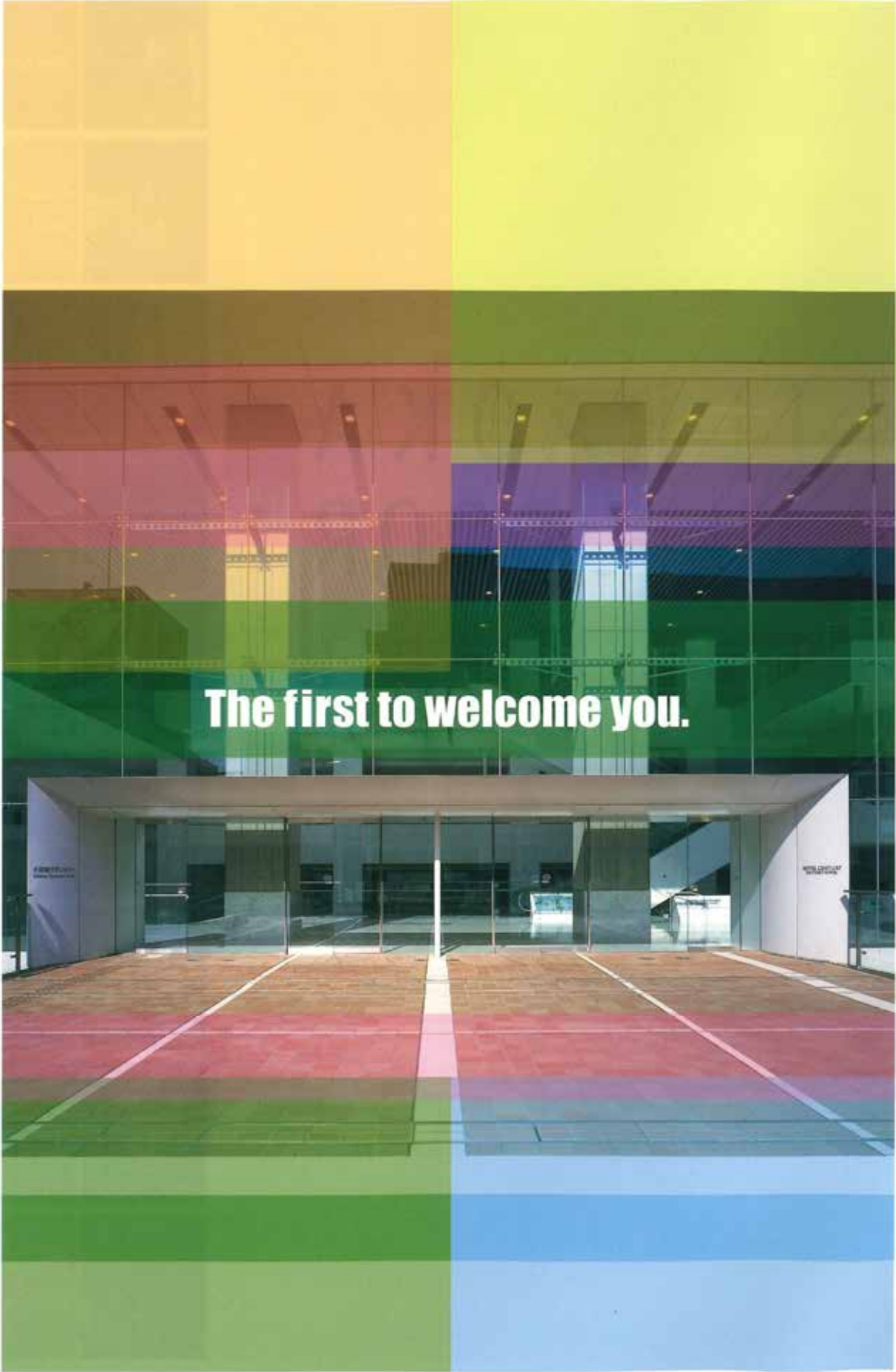


TERAOKA AUTODOOR





The first to welcome you.

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



Bank



Hotel



Department store



Restaurant



Shop



Hospital



Public hall



Factory

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



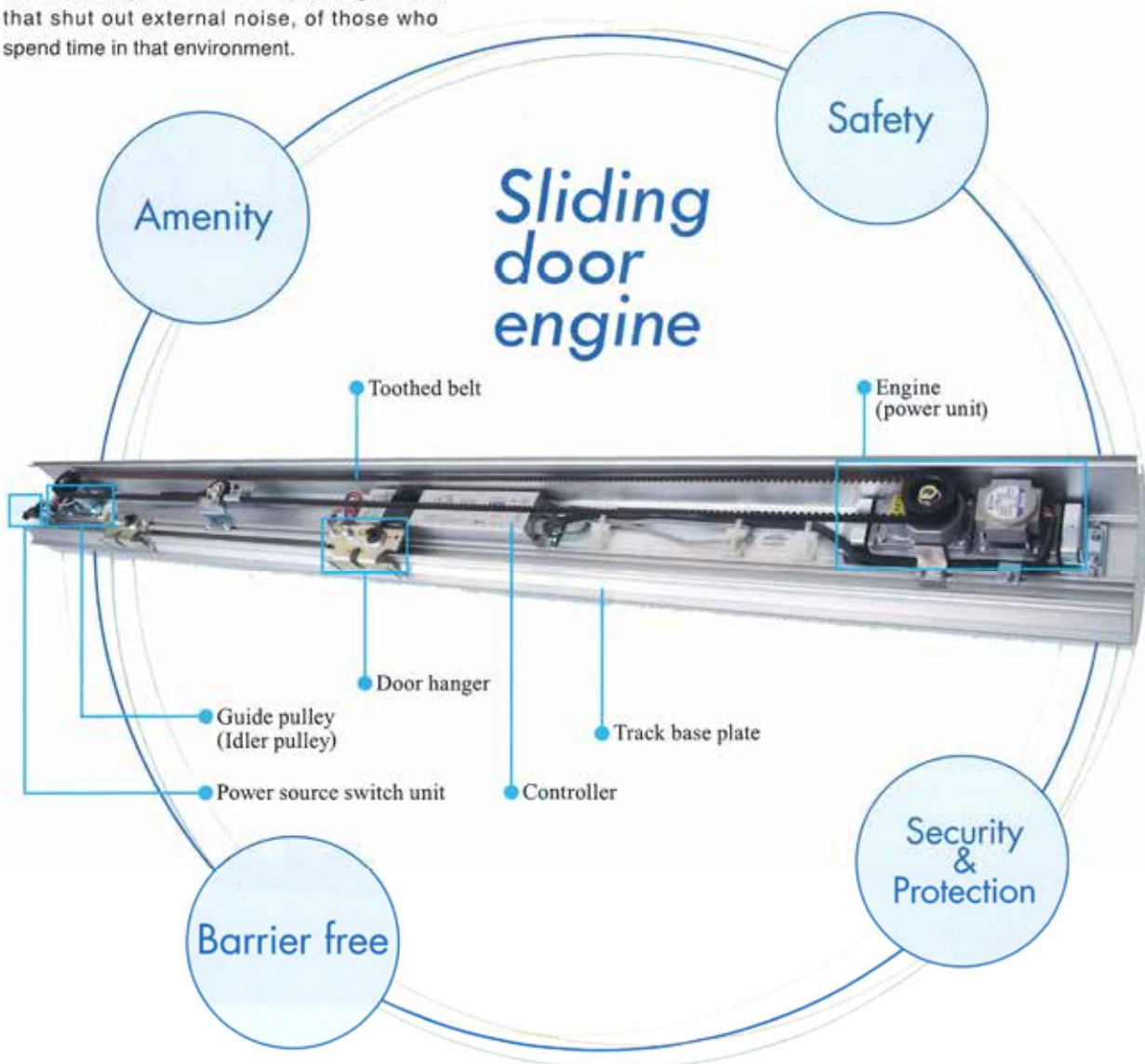
ATM booth

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.

4 Themes Behind Teraoka's Technology









The basic convenience of automatic doors is that they provide people with "smooth passage anytime" within buildings. At the same time, by keeping the space airtight, automatic doors also play an important role in maintaining the amenities, such as the air conditioning effects of the building and the sound-proofing effects that shut out external noise, of those who spend time in that environment.

The safety of automatic doors, as they become popularized, has been set as one of the important themes. At Teraoka, our goal is to develop "friendly automatic doors that anyone can pass through without any worries." This applies to elderly persons, disabled persons, children, and of course, general persons. We are actively promoting the development of high-performance drive units and sensors.



The idea of creating various social buildings, starting with public facilities, so that "anyone can use them without hindrance" is becoming widespread. In keeping with the "barrier-free" theme, Teraoka recommends the use of toilet systems for persons in wheelchairs, rail tight systems that eliminate differences in floor surface levels, and safety glass doors, all of which were developed from open-close control technologies for automatic doors.

The first step in preventing crimes resulting from building breakins is "to shut out suspicious persons." At Teraoka, we install electric locks on automatic doors, in combination with 10-key switches, TV monitors, card readers, and other devices, and propose security systems for office building and store doorways and internal living rooms. We also pay attention to protection by developing "special fire-prevention equipment" and "earthquake detectors" for emergencies such as fires and earthquakes.

70KLCM	Single slide 650 -1,500mm			Bi-parting 650 -1,500mm/door leaf
100KLCM	Single slide 650 -1,500mm			Bi-parting 650 -1,500mm/door leaf
160KLCM	Single slide 650 -1,500mm			Bi-parting 650 -1,500mm/door leaf
200KLCM	Single slide 650 -1,500mm			Bi-parting 650 -1,500mm/door leaf
250KLCM	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.

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

100KLCM

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

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

160KLCM

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

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

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

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

R200 Single slide 700-1,000mm   Bi-parting 700-1,000mm/door leaf

R300 Single slide 700-1,200mm   Bi-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	100kgx2		
Maximum door Width(DW)	942	928	800~1,200
Maximum door Height(DH)	2,200	2,400	2,400
Clear-open width	1,668mm	1,697mm	-

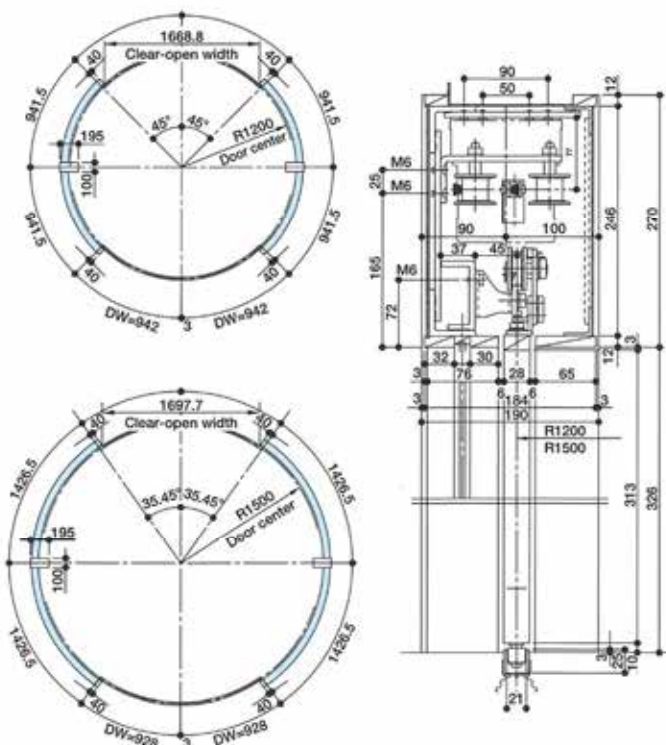
R300

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	120kgx2		
Maximum door Width(DW)	942	928	800~1,200
Maximum door 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 -2,000mm		Bi-parting 850 -2,000mm/door leaf
300KDCN	Single slide 850 -2,000mm		Bi-parting 850 -2,000mm/door leaf
400KDCN	Single slide 850 -3,000mm		Bi-parting 850 -3,000mm/door leaf
600KDCN	Single slide 850 -3,000mm		Bi-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-partingng
Maximum door weight	200kgx1, 100kgx2
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 \pm 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	300kgx1, 150kgx2
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 \pm 10%, 50 to 60Hz, 5A
Power consumption	0.13 kWh for 1,000 open/close cycles



300DCN

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	400kgx1, 200kgx2
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 \pm 10%, 50 to 60Hz, 5A
Power consumption	0.13 kWh for 1,000 open/close cycles








400KDCN

600KDCN

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

Structure	Separate type
Opening/closing method	Single slide, bi-parting
Maximum door weight	600kgx1, 300kgx2
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 \pm 10%, 50 to 60Hz, 5A
Power consumption	0.14 kWh for 1,000 open/close cycles

- 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

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



HOG-1100

HOG-1100 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.

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



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



HOH-SD



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



HB-DD



Electric Locks Emergency Power Supply Device

Electric Locks

Electromagnetic brake

BP-M10C

- The door is locked by an electromagnet that is built into the drive mechanism.
- The quiet operating noise makes this model ideal for entrance management in condominiums.



BP-M10C

Unlocked type on power failure

EL-7SN/6S

- If a power failure occurs, a spring releases the lock and allows the door to be opened manually in an emergency.
- A small, powerful solenoid ensures operation.
- This lock has compact outer dimensions and can be installed in an aluminum front.



EL-6S



EL-7SN2C

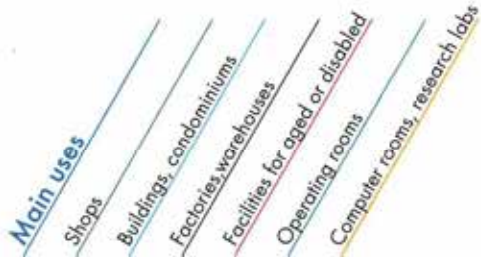
Emergency Power Supply Device

KD-5C/KD-5CL

- [KD-5C/KD-5CL] is an emergency power supply device that can be used to ensure that automatic doors are still able to open/close during power outages.
- In addition, this device also turns on the [power outage door-release signal output] (contact output) when a power outage occurs.
- The [power outage door-release signal output] can be appropriately connected to the controller for the automatic door to enable the user to configure the system to automatically maintain the door in a released state during power outages (the panic-open configuration).



KD-5CL



Product name	●	●	●	●	●	●
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Sensor Types

Active infrared sensor	●	●	●	●	●	● (inside)
Passive infrared sensor	●	●		●		● (inside)
Microwave switch	●	●	●	●		● (inside)



OA-203C(BL)



OA-203C(S)

Air Slide Type

Detection method (Active infrared reflection)	●	●			●	● (inside)
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- Active Infrared Door Sensor with Built-in Touchless Switch.
- This sensor does not detect pedestrians walking across.



OAT-3V



Auxiliary Sensor Types

Auxiliary photo cell switch	●	●	●	●	●	●
Ultrasonic switch	●	●		●		
Edge sensor	●	●		●		



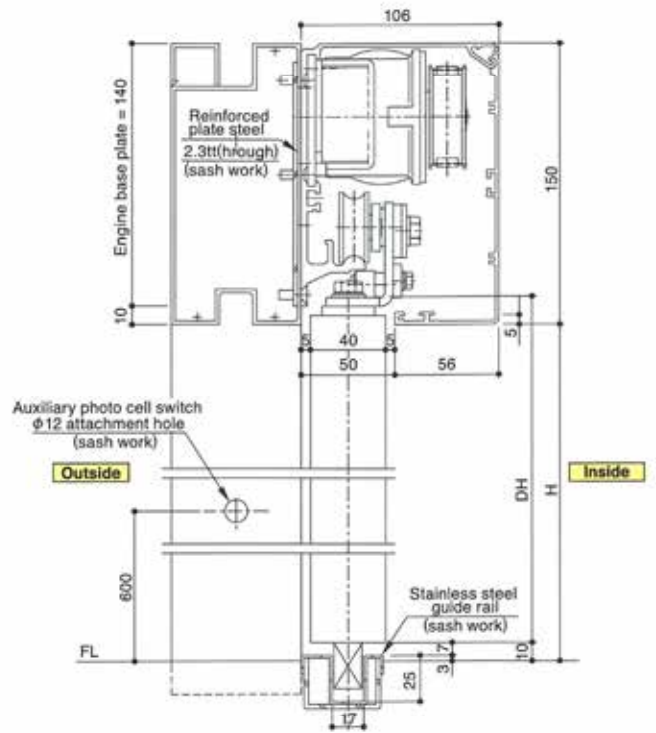
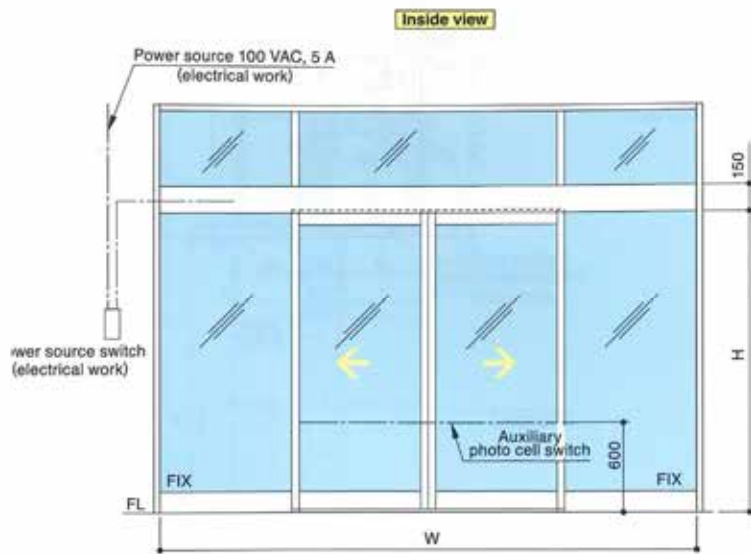
OS_10P



OS-12C

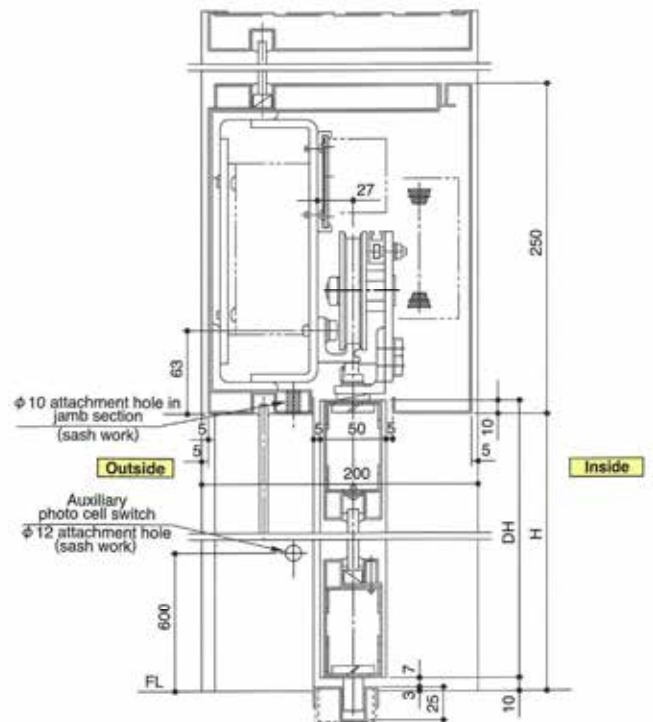
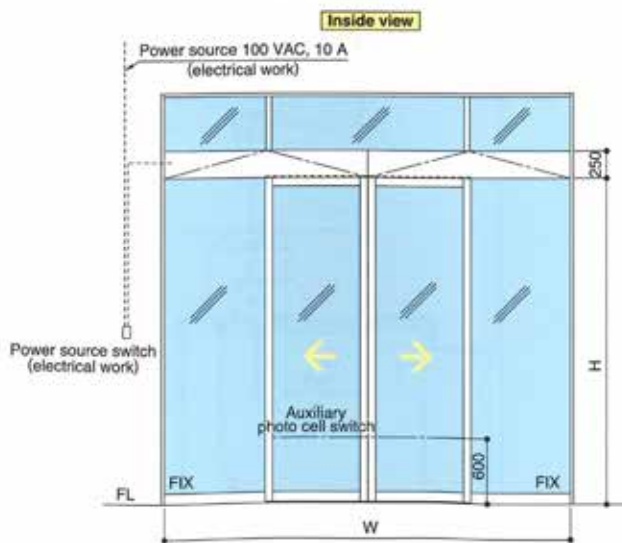
160KLCM

surface mounting type D, surface mounting type D



300KDCN

Installation of large bi-parting

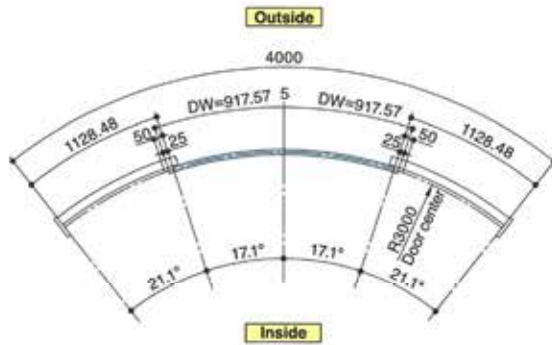
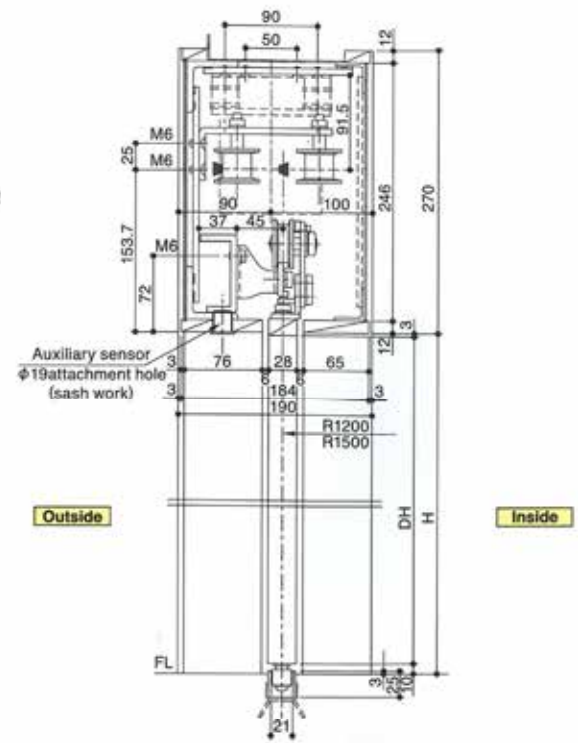
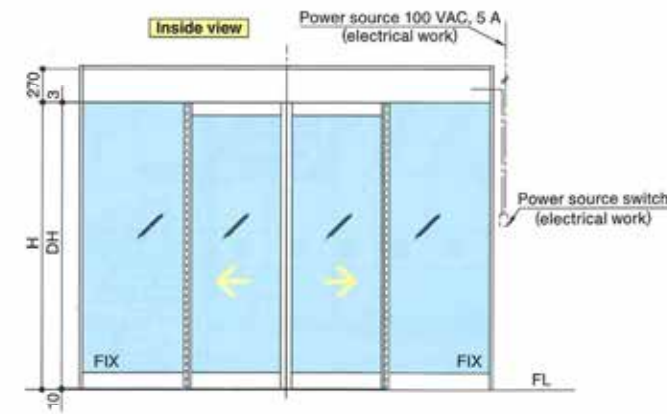


R200

large radius

R300

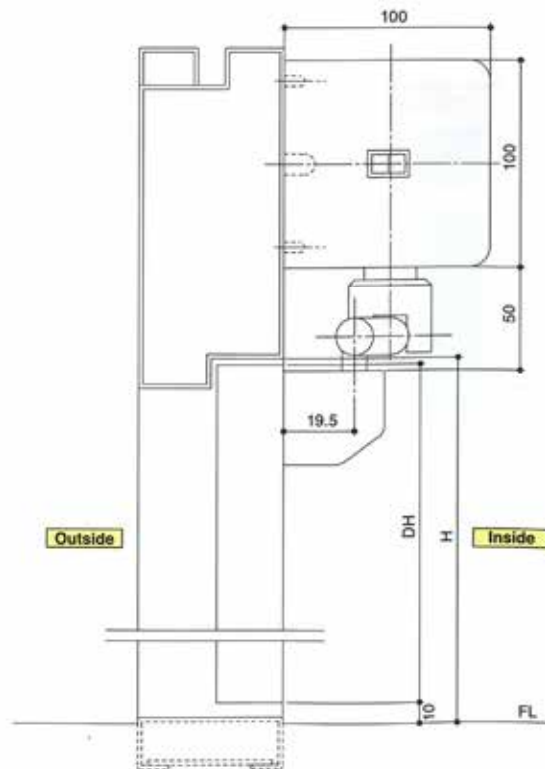
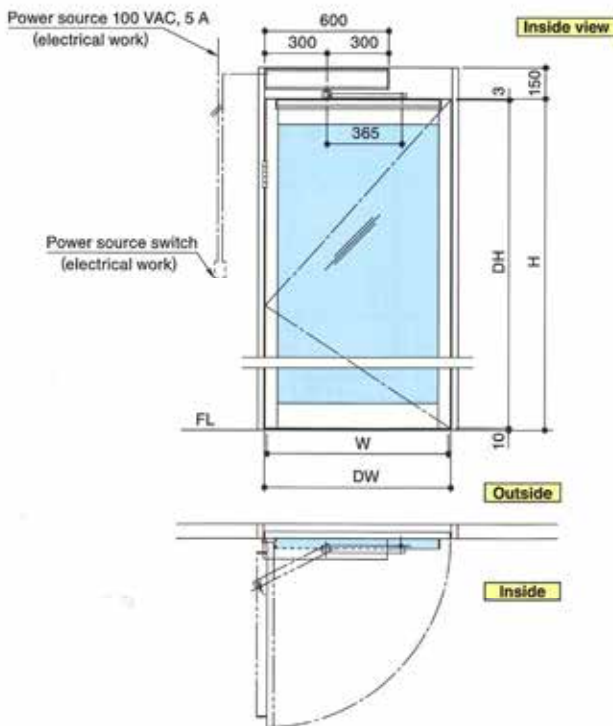
large radius



Swing Doors

Installation Diagrams

H0H-1000





Manufactured By

TERAOKA AUTODOOR INC.

Contact us for more information

2-38-5, Chidori, Ota-ku, Tokyo 146-0083 Japan

TEL.81-3-3756-3739

FAX.81-3-3756-6709

<http://www.teraoka-autodoor.co.jp/en/english/html>

E-mail:export@entrard.co.jp

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