



**MITSUBISHI
ELECTRIC**

ESCALATORS

Change for the Better

*Quality
in Motion*

Service  From 1901, 1000, 1500
Approved to JIS / ASME / EN



SERIES J ESCALATORS ENHANCING FUNCTIONAL BEAUTY

Moving Handrails Appear to Glide Through Space

The stainless-steel handrails at the base of Type JS-SE moving handrails achieve a level of superelegant elegance. They are so compact that, to passengers and observers as well, the moving handrails seem to glide above the glass panels. This results in a sense of elegant, floating beauty.

Streamlined Elegance

Long-lasting stainless-steel with a gleaming hairline finish is used for the deckboards, adding to the streamlined effect.

Flowing Transparent Beauty

The increased size of the glass panels means fewer seams, enhancing the impression of flowing transparency.



Open-Move
• Most recessed glass panels

Type JS-SE



Most handrail cover of Corus steel by yellow
• Glass over the top side of Corus on picture has
most to offer.

Ultra-Refined Color Coordination

Numerous colors available for moving handrails and colored glass panels (optional) create a multi-faceted moving space. Our artist's palette has also re-colored the steps, deckboard combs, and floorplates of these exciting escalators. Eliminating the mechanical look while creating a mood of architectural refinement.

Highly Durable Stainless-Steel Floorplates with a Pressed Pattern

The newly designed floorplates draw attention with their light-bearing, durable pressed pattern.



*Superelegant Balustrades
of Glass Panels*

ILLUMINATED ELEGANCE OR ROBUST BEAUTY



Option Glass
• Best reinforced glass panel
• Safe handrail

Type JS-LE

*Glass-Panel Balustrades
with Illuminations*

Note: This type is not applicable to HOME LIT 1 rails.



Note: Standard color of Corrosion Resistant
Please note that the color of Corrosion Resistant
would be different.

Type JP-E

*Robust Balustrades of
Stainless Steel*

SAFETY AT THE HIGHEST LEVEL

View photos of all pages 19-22 for BME 407-1 and BME 407-2

Series J escalators give the highest priority to safety and dependable service. A key concept in their design is detailed, full-range consideration for passenger's well-being.



- **Anti-Slip Floorplates**
The long-lasting, non-slip floorplates have been proved with a new and innovative process that inhibits slipping by passengers.

- **Step-Chain Safety Device**
If the step chain becomes too long or breaks, this device stops the escalator.

- **Emergency-Stop Button**
When this button is pushed, the escalator will stop immediately.

- **Skirt-Guard Safety Switch (Optional)**
If a shoe or other item gets caught between a step and a skirt guard, this device stops the escalator.

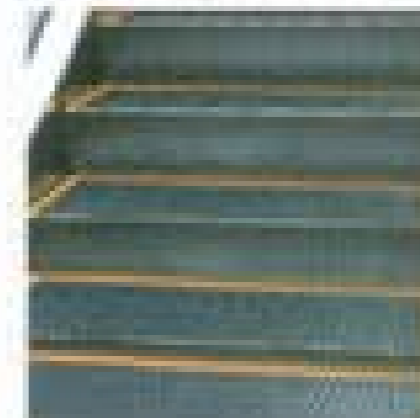
- **Drive-Chain Safety Device**
If the drive chain breaks, this device stops motor operation, and the main drive contact stops step movement.

- **Escalator Speed Governor**
Mounted on the input shaft of the drive machine, this governor stops the escalator if it begins to move too fast or too slow. It also prevents reversing the escalator's direction.

- **Low-Coefficient Friction on Skirt Guards (Optional)**
This permanent coating makes the skirt guards slippery, thereby eliminating the need for manually applied silicone sprays.

- **Yellow Demarcation Corners and Cleats**
A yellow demarcation corner at the rear edge and yellow cleats on both sides make clear definition of each step very easy. These measures make boarding the escalator easier and safer.

- **Index Guards**
These guards, formed of flexible rubber, inhibit fingers from being drawn inside by the movement of the handrail, making the escalator safer for children.



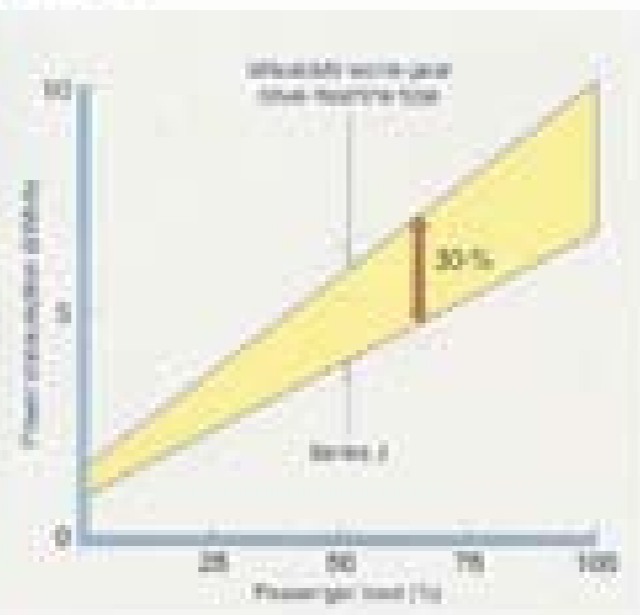
TOP-CLASS POWER AND SPACE SAVINGS

SPECIFICATIONS

View photos right on page 444 (2 for 4440-4471) and 474-475 side.

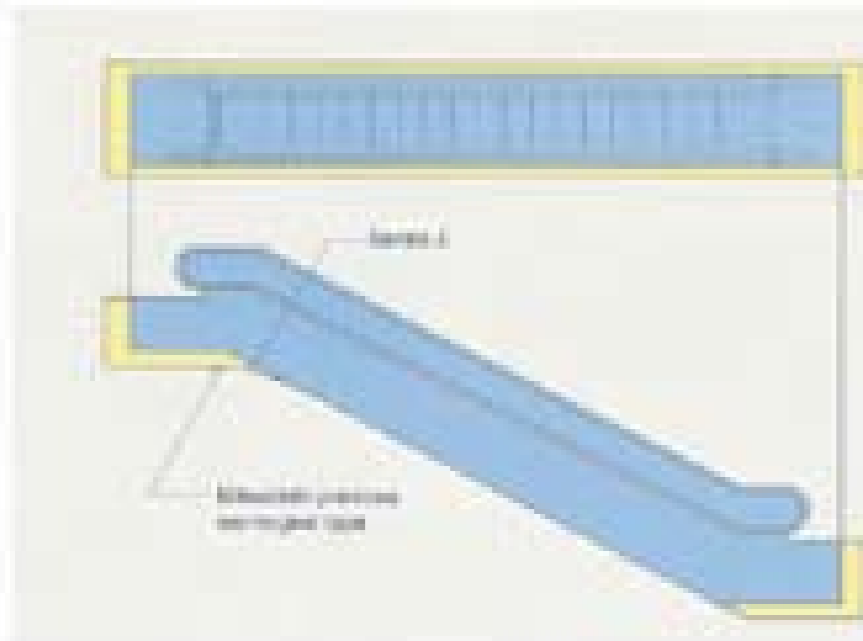
30% POWER SAVING

A highly efficient helical-gear drive machine, lower-type handrail-drive system that significantly cuts friction losses, and other improvements result in power savings of a full 30%.



MORE THAN 10% SPACE SAVING

Thanks to highly compact trusses and drive machines, Series J escalators realize space savings of more than 10%. The trusses, starting higher rightily, can now be as high as six meters, thus eliminating space-wasting intermediate support beams.



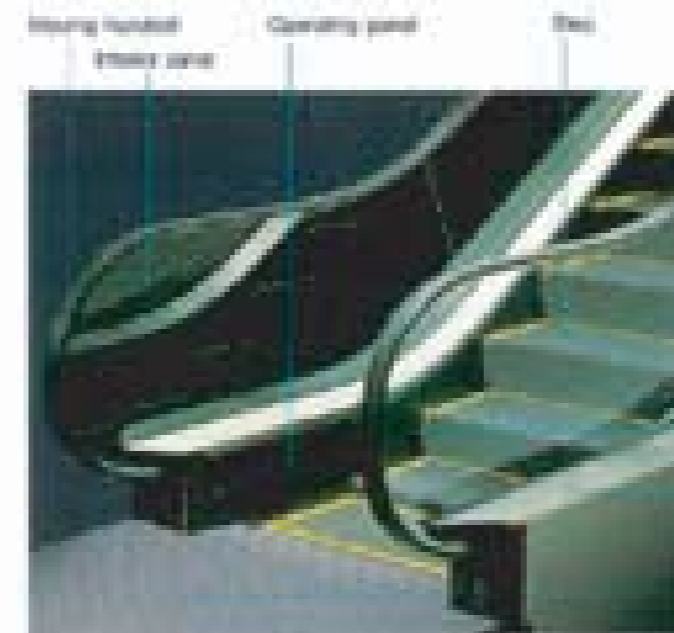
- Savings with 60° inclination angle (compared with Mitsubishi standard type)

Length (meters)	27.0m
Width (meters)	1.20m
Total space (m ²)	32.40m ²

Height of a set of 60°

- Space saved there with the 60° inclination angle type (compared to 45° type)

Set	45°	60°
Length (meters)	1.8m	1.8m
Total space (m ²)	3.24m ²	3.24m ²



Standard Specifications

Type	60°	45°	30°
Width of standard type	1100	1100	1100
Width (without handrails)	800 (850)	800 (850)	800 (850)
Width (without handrails and gear)	570	570	570
Width (without handrails and gear) (2000)	700	700	700
Height (without handrails and gear)	1000	1000	1000
Capacity	10	10	10
Rated speed	0.50m/s	0.50m/s	0.50m/s
Maximum rise per set	30.00m (30.00m)	30.00m (30.00m)	30.00m (30.00m)
Power supply	AC 3-phase, 3-wire, 300V	AC 3-phase, 3-wire, 300V	AC 3-phase, 3-wire, 300V
Substructure	AC 3-wire, 3-phase, 300V, 50/60Hz	AC 3-wire, 3-phase, 300V, 50/60Hz	AC 3-wire, 3-phase, 300V, 50/60Hz

Note: (1) The actual value of capacity may differ slightly owing to loading conditions.

- Main parts (shown in blue) are not included in price.
- Deck board
- Truss

Note: Standard color of Deck board is yellow. Please note that the color of Deck board may vary from model to model.

Available Finishes

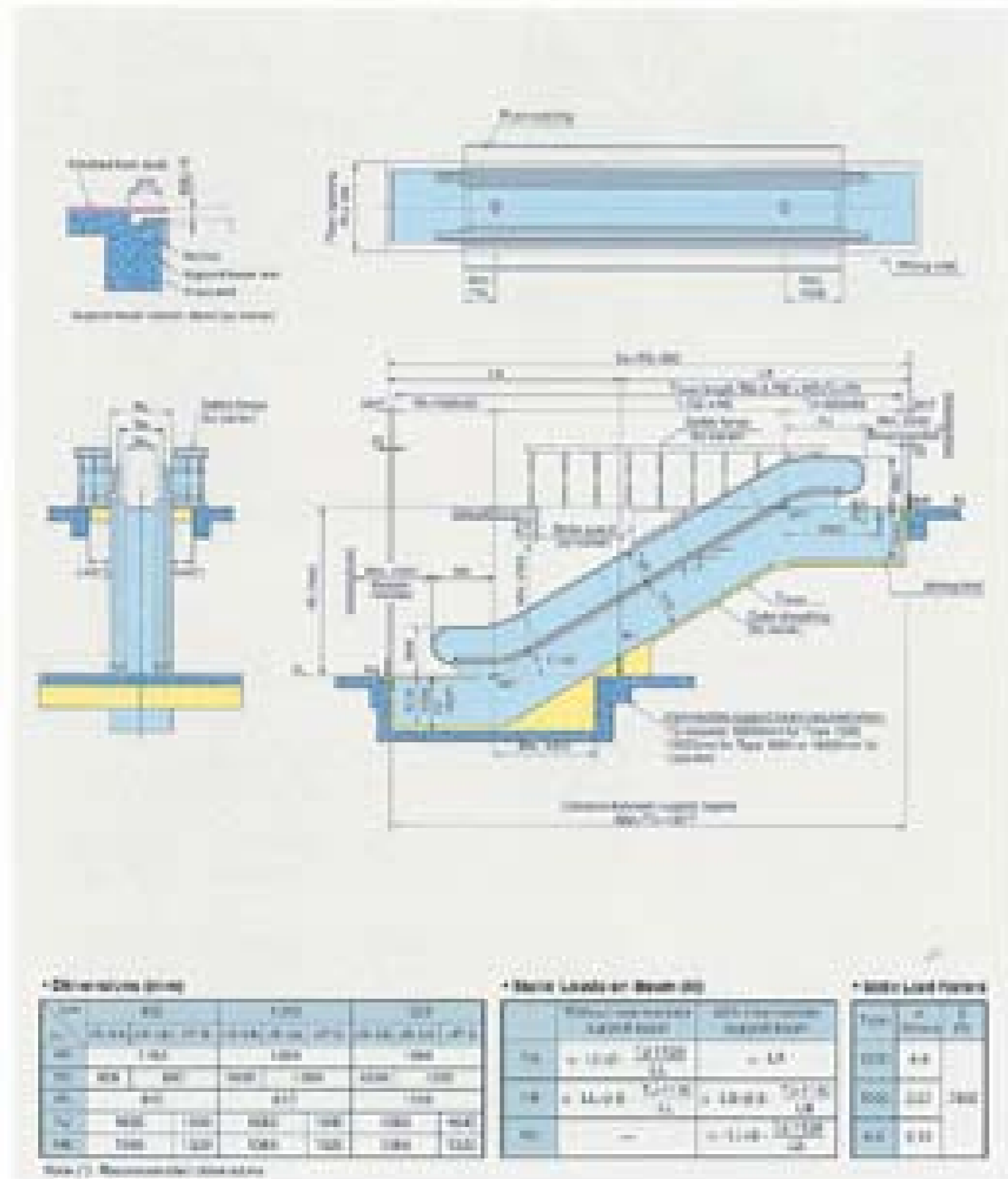
Item	Type	JD-011A/02	JD-011B	JD-011C
Handrail	Standard	Vertical, flat, including the handrail guide panels	Vertical, flat, including the handrail guide panels	Vertical, flat, including the handrail guide panels
		Vertical, flat, including the handrail guide panels	Vertical, flat, including the handrail guide panels	Vertical, flat, including the handrail guide panels
	Option	Vertical, flat, including the handrail guide panels	Vertical, flat, including the handrail guide panels	Vertical, flat, including the handrail guide panels
		Vertical, flat, including the handrail guide panels	Vertical, flat, including the handrail guide panels	Vertical, flat, including the handrail guide panels
Truss	Standard	Vertical, flat, including the handrail guide panels	Vertical, flat, including the handrail guide panels	Vertical, flat, including the handrail guide panels
		Vertical, flat, including the handrail guide panels	Vertical, flat, including the handrail guide panels	Vertical, flat, including the handrail guide panels
	Option	Vertical, flat, including the handrail guide panels	Vertical, flat, including the handrail guide panels	Vertical, flat, including the handrail guide panels
		Vertical, flat, including the handrail guide panels	Vertical, flat, including the handrail guide panels	Vertical, flat, including the handrail guide panels
Main frame	Standard	Black	Black	Black
		Black	Black	Black
		Black	Black	Black
		Black	Black	Black
	Option	Black	Black	Black
		Black	Black	Black
		Black	Black	Black
		Black	Black	Black
	Option	Black	Black	Black
		Black	Black	Black
		Black	Black	Black
		Black	Black	Black
Option	Black	Black	Black	
	Black	Black	Black	
	Black	Black	Black	
	Black	Black	Black	
Option	Black	Black	Black	
	Black	Black	Black	
	Black	Black	Black	
	Black	Black	Black	

Note: (1) The actual color of materials may differ slightly owing to lighting conditions. (2) Standard for U.S.A. market only.

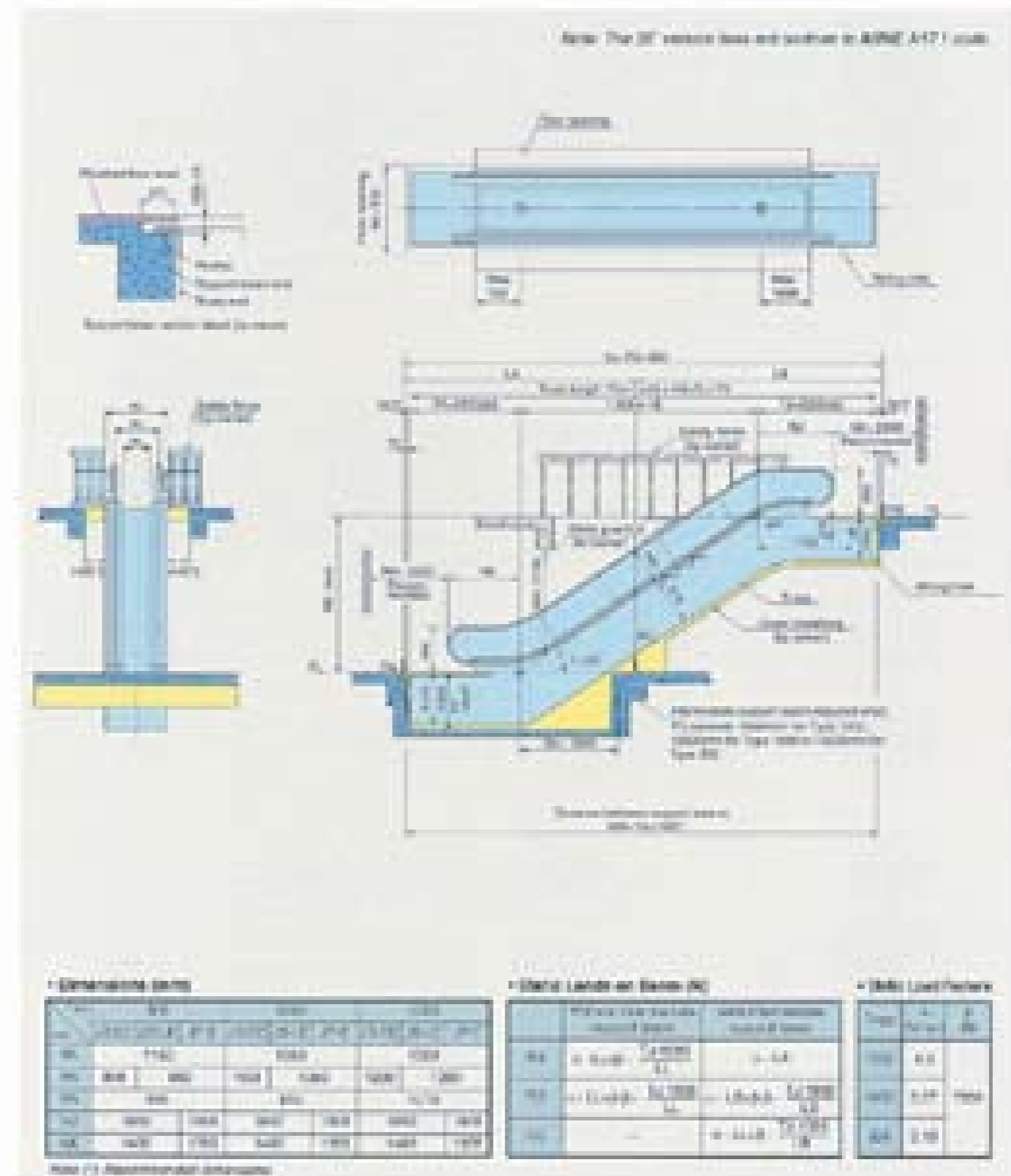
STANDARD INSTALLATIONS

More flow info on pages 104, 112 for A100 A11, 1 and 101 A11 models.

30° INCLINATION ANGLE



35° INCLINATION ANGLE



APPLICABLE TO EN 115 CODE

Standard Specifications

Type	100			150			200		
	240°	240°	240°	240°	240°	240°	240°	240°	240°
With automatic emergency stop	180			180			180		
Carrying capacity (person/step)	400			500			600		
Sound (dB)	60								
Foot area (cm ²)	80 / 80								
Maximum rise (mm)	800 (240°) - 800 (240°)								
Front safety	No, 1 guard, No or 2 guard								
Lighting (mm)	No single step, No or 2 steps								
Number of steps	Refer to page 7								

Notes: 1. 240° Glass panel balustrade without floorplates
 2. 240° Balustrade balustrade of glass panels
 3. 240° Glass panel balustrade with floorplates
 4. 240° Vertical balustrade of stainless steel panels

Standard Safety Features

<ul style="list-style-type: none"> • Key operated start switches with fuses • Emergency stop button • Speed governor • (Deceleration governor) • Broken staircase device • (Staircase safety switch) • Electrical safety brake • Broken drive shaft device • (Drive shaft safety switch) 	<ul style="list-style-type: none"> • Manual stop device • (Staircase safety governor) • Stop limit device • Manual entry device (stop guard) • Control safety device • Drivably stopper • Yellow illuminated work and stand • Overload protection • Low speed limit (in 240 degree)
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Notes: 1. The features listed above comply to EN 115
 2. Please refer to pages 6 & 7 for the features included with option

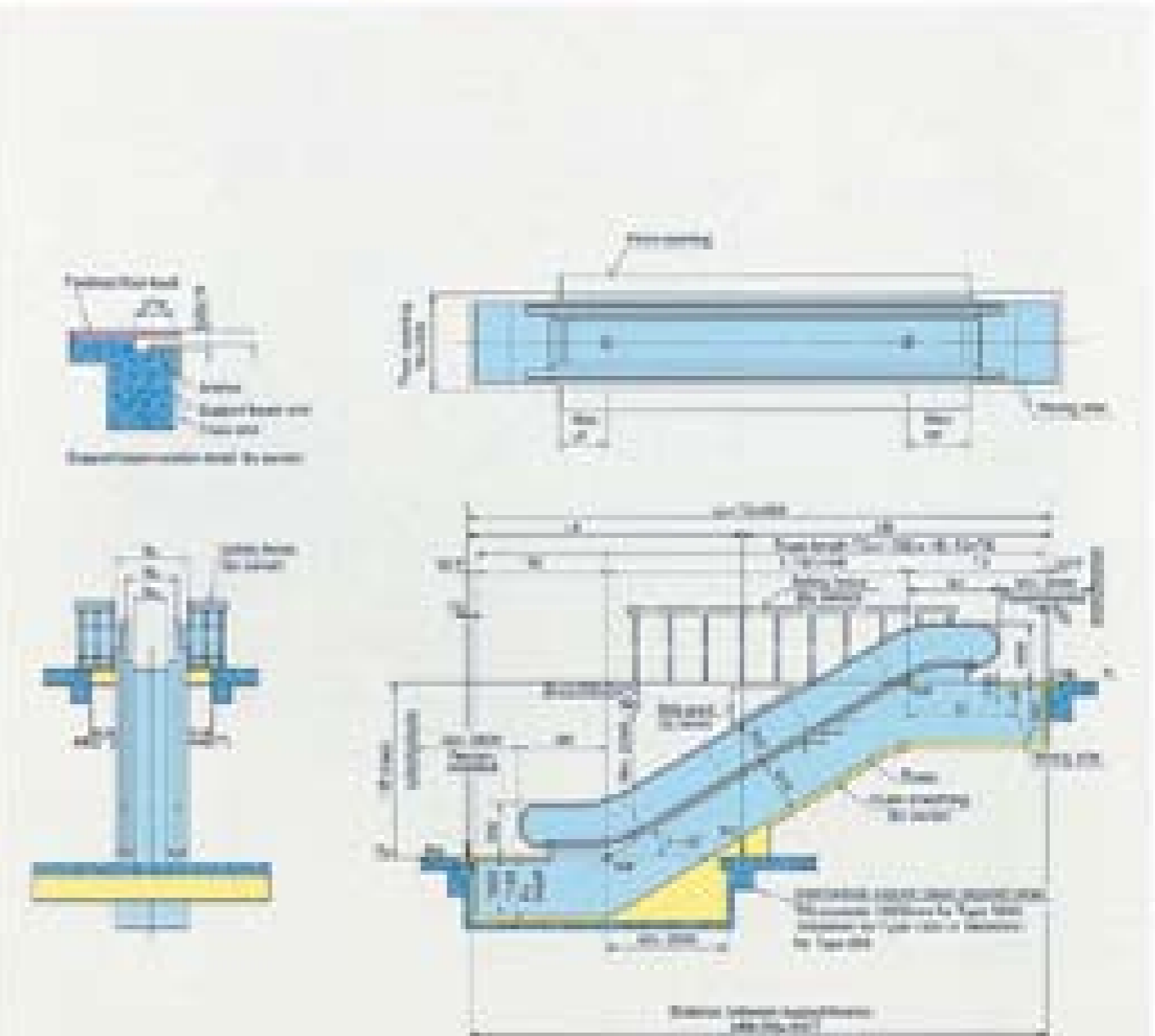
Dimensions (mm)

30° inclination angle. Type 100 is suitable for public service

Type	R	100			150			200		
		240°	240°	240°	240°	240°	240°	240°	240°	240°
width (mm)	60	170			190			210		
maximum height (mm)	60	800	800	800	800	800	800	800	800	
total width (mm)	60	210			230			250		
Length of landing (mm) and step (mm) (max. 12° & 10°)	60	1000	1170	1340	1000	1170	1340	1000	1170	
	80	1000	1000	1000	1000	1000	1000	1000	1000	
	70	1000 (900)			1000 (900)			1000		
	10	1000			1000			1000		
	12	1100			1200			1300		
Length of landing (mm) and step (mm) (max. 12° & 10°)	60	1000	1170	1340	1000	1170	1340	1000	1170	
	80	1000	1000	1000	1000	1000	1000	1000	1000	
	70	1000			1000			1000		
	10	1000			1000			1000		
	12	1100			1200			1300		

Notes: 1. The dimension (R) is rounded when safety is not required

30° INCLINATION ANGLE



1 Maximum Loads on Stair (kg)

Type	With glass balustrade (max. 12°)	With handrails (max. 12°)
100	$0.5 \times 1000 \times \frac{1}{1.1}$	0.50
150	$0.5 \times 1500 \times \frac{1}{1.1}$	$0.5 \times 1500 \times \frac{1}{1.1}$
200	—	$0.5 \times 2000 \times \frac{1}{1.1}$

2 Maximum Load Factors

Type	100	150	200
100	0.4	—	—
150	0.4	max	100, 150 & 200
200	—	—	100, 150 & 200

Notes: 1. Recommended step

