

# TERAOKA AUTODOOR



Factory



Public  
hall



Hospital



Shop



Restaurant



Department  
store



Hotel



Bank



Office  
building



**The first to welcome you.**

小田急サザンビル  
Odakyu Southern Bldg.

HOTEL CENTURY  
SOUTHERN TOWER



Looking for automatic doors?  
 Then **TERAOKA** is for you.  
 Teraoka provides **autodoor** systems  
 that cordially welcome visitors.  
 We strive for "harmony" between  
 people and **automatic doors**.



Office building



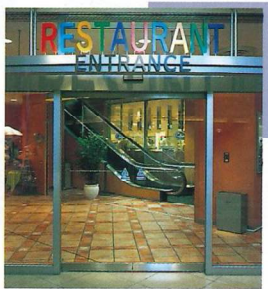
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**Why?** Teraoka Autodoor's leading-edge technology is now in the limelight. Perhaps you need an entrance that punctuates the design of a building facade. The answer--automatic doors that give a warm welcome to visitors and create a lasting first impression of the building. For the building, Teraoka's technology could also be called "technology that gives customers the royal carpet treatment." The technology is embodied in modern autodoor systems that are functionally superior, and provide amenity and high-level safety. As a leading company of automatic doors, Teraoka Autodoor continues to develop high-performance products with ever-innovative ideas. Teraoka introduces technology that fits the entrances of various structures.



Teraoka Autodoor produces ideal **amenities** for people and spaces.

A **barrier-free** concept that is common to all. Technology that produces the energy-conserving design and high-level **security** sought by the next generation.



Hospital



Resort hotel



Shopping mall



Community center



City hall



Amusement park



Apartment house



Office building



ATM booth

**What This Means** What Teraoka Autodoor proposes is to stage “a space that anyone can enter and exit with assurance.” Facing an aging society, the development of automatic doors that the elderly and disabled can enter and exit feeling safe and comfortable is something that people in Europe and America can relate to as what is commonly known as a “universal design concept.” Teraoka was among the first to tackle the “Buildings with Heart Law” that was enacted in 1994 in Japan, and has left a long list of accomplishments including entrances and hallway for structures with high public access, and sitting room doors, and automatic restroom doors. Backed by technology that focuses on amenities and peace of mind, Teraoka Autodoor proposes milieus for buildings with heart, such as public facilities, hospitals, and multi-purpose halls, as well as offices and shopping centers.













# 70KLCM

# 100KLCM

# 160KLCM

# 200KLCM

# 250KLCM

Single slide 650 -1,500mm			Bi-parting 650 -1,500mm/door leaf
Single slide 650 -1,500mm			Bi-parting 650 -1,500mm/door leaf
Single slide 650 -1,500mm			Bi-parting 650 -1,500mm/door leaf
Single slide 650 -1,500mm			Bi-parting 650 -1,500mm/door leaf
Single slide 650 -1,500mm			Bi-parting 650 -1,500mm/door leaf

## 70KLCM

Lightweight door engine employing a DC brushless motor excelling in power and low noise.

<b>Structure</b>	Pre-assembled unit, separate type
<b>Opening/closing method</b>	Single slide, bi-parting
<b>Maximum door weight</b>	70kgx1, 35kgx2
<b>Door stroke</b>	650 to 1,500mm
<b>Door speed</b>	100 to 450mm/s
<b>Stay-open timer</b>	0.3 to 9 seconds
<b>Motor</b>	DC brushless motor
<b>Power transmission</b>	Toothed belt
<b>Controller</b>	YCB-DCR
<b>Power source</b>	100VAC $\pm 10\%$ , 50 to 60Hz, 5A
<b>Power consumption</b>	0.13 kWh for 1,000 open/close cycles

## 100KLCM

Engine employing a DC brushless motor excelling in power and low noise.

<b>Structure</b>	Pre-assembled unit, separate type
<b>Opening/closing method</b>	Single slide, bi-parting
<b>Maximum door weight</b>	100kgx1, 50kgx2
<b>Door stroke</b>	650 to 1,500mm
<b>Door speed</b>	120 to 550mm/s
<b>Stay-open timer</b>	0.3 to 9 seconds
<b>Motor</b>	DC brushless motor
<b>Power transmission</b>	Toothed belt
<b>Controller</b>	YCB-DCR
<b>Power source</b>	100VAC $\pm 10\%$ , 50 to 60Hz, 5A
<b>Power consumption</b>	0.10 kWh for 1,000 open/close cycles

## 160KLCM

Engine employing a DC brushless motor excelling in power and low noise.

<b>Structure</b>	Pre-assembled unit, separate type
<b>Opening/closing method</b>	Single slide, bi-parting
<b>Maximum door weight</b>	160kgx1, 80kgx2
<b>Door stroke</b>	650 to 1,500mm
<b>Door speed</b>	120 to 550mm/s
<b>Stay-open timer</b>	0.3 to 9 seconds
<b>Motor</b>	DC brushless motor
<b>Power transmission</b>	Toothed belt
<b>Controller</b>	YCB-DCR
<b>Power source</b>	100VAC $\pm 10\%$ , 50 to 60Hz, 5A
<b>Power consumption</b>	0.13 kWh for 1,000 open/close cycles

## 200KLCM

Mid-weight door engine employing a DC brushless motor excelling in power and low noise.

<b>Structure</b>	Pre-assembled unit, separate type
<b>Opening/closing method</b>	Single slide, bi-parting
<b>Maximum door weight</b>	200kgx1, 100kgx2
<b>Door stroke</b>	650 to 1,500mm
<b>Door speed</b>	120 to 550mm/s
<b>Stay-open timer</b>	0.3 to 9 seconds
<b>Motor</b>	DC brushless motor
<b>Power transmission</b>	Toothed belt
<b>Controller</b>	YCB-DCR
<b>Power source</b>	100VAC $\pm 10\%$ , 50 to 60Hz, 8A
<b>Power consumption</b>	0.16 kWh for 1,000 open/close cycles



160KLCM



200KLCM

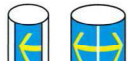
## 250KLCM

Mid-weight door engine employing a DC brushless motor excelling in power and low noise.

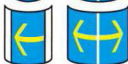
<b>Structure</b>	Pre-assembled unit, separate type
<b>Opening/closing method</b>	Single slide, bi-parting
<b>Maximum door weight</b>	250kgx1, 125kgx2
<b>Door stroke</b>	650 to 1,500mm
<b>Door speed</b>	120 to 550mm/s
<b>Stay-open timer</b>	0.3 to 9 seconds
<b>Motor</b>	DC brushless motor
<b>Power transmission</b>	Toothed belt
<b>Controller</b>	YCB-DCR
<b>Power source</b>	100VAC $\pm 10\%$ , 50 to 60Hz, 5A
<b>Power consumption</b>	0.23 kWh for 1,000 open/close cycles



R200

Single slide  
700 -1,000mmBi-parting  
700 -1,000mm/door leaf

R300

Single slide  
700 -1,200mmBi-parting  
700 -1,200mm/door leaf

1200R and 1500R whole-circle automatic doors that form a wind blocking room.  
3000R and 6000R large-radius automatic doors with a gentle curve.

## R200

Radius(R to center of door)	1200R (standard)	1500R (standard)	1500R or larger
	Half circle, whole circle		Large radius
Opening/closing method	Bi-parting		
Engine	200KDCN		
Weight	100kg×2		
Maximum door			
Width(DW)	942	928	800~1,200
Height(DH)	2,200	2,400	2,400
Clear-open width	1,668mm	1,697mm	-

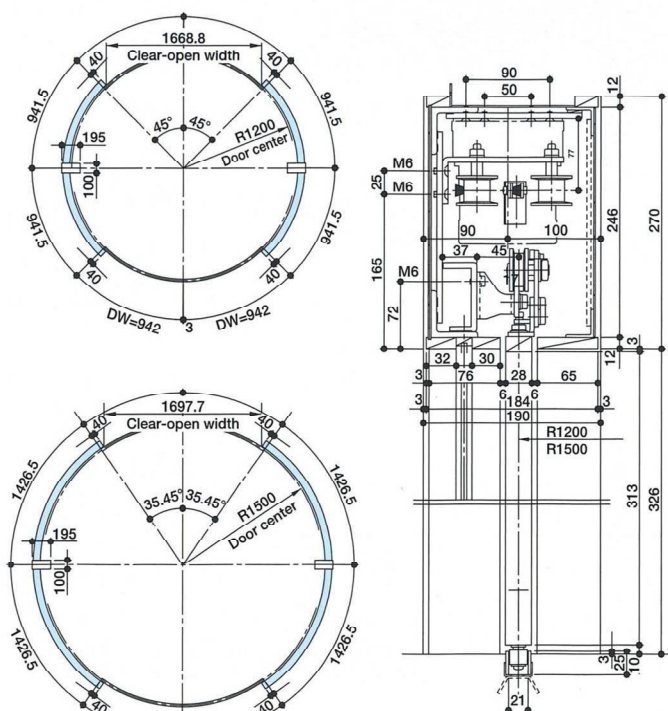
## R300

Radius(R to center of door)	1200R (standard)	1500R (standard)	1500R or larger
	Half circle, whole circle		Large radius
Opening/closing method	Bi-parting		
Engine	300KDCN		
Weight	120kg×2		
Maximum door			
Width(DW)	942	928	800~1,200
Height(DH)	2,500	2,800	2,800
Clear-open width	1,668mm	1,697mm	-



Large radius door

## Installation diagram



R200



200KDCN

Single slide  
850 -2,000mmBi-parting  
850 -2,000mm/door leaf

300KDCN

Single slide  
850 -2,000mmBi-parting  
850 -2,000mm/door leaf

400KDCN

Single slide  
850 -3,000mmBi-parting  
850 -3,000mm/door leaf

600KDCN

Single slide  
850 -3,000mmBi-parting  
850 -3,000mm/door leaf

### 200KDCN

Separate type engine equipped with a DC Brushless Motor and ideal for buildings.

Structure	Separate type
Opening/closing method	Single slide, bi-parting
Maximum door weight	200kg×1, 100kg×2
Door stroke	650 to 2,000mm
Door speed	100 to 400mm/s
Stay-open timer	0.3 to 9 seconds
Motor	DC brushless motor
Power transmission	V-belt
Controller	YCB-DRH
Power source	100VAC ±10%, 50 to 60Hz, 5A
Power consumption	0.11 kWh for 1,000 open/close cycles

### 300KDCN

A tough, high-powered engine equipped with a DC Brushless Motor and designed for large doors.

Structure	Separate type
Opening/closing method	Single slide, bi-parting
Maximum door weight	300kg×1, 150kg×2
Door stroke	850 to 2,000mm
Door speed	100 to 350mm/s
Stay-open timer	0.3 to 9 seconds
Motor	DC brushless motor
Power transmission	V-belt
Controller	YCB-DRH
Power source	100VAC ±10%, 50 to 60Hz, 5A
Power consumption	0.13 kWh for 1,000 open/close cycles

### 400KDCN

Large, heavy-duty engine that can even be used in environmental institutions such as refuse and sewage treatment plants.

Structure	Separate type
Opening/closing method	Single slide, bi-parting
Maximum door weight	400kg×1, 200kg×2
Door stroke	850 to 3,000mm
Door speed	100 to 350mm/s
Stay-open timer	0.3 to 9 seconds
Motor	DC brushless motor
Power transmission	V-belt or chain
Controller	YCB-DRH
Power source	100VAC ±10%, 50 to 60Hz, 5A
Power consumption	0.13 kWh for 1,000 open/close cycles

### 600KDCN

Large, heavy-duty, and powerful engine for industrial use.

Structure	Separate type
Opening/closing method	Single slide, bi-parting
Maximum door weight	600kg×1, 300kg×2
Door stroke	850 to 3,000mm
Door speed	100 to 280mm/s
Stay-open timer	0.3 to 9 seconds
Motor	DC brushless motor
Power transmission	V-belt or chain
Controller	YCB-DRH
Power source	100VAC ±10%, 50 to 60Hz, 5A
Power consumption	0.14 kWh for 1,000 open/close cycles



300DCN



400KDCN



HOG-900

Single swing 90°  
700 - 900mm



HOH-1000

Single swing 90°  
700 - 1,000mm



HOG-1100

Single swing 90°  
700 - 1,000mm



HB - 1100

Single swing 90°  
700 - 1,100mm



Dual swing 90°  
700 - 1,100mm/door leaf

**HOG-900** Two-types of overhead-mounted engines available: push-open type and pull-open type.

Opening/closing method	90-degree single swing
Maximum door weight	75kgx1
Applicable door width	700 to 900mm
Door speed	36 to 40 degrees/s
Stay-open timer	0.5 to 4 seconds
Motor	Induction motor/series motor
Opening mechanism	Articulated arm, slide arm
Controller	With integrated engine
Power source	100VAC ±10%, 50 to 60Hz, 5A
Power consumption	0.20 kWh for 1,000 open/close cycles

**HOH-1000** Transom-mounted engine that uses a DC motor. People-friendly, multi-functional door.

Opening/closing method	90-degree single swing
Maximum door weight	75kgx1
Applicable door width	700 to 1,000mm
Door speed	36 to 40 degrees/s
Stay-open timer	0 to 180 seconds
Motor	DC brushless motor
Opening mechanism	Slide arm
Controller	With integrated engine
Power source	100VAC ±10%, 50 to 60Hz, 5A
Power consumption	0.08 kWh for 1,000 open/close cycles

Self-closing type engine that has a built-in door closer, in addition to the HOG-900 functions.

The door can be opened and closed easily by hand, even during a power failure.

**HOG-1100**

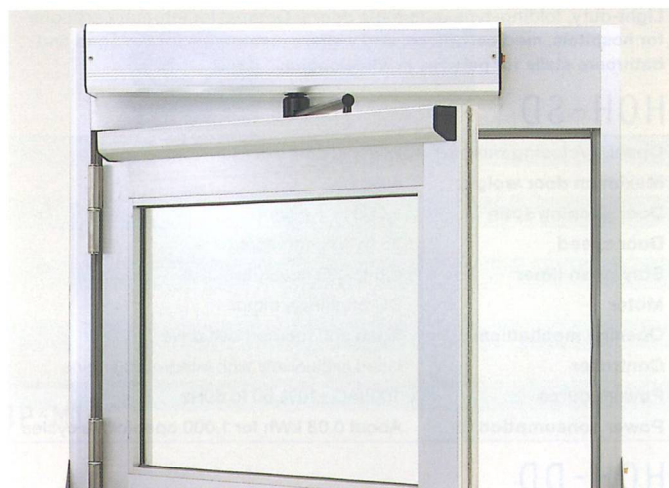
Opening/closing method	90-degree single swing
Driving method	Opening by electric, closing by door closer
Maximum door weight	75kgx1
Applicable door width	700 to 1,000mm
Door speed	35 to 38 degrees/s
Stay-open timer	0.5 to 4 seconds
Motor	Induction motor
Opening mechanism	Articulated arm, slide arm
Controller	With integrated engine
Power source	100VAC ±10%, 50 to 60Hz, 5A
Power consumption	0.14 kWh for 1,000 open/close cycles

Orthodox, built-in type engine for swing doors.

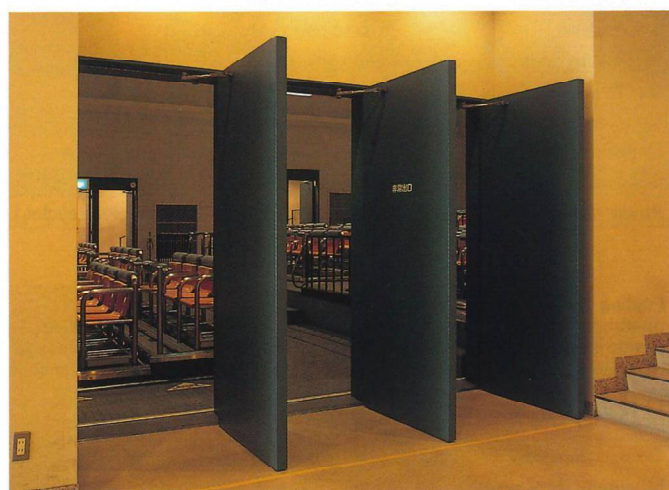
**HB-1100**

Quiet, unobtrusive installation because the engine is built in the floor.

Opening/closing method	90-degree single swing
Maximum door weight	100kgx1
Applicable door width	700 to 1,100mm
Door speed	36 to 40 degrees/s
Stay-open timer	0.5 to 4 seconds
Motor	Series motor
Opening mechanism	Built-in floor arm
Controller	YCB-5S
Power source	100VAC ±10%, 50 to 60Hz, 5A
Power consumption	0.18 kWh for 1,000 open/close cycles



HOH-1000







HOG-1100



HB-1100



HOH - SD	1,000 - 1,400mm		2-leaf folding doors
HOH - DD	1,400 - 2,200mm		4-leaf folding doors
HB - SD	850 - 1,500mm		2-leaf folding doors
HB - DD	1,250 - 2,200mm		4-leaf folding doors

Light-duty, folding-type automatic doors. Optimal for internal partitions for hospitals, medical offices, and welfare institutions for the aged and bathroom stalls for persons in wheelchairs.

## HOH-SD

Opening/closing method	2-leaf folding doors
Maximum door weight	40kg×2
Door opening span	1,000 to 1,400mm
Door speed	35 to 40 degrees/s
Stay-open timer	0.5 to 180 seconds
Motor	DC brushless motor
Opening mechanism	Shaft and toothed belt drive
Controller	Used exclusively with integrated engine
Power source	100VAC ±10%, 50 to 60Hz
Power consumption	About 0.08 kWh for 1,000 open/close cycles

## HOH-DD

Opening/closing method	4-leaf folding doors
Maximum door weight	30kg×4
Door opening span	1,400 to 2,200mm
Door speed	35 to 40 degrees/s
Stay-open timer	0.5 to 180 seconds
Motor	DC brushless motor
Opening mechanism	Shaft and toothed chain drive
Controller	Used exclusively with integrated engine
Power source	100VAC ±10%, 50 to 60Hz
Power consumption	About 0.08 kWh for 1,000 open/close cycles

Folding-type doors that are ideal for use as partitions in hospital operating rooms and hallways. Since they do not require a door pocket, a wide clear-open width can be secured. They also allow smooth passage of stretchers and wheelchairs because there are no guide rails on the floor.

## HB-SD

Opening/closing method	2-leaf folding doors
Maximum door weight	80kg×2
Door opening span	850 to 1,500mm
Door speed	30 degrees/s (adjustable between 40 -100%)
Stay-open timer	0.3 to 9 seconds
Motor	DC brushless motor
Opening mechanism	Shaft drive & chain conveyance
Controller	YCB-DRH-3SWG
Power source	100VAC ±10%, 50 to 60Hz, 5A
Power consumption	About 0.06 kWh for 1,000 open/close cycles

## HB-DD

Opening/closing method	4-leaf folding doors
Maximum door weight	50kg×4
Door opening span	1,250 to 2,200mm
Door speed	30 degrees/s (adjustable between 40 -100%)
Stay-open timer	0.3 to 9 seconds
Motor	DC brushless motor
Opening mechanism	Shaft drive & chain conveyance
Controller	YCB-DRH-3SWG
Power source	100VAC ±10%, 50 to 60Hz, 5A
Power consumption	About 0.06 kWh for 1,000 open/close cycles



HOH-SD



HB-DD







**Manufactured By**

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