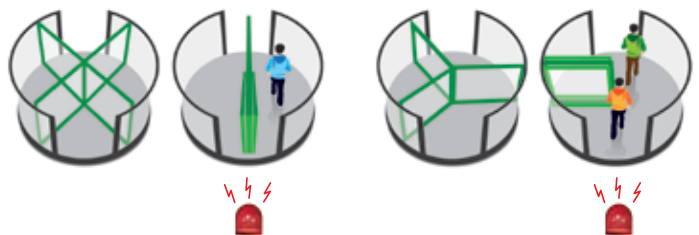


Horizontal Safety Light Barriers

The anti-collision light barriers installed on top of the revolving wings allow the doors to brake when any passerby or objects are detected within a defined scale.



Breakout Function



Night Security Door

Depending on customer preferences, two curved doors can be added outside the drum wall to close the whole revolving door system when needed. This option provides extra protection to the building and the door.



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REVOLVING DOOR

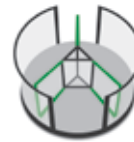
AUTOMATIC LARGE DIAMETER THREE / FOUR-WING

KA052

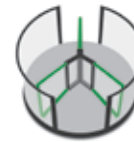
Comparing with ordinary revolving doors, the KA052 series provide a wider passage, allowing easier and safer access to shopping carts in supermarkets and building material supply centers. In addition to providing an elegant entry, the KA052 is a great complement to a more delightful shopping environment.



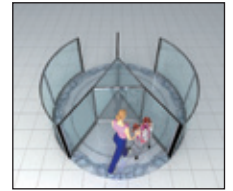
Square



Triangle



Without Showcase



KA072

KA072 is the best solution for the buildings where there are columns in door areas. The ingenious design incorporates the columns inside the door frame, enhancing the overall appearance and practicality.



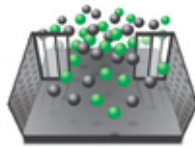
ENERGY-SAVING AND ENVIRONMENT-FRIENDLY

IDC/KBB's revolving doors use a unique design referred to as windmill revolving body. Its revolving direction is consistent with that of the wind. The design cuts of the exchange of indoor and outdoor air, allowing for cost and energy savings of 10% or more than other revolving doors. It is estimated that the cost of a IDC/KBB two-wing automatic revolving door is equivalent to the money it saves in three years.

The price difference of revolving doors and sliding doors are equal to the energy consumption cost of a 2-3 year timeframe.

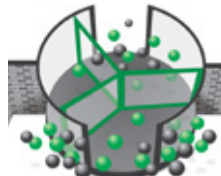
As for the sliding doors, the amount of air exchanged varies according to the size of the area, time of the opening of the door and the speed of airflow.

● ● Air



sliding doors

The air exchange for revolving doors depend only on the inside air volume and the number of times the doors open.



revolving doors

$$\text{Environment Energy Consumption (EC)} = \text{Temperature Difference Between Internal \& External (TD)} \times \text{Air Exchange Volume (EV)} \times \text{Specific Heat Capacity of Air (C)}$$

	KA023	KM023	KA061	KM061	KA071	KM071	KA071A	KM071A
Three-wing doors	✓	✓	✓	✓	✓	✓	✓	✓
Four-wing doors	✓	✓	✓	✓	✓	✓	✓	✓
Automatic	✓		✓		✓		✓	
Manual		✓		✓		✓		✓
With central axis	✓	✓	✓	✓			✓	✓
With drum-wall-pillar			✓	✓				
Top driving	✓	✓	✓	✓				
Underground driving				✓	✓	✓	✓	✓

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REVOLVING DOOR

AUTOMATIC LARGE DIAMETER THREE / FOUR-WING

KA023 THREE-WING REVOLVING DOORS DIMENSION

Model	Diameter	Outer diameter	Total height	Clear Passage Height	Opening	Persons/min
KA071-3-18	70.87" (1800mm)	74.33" (1888mm)	98.43" (2500mm)	86.61" (2200mm)	31.69" (805mm)	12
KA071-3-21	82.68" (2100mm)	86.14" (2188mm)	98.43" (2500mm)	86.61" (2200mm)	37.60" (955mm)	24
KA071-3-24	94.49" (2400mm)	97.95" (2488mm)	98.43" (2500mm)	86.61" (2200mm)	43 1/2" (1105mm)	24
KA071-3-27	106.30" (2700mm)	109.76" (2788mm)	98.43" (2500mm)	86.61" (2200mm)	48.98" (1255mm)	24
KA071-3-30	118.11" (3000mm)	121.57" (3088mm)	98.43" (2500mm)	86.61" (2200mm)	55 5/16" (1405mm)	30
KA071-3-32	125.98" (3200mm)	129.45" (3288mm)	98.43" (2500mm)	86.61" (2200mm)	59.45" (1510mm)	30
KA023-3-36	141.73" (3600mm)	145.20" (3688mm)	98.43" (2500mm)	86.61" (2200mm)	67 1/8" (1705mm)	36

KA023 FOUR-WING REVOLVING DOORS DIMENSION

Model	Diameter	Outer diameter	Total height	Clear Passage Height	Opening	Persons/min
KA071-4-18	70.87" (1800mm)	74.33" (1888mm)	98.43" (2500mm)	86.61" (2200mm)	46.34" (1177mm)	12
KA071-4-21	82.68" (2100mm)	141.73" (2188mm)	98.43" (2500mm)	86.61" (2200mm)	94.09" (2390mm)	24
KA071-4-24	94.49" (2400mm)	97.95" (2488mm)	98.43" (2500mm)	86.61" (2200mm)	63.78" (1620mm)	24
KA071-4-27	106.30" (2700mm)	109.76" (2788mm)	98.43" (2500mm)	86.61" (2200mm)	71.81" (1824mm)	24
KA071-4-30	118.11" (3000mm)	121.57" (3088mm)	98.43" (2500mm)	86.61" (2200mm)	79.76" (2026mm)	30
KA071-4-32	125.98" (3200mm)	129.45" (3288mm)	98.43" (2500mm)	86.61" (2200mm)	85.51" (2172mm)	30
KA023-4-36	141.73" (3600mm)	145.20" (3688mm)	98.43" (2500mm)	86.61" (2200mm)	96.46" (2450mm)	36

TECHNICAL PARAMETERS

Power supply	220 V/AC ± 10% 50Hz
Lighting	12V/AC 120W/240W
Rated power	600W
Motor power	250W
Lighting power	300W
Control system power	50W
Low speed adjustment range	0.5 ~2.5rpm
High speed adjustment range	1~4rpm

CONFIGURATION

Standard	Optional
Aluminum alloy door leaf	Waterproof cover
PLC control system	Fire alarm
Ceiling --- Fire plate	Anti-collision
4+4mm laminated curved glass	Anti-squeeze
3+3mm laminated plane glass	Night security door
Mechanical lock	Remote control
Ceiling spot light: 12V/AC	Internet monitoring system
Safety bumper	Manual / Automatic activation device
Emergency stop button	
Handicap button	

Note: Design and specifications are subject to change without notice, as they are based on product development.

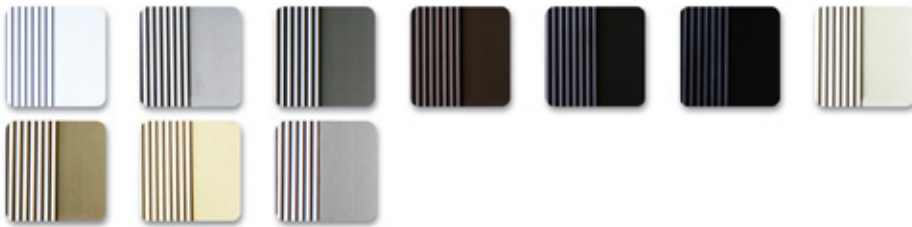


REVOLVING DOOR

SURFACE TREATMENT

Anodizing

IDC/KBB keeps the strictest and highest standards in its process. The finish of the anodized aluminum is no exception, offering more than twenty different choices of color and surface texture finishing. Other standards of this stainless material include its wear-resistance, corrosion resistance, electrostatic prevention, amongst other features to meet different architectural styles and demands.



Stainless Steel Cladding

- Mirror surface



- Satin pattern



- Hair pattern



- Carving pattern



- Arenaceous pattern



Coating

IDC/KBB provides two kinds of coating: electrostatic coating and coated by fluorin and carbon.