



KM-4001

CURVED SLIDING DOOR OPERATOR



CURVED & SEMICIRCULAR SLIDING

Esthetic and creative design combined with maximum comfort and functionality

Liberty of Design

Convex or concave shapes in any desired bending radius not only afford optimum liberty of design but also guarantee a harmonious integration into the surrounding architecture.

KIMMATIC automatic curved sliding doors are the perfect answer to providing entrance areas with a customized and aesthetically pleasing appearance. Half-circles, full circles, ovals, segments, double segments, made-to-measure and versions deriving from these variants: anything is possible.



Attractive appearance, extensive design options

Equipped with Kimmatic drive unit

KIMMATIC's arc-shaped automatic doors are equipped with Dunker motor type drive unit. The integrated drive module combined with curved hardware realizes the superiority of the arc-shaped door in terms of structural stability and driving performance.

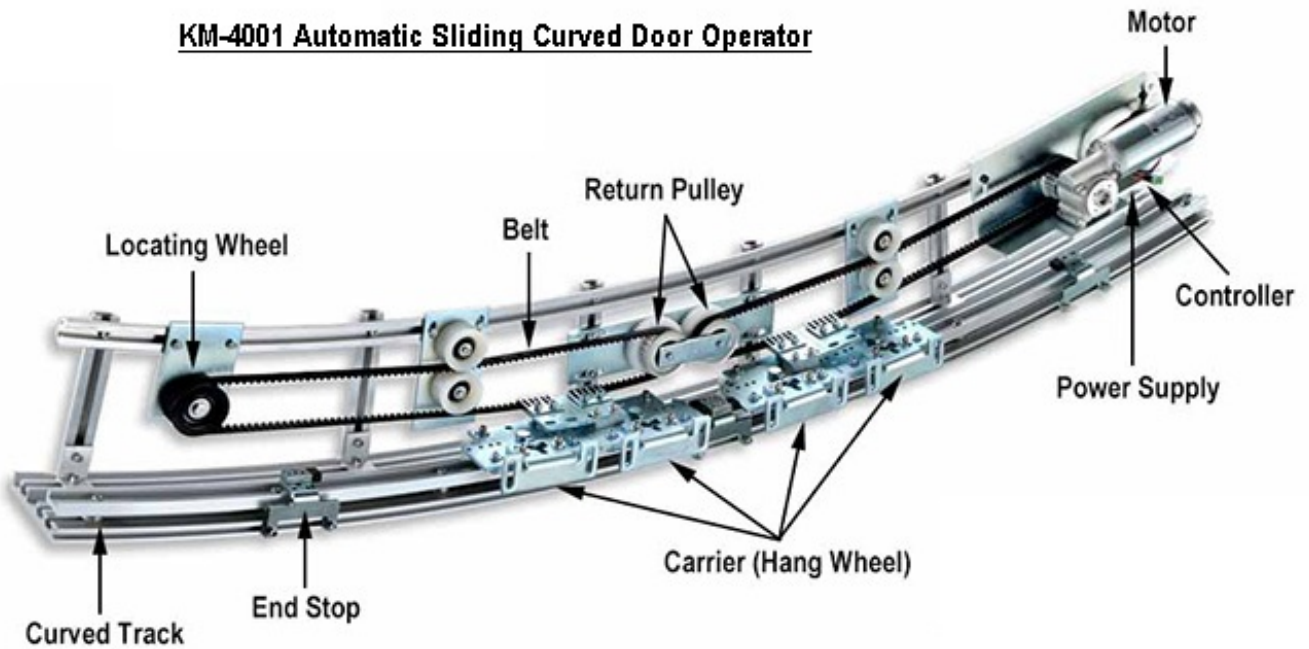
Exquisite hardware design

The design of KIMMATIC's curved door transmission structure adopts the drive mode of the synchronous wheel. Compared with the traditional direct-pull finished track, KIMMATIC's arc-shaped door track can greatly reduce the loss of the hardware during transmission, and realizes the smoothness and mute of the transmission

Functional and user-friendly

A comprehensive range of functional features and of control and safety elements, selected to match the structural situation, guarantee customer-oriented solutions.

KM-4001 Automatic Sliding Curved Door Operator



Standard component	Designation	Specification	Quantity
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Full set of hardware



INCLUDE:

Carriage	4 pcs
Belt connection	1 set
Return pulley	1 pcs
Synchronous wheel	2 pcs
Stopper	4 pcs
Driving belt	1 pcs
Track rail profile	

KM-4001 AUTOMATIC CURVED DOOR OPERATOR

Standard component	Designation	Specification	Quantity
	Dunker-type drive unit	Model :D63X-65 WORM GEAR Rated Voltage : DC 24V Power Output : 120 WATTS Rated Current : DC 5.1 A Rpm : 3350 Torque : 27 Ncm Starting Current : 34.1 A Reduction Ratio : 15:1 Protection Class :IP50 Operation Temperature :-40°C +50°C Encoder : SE20-2-12 Magnetic type DC Motor with worm gear Built in electric locking system	1pc.
	Control Board	Micro-processing type, switch mode Power supply (SMPS), obstacle detection, Self-circuit protection, built-in transformer, Self-learning program, digital screen Monitor, easy adjustment for closing And opening speed	1pc.
	Function Switch	Operating mode: Automatic, Keep open, One way, Keep closed, 70% open Key switches are supplied with an brushed aluminum or plastic faceplate, Zinc alloy die cast housing and cylinder, Bright nickel plated standard, Knob may be withdraw in each position, High reliability, Less occupied space, Easy installation and maintenance	1pc
	Combinsensor Microwave Infrared Safety Sensor	Power source voltage: 12v-24vAC+/-10%; 12v-30v DC Power source frequency: 50-60Hz Output retention time: 0.5 second Temperature range: -20°C to 55°C Protection rate: IP54 Assemble an altitude maximal: 2m-3.5m Assemble a dip angle: 90° Outer covering materials: ABS Plastic color black	2pcs

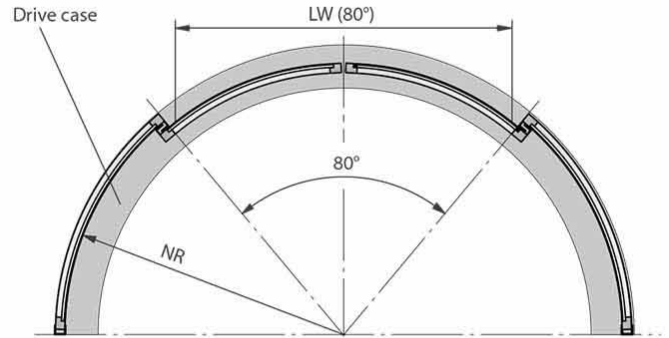


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Manufacture

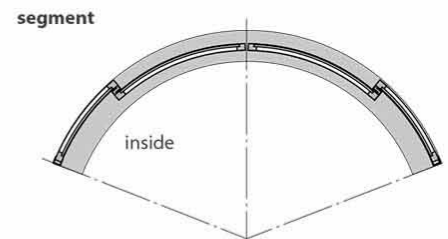
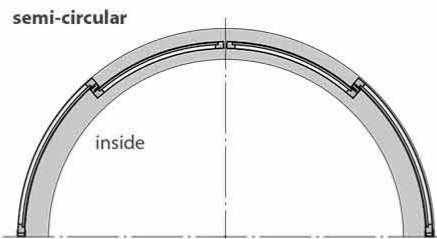
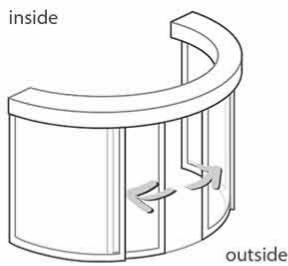
Technical specification

Ideal size

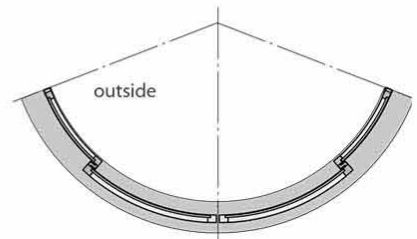
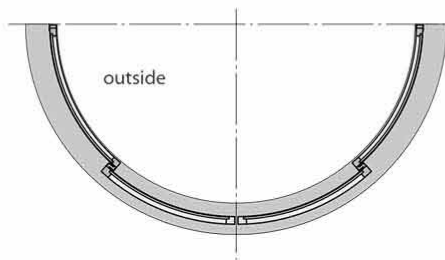
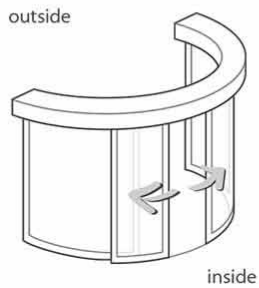
Convex		Concave	
Radius	Clear width	Radius	Clear width
NR in mm	LW in mm	NR in mm	LW in mm
1000	1200	1000	1240
1200	1450	1200	1500
1400	1720	1400	1760
1600	1980	1600	2010
1800	2240	1800	2270
2000	2500	2000	2530



Convex installation



Concave installation



Technical data

Mains power supply (from customer-supplied outlet)	230 V, 50/60 Hz, 13 A
Mains cable	length 4 m
Power consumption	100 W
Static drive power	max. 150 N
Ambient temperature	between - 15 and + 50°C

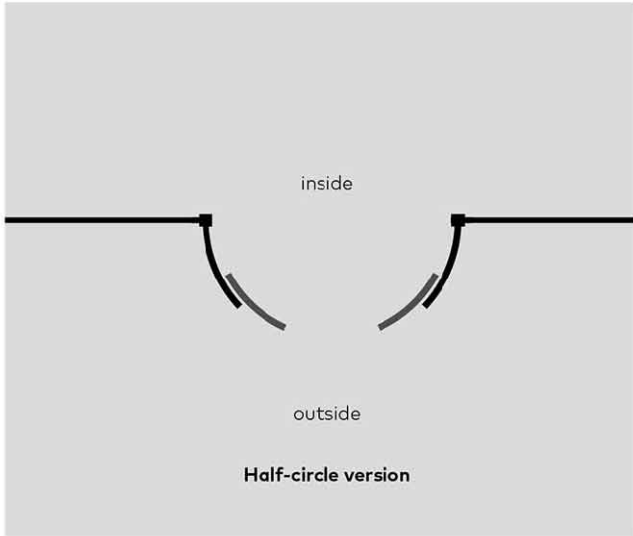
Available functions

Adjustable speed	0,5 - 0,7 m/s
Electronic control panel	yes
Auto-reverse safety mechanism	yes
Safety stopping mechanism	yes
Battery powered (24V)	
emergency mode	possible option
Locking	possible option
Central locking CLS	possible option, NR min. 1100 mm
Manual unlocking inside/outside	possible option
Any door leaf system	possible
Redundant version in emergency exits and rescue access routes	max. LW 2200 mm, min. R 1200 mm



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Basic configurations



Layout options

