VDMIL

VDMIL GROUP INDIA

Model No: 8000 E&T

Elevator

Home Lift

Escalator

Modernization

Maintenance

Customized Elevator

High Speed Elevator

Contact Us : VDMIL

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VDMIL GROUP INDIA has completed and delivered a large number of projects, showing its potential to be among the best elevator and escalator providers in India. Its head office is in Pune from where all the projects are managed and delivered all over India. The idea behind forming the company was just to serve people and to provide the world class elevators and escalators at very cost effective prices. Since its inception company has been a reliable and trusted name in the market for all types of elevators and escalators. The company has been perpetrated to understand the needs of its customers for the past many years and its continuing to do so.

Our commitment to safety, reliability, and cutting - edge technology ensures that every elevator we provide meets the highest standards of quality and performance. Whether you are looking for sleek, modern designs for luxury buildings or robust, energy-efficient systems for high-traffic environments, we have the perfect solution. At VDMIL GROUP INDIA, customer satisfaction is our toppriority.

From initial consultation to after-sales support, our team of experts is dedicated to delivering a seamless experience. We also offer customization options to match your specific architectural vision, ensuring both functionality and aesthetics. Driven by a passion for excellence and a vision for a smarter future, we are elevating the standards mobility, one project at a time.

Safety and Compliance

Customization Options

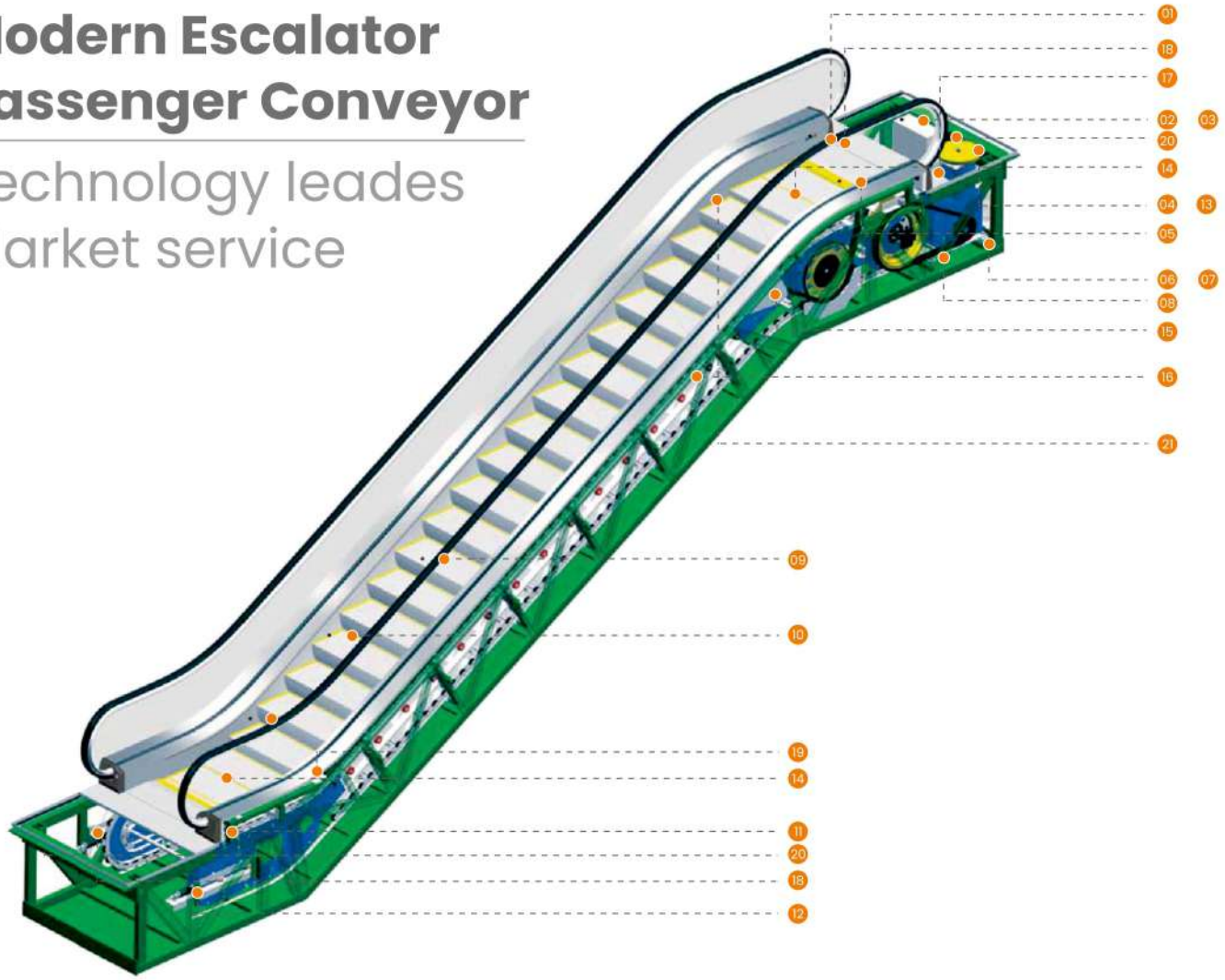
Service and Support

Professional Team



Modern Escalator Passenger Conveyor

Technology leades Market service





KYUE Standard Function

1.Emergency stop switch
In case of emergency, push emergency stop switch to stop the escalator.

2.Overload protection
When drive motor is overloaded, power supply will be cut off automatically, and the escalator will stop running.

3.Power supply phase failure and wrong phase protection
Escalator will stop running in the event of power supply phase failure or wrong phase.

4.Electromagnetic brake
Guarantee appropriate braking distance for safety of passengers when the escalator stops running.

5.Comb plate safety device
In the case of objects being trapped between step and comb plate, escalator will stop running.

6.Unintentional reversal protection device
When escalator changes set running direction, it will stop running.

7.Overspeed protection device
When running speed exceeds nominal speed by 120%, the escalator will stop running.

8.Drive chain safety device
When drive chain is unduly elongated or broken, escalator will stops running.

9.Step safety device
Under abnormal conditions caused by step deformation or other reasons, escalator will stop running.

10.Step yellow demarcation line
It is used for indicating safe location where passengers shall stand.

11.Handrail entry safety device
In the case of objects being trapped in the handrail entry, the escalator will stop running.

12.Step chain safety switch
When traction chain is unduly elongated or broken, escalator will stop running.

13.Brake release monitoring device
Detect whether brake is released after main controller outputs break control signal. Escalator cannot start until brake is released.

14.Step lighting
It is installed under step at the entrance of escalator. Light comes from between comb and step or horizontal steps, so it is convenient for passengers to see step entrance clearly.

15.Step static eliminating device
Make use of the static brush to eliminate the static of the step

16.Handrail static eliminating device
Make use of metal roller to eliminate static of handrail.

17.Braking distance monitoring
When braking distance exceeds given distance, escalator cannot start until fault is eliminated and fault button is pressed.

18.Missing step monitoring device
The escalator shall stop before the gap (resulting from the missing step) emerges from the comb.

19.Handrail speed monitoring
In the case of handrail speed deviation of more than -15% to the actual speed for more than 15 s, escalator will stop running.

20.Entrance floor plate lifting protection
When cover plate of machine room is opened, escalator can only start by inspection control device.

21.Skirt panel brush
It will protect passengers from unintentional contact with skirt panel so as to lower risk of squeezing.

Optional Function

Auxiliary brake
In the case of drive chain being broken, escalator reversal, or excessive speed running 120%, the device will act and the escalator will stop running.

Skirt panel safety switch
In the case of objects being trapped between step and skirt panel, escalator will stop running.

Variable frequency starting
Escalator can automatically run in energy saving mode in case of no passengers in escalator.

Balustrade lighting
It makes service environment get brighter and has decorative function.

Skirt panel lighting
It makes step run in brighter environment and has decorative function.

Comb plate lighting
It makes passengers know running state of step clearly and has decorative function.

PRODUCT SPECIFICATION AND ITS RELATIVE COMPONENTS

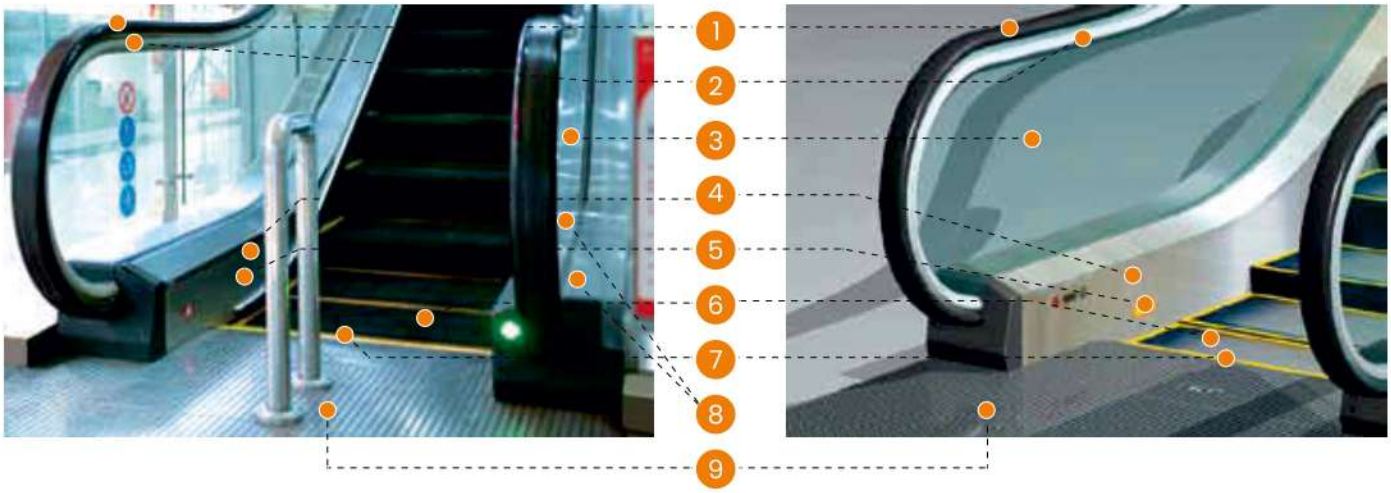
Specification	
Rise	3-6m
Angle of Inclination	30°/ 35°
Step Width	600/800/1000mm
Rated Speed	0.5m/s
Horizontal Steps	2
Theoretical Capacity	3600/4800/6000(Person/hour)
Power Supply	50Hz AC three-phase 380V Single-phase 220V; or according to regional requirements
Traction Machine	Three-phase AC motor
Control Mode	MPK 108
Start Running Mode	Star Delta Start; Optional VVVF photoelectric detection start
Balustrade Panel	10mm thick tempered safety glass; Optional vertical hairline stainless steel
Handrail Bracket	Carbon steel spraying; Optional hairline stainless steel; Optional anodized aluminum alloy
Handrail	Black synthetic rubber; Other colors available
Interior & Exterior Cover Plate	Hairline stainless steel
Skirting	Hairline stainless steel; Optional black or green teflon-coated steel plate
Handrail Lighting	Optional
Skirting Lighting	Optional
Comb Lighting	Optional
Step	Stainless steel with yellow safety line; Optional aluminum alloy with yellow safety line
Entrance & Exit Flooring	Stamping stainless stee
Comb Plate	Yellow synthetic resin; Optional aluminum alloy







Specification	
Rise	4-10m
Angle of Inclination	30°
Step Width	800/1000mm
Rated Speed	0.5m/s
Horizontal Steps	3
Theoretical Capacity	4800/6000 Person/hour
Power Supply	50Hz AC three-phase 380V Single-phase 220V; or according to regional requirements
Traction Machine	Three-phase AC motor
Control Mode	MPK1 08
Start Running Mode	Star Delta Start; Optional VVVF photoelectric detection start
Balustrade Panel	10mm thick tempered safety glass; Optional vertical hairline stainless steel
Handrail Bracket	Hairline Stainless Stee
Handrail	Black synthetic rubber; Other colors available
Interior & Exterior Cover Plate	Hairline stainless steel
Skirting	Hairline stainless steel; Optional black or green teflon-coated steel plate
Skirting Lighting	Optional
Comb Lighting	Optional
Step	Stainless steel with yellow safety line; Optional aluminum alloy with yellow safety line
Entrance & Exit Flooring	Stamping stainless stee
Comb Plate	Yellow synthetic resin; Optional aluminum alloy

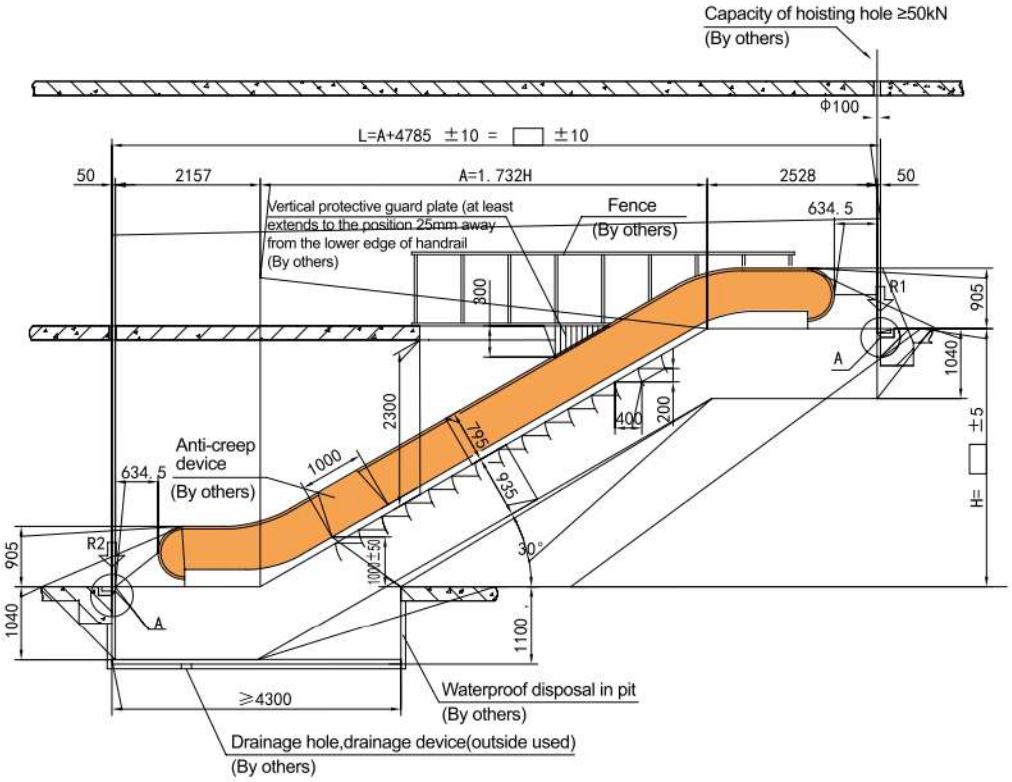


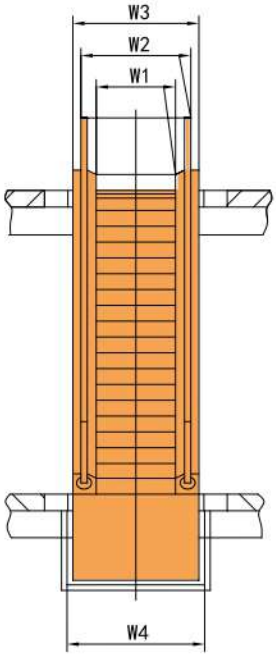
1 Handrail 2 Handrail Bracket 3 Balustrade Panel 4 Skirting 5 Comb Lighting

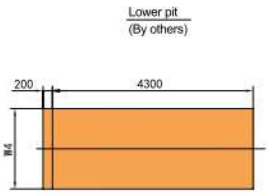
6 Step 7 Comb 8 Interior & Exterior Plate 9 Entrance & Exit Flooring

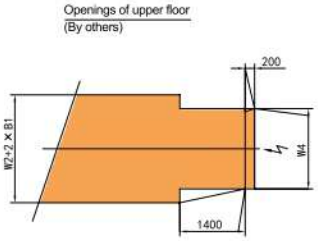
30°ESCALATOR KYUE SCHEME DRAWING

3000≤H≤6000 | Number of horizontal steps:2









Support Load

Step Width	Rise		3000	3500	4000	4500	5000	5500	6000
1000	Escalator Weight	G(KN)	66	70	74	78	86	90	94
	Support Load	R1(KN)	62	66	70	74	80	85	89
		R2(KN)	54	58	62	66	72	77	81
800	Escalator Weight	G(KN)	62	66	70	73	77	81	85
	Support Load	R1(KN)	55	58	62	66	69	73	77
		R2(KN)	47	51	54	58	61	65	69
600	Escalator Weight	G(KN)	59	62	66	69	73	77	80
	Support Load	R1(KN)	48	51	54	57	61	64	67
		R2(KN)	40	43	47	50	53	56	59

Specification & Size

	60 Step	80 Step	100 Step
W1 (Step Width)	600	800	1000
W2 (Handrail Outer Fringe Width)	930	1330	1330
W3 (Escalator Width)	1140	1540	1540
W4 (Pit Width)	1240	1640	1640

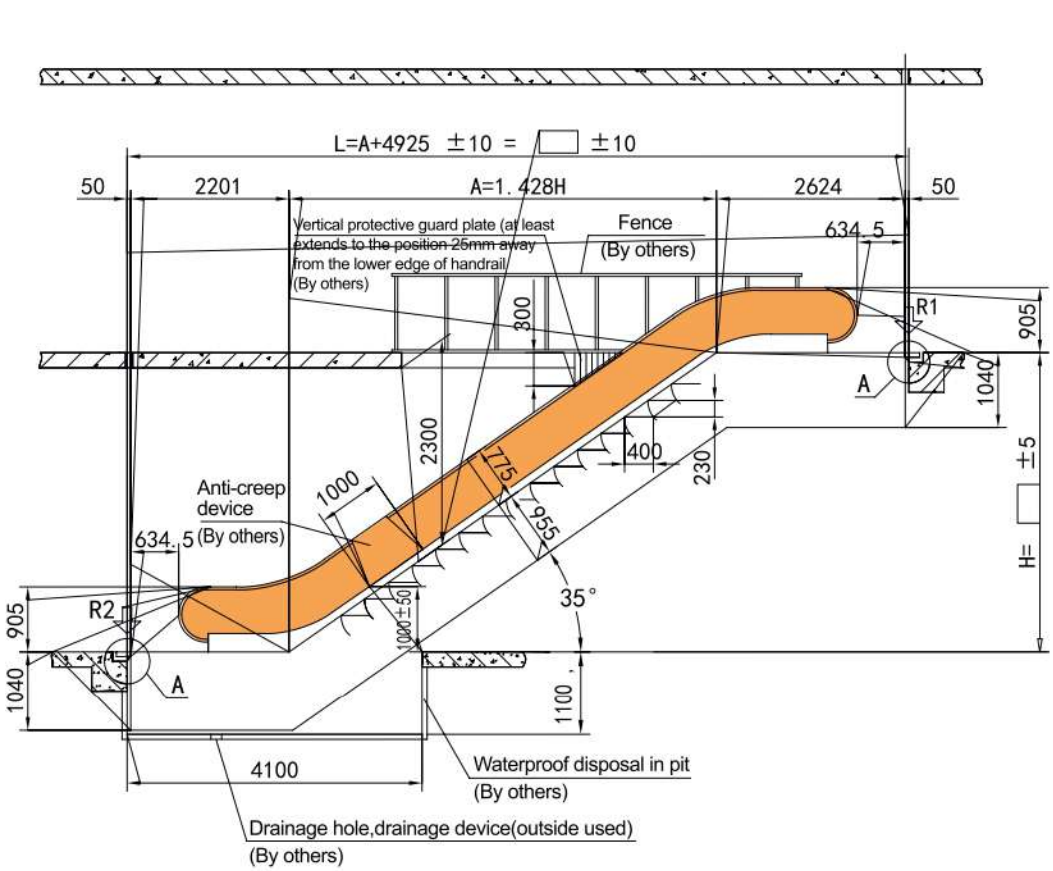
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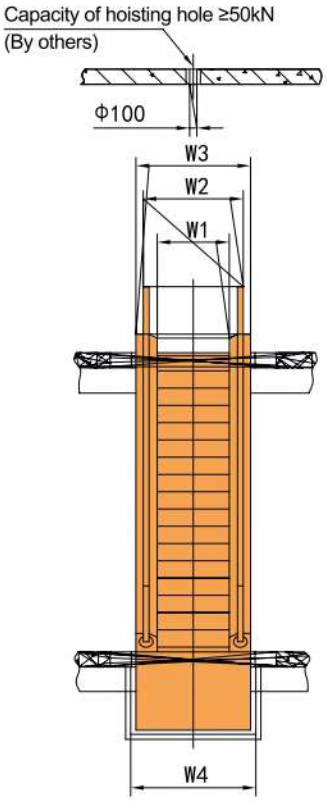
1.For outdoor escalator, size of "※" in schematic drawing is 1440.
2.When the step width is 600, the size of the * in the figure is increased by 500.
3.The size not indicated in the figure are in milimeters. See page 20 for enlarged figure of A.
4.This figure is suitable for escalators with carbon steel spray-painted or hairline stainless steel handrail brackets.
5.When the anodic aluminum alloy handrail bracket is selected, the relevant dimensions are slightly different from this figure.

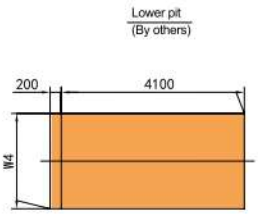


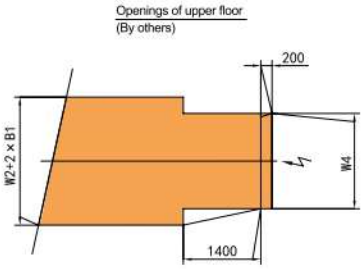
35°ESCALATOR KYUE SCHEME DRAWING

3000≤H≤6000 | Number of horizontal steps:2









Support Load

Step Width	Rise		3000	3500	4000	4500	5000	5500	6000
1000	Escalator Weight	G(KN)	62	66	69	73	77	80	85
	Support Load	R1(KN)	58	62	65	69	72	76	81
		R2(KN)	50	53	57	61	64	68	73
800	Escalator Weight	G(KN)	59	62	65	69	72	75	79
	Support Load	R1(KN)	52	55	58	61	64	67	70
		R2(KN)	43	47	50	53	56	59	62
600	Escalator Weight	G(KN)	56	59	62	65	68	71	75
	Support Load	R1(KN)	45	48	51	53	56	59	61
		R2(KN)	38	40	43	46	48	51	53

Specification & Size

	60 Step	80 Step	100 Step
W1 (Step Width)	600	800	1000
W2 (Handrail Outer Fringe Width)	930	1130	1330
W3 (Escalator Width)	1140	1340	1540
W4 (Pit Width)	1240	1440	1640

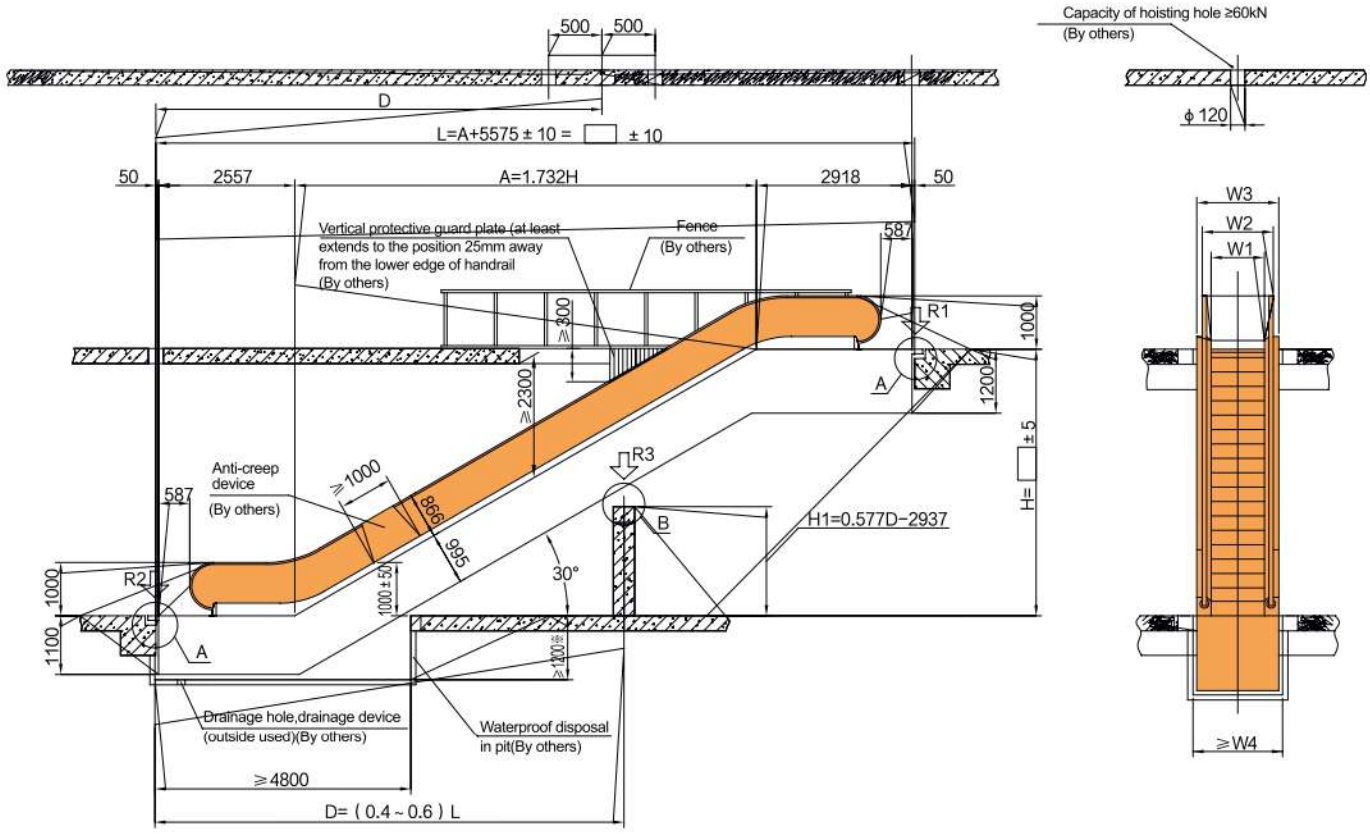
Note:

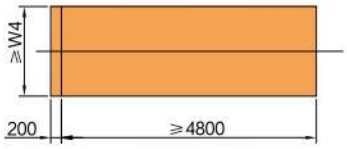
1.For outdoor escalator, size of "※" in schematic drawing is 1440.
2.When the step width is 600, the size of the * in the figure is increased by 500.
3.The size not indicated in the figure are in milimeters. See page 20 for enlarged figure of A.
4.This figure is suitable for escalators with carbon steel spray-painted or hairline stainless steel handrail brackets.
5.When the anodic aluminum alloy handrail bracket is selected, the relevant dimensions are slightly different from this figure.

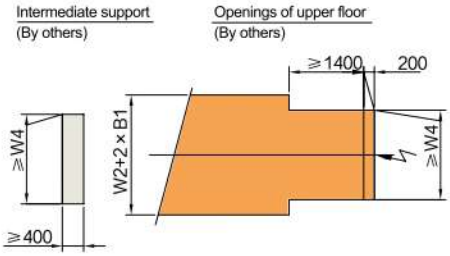


30° ESCALATOR ESG-W310 SCHEME DRAWING

4000≤H≤10000 | Number of horizontal steps:3







Specification & Size

	80 Step	100 Step
W1 (Step Width)	800	1000
W2 (Handrail Outer Fringe Width)	1130	1330
W3 (Escalator Width)	1340	1540
W4 (Pit Width)	1440	1640

Support Load

Rise		4000≤H≤5500		5500 < H≤10000		
Support Load		R1(KN)	R2(KN)	R1(KN)	R2(KN)	R3(KN)
Step Width	800	4.54L+14.52	4.55L+5.07	2.14L+13.57	2.24L+3.35	5.64L+4.08
	1000	4.94L+15.27	5.22L+5.24	2.26L+17.65	2.67L+3.36	6.20L+5.44

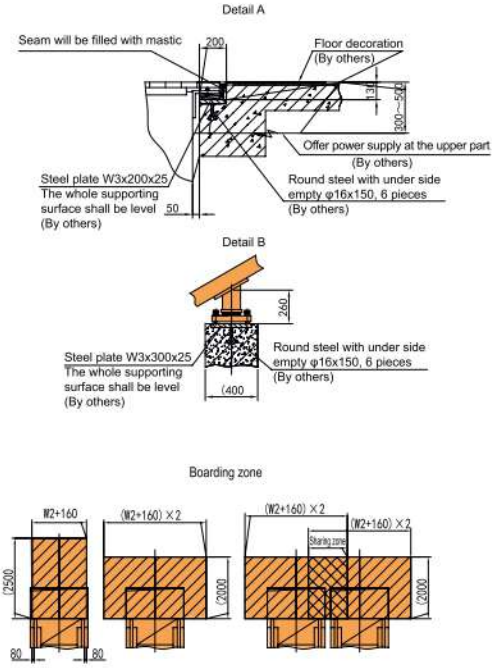
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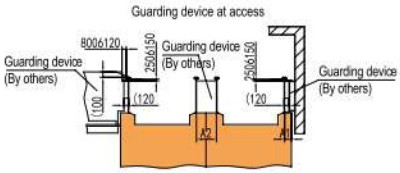
1.For outdoor escalator, size of "※" in schematic drawing is 1500.

2.The unit of the ""L"" in the reaction of supports calculation formula is in meters while all other dimentions not indicated are in milimeters.

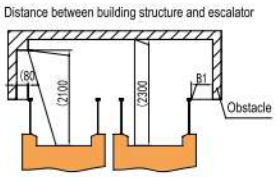
Technical specification

- If there is a risk of falling, Anti-creep device should be installed.
- When escalator is installed above the first floor, there is no need for pit, the understructure of civil works is symmetrical with the upper part.
- The user should provide the escalator with a ground resistance which is lower than 4 ohm.
- The user should provide at least 50 Lx illumination at the escalator exit entrance (ground detection value).

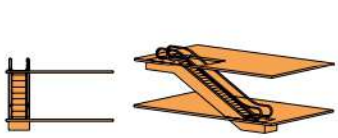




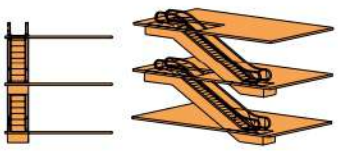
When the escalator is near the wall, the width of interior and outerior plate is greater than 125mm, a gurading d evice should be placed at the up and low end. When the escalators are arranged in parallel with each other and the width A2 of the common outer cover plate is greater than 125mm, the guarding device should also be installed



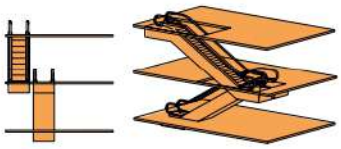
If the distance Bl between the outer edge of the handrail and any obstacle iS larger than or equal to there iS no need guarding device.



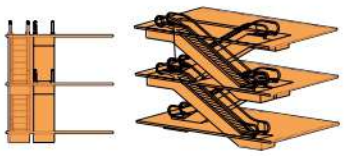
Single



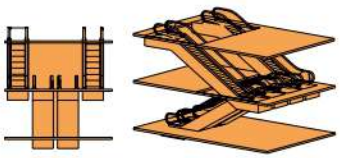
Single Arrangement



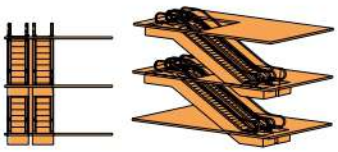
Single Continuous



Single Cross



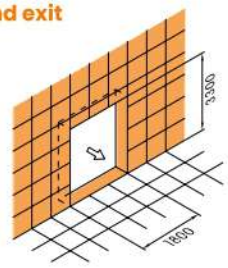
Parallel Continuous



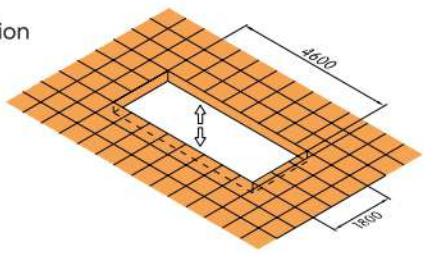
Parallel Noncontinuous

Minimum size of the entrance and exit

• Vertical direction



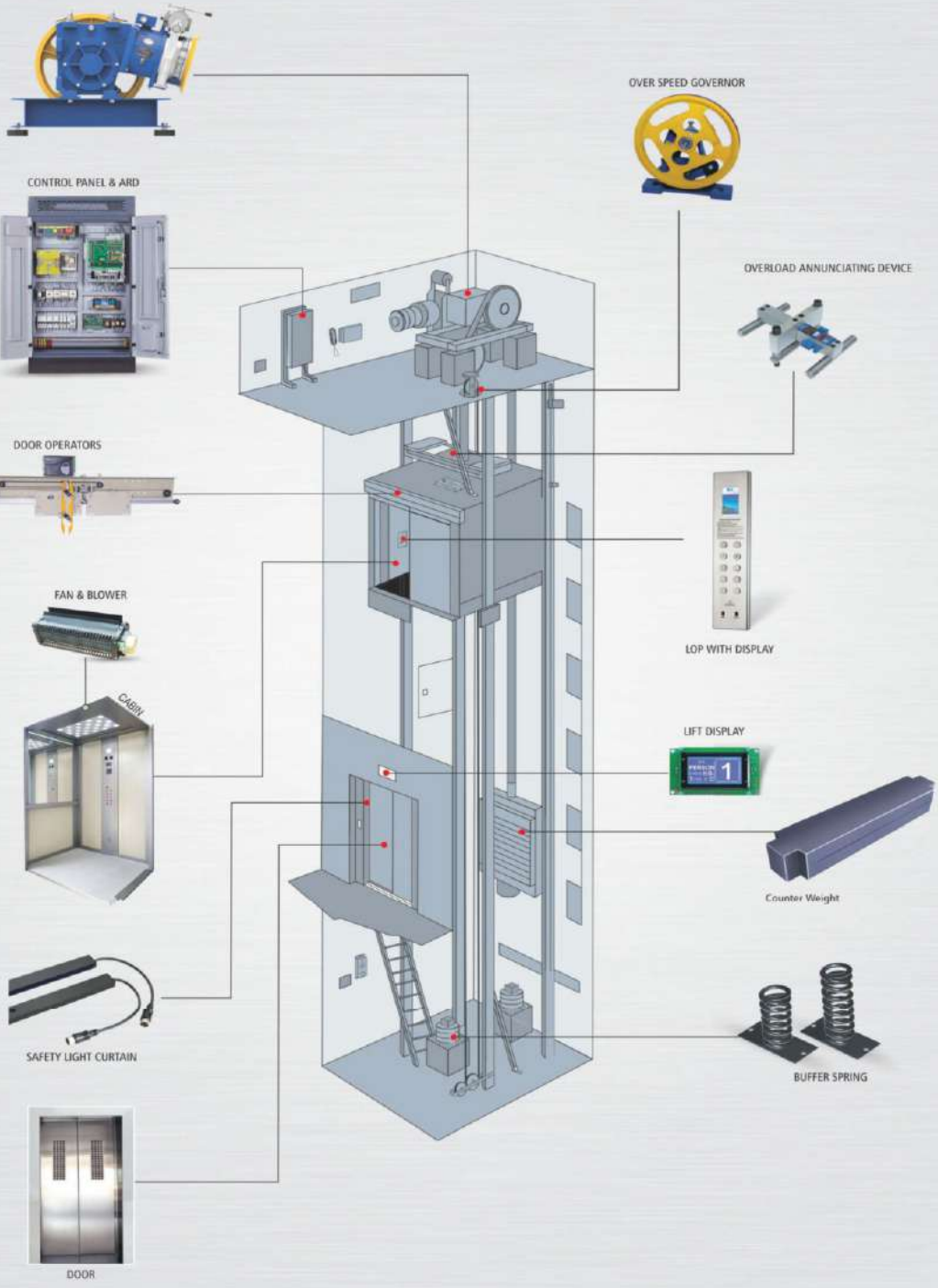
•Horizontal direcfion



Note: Figure dimensions all in millimeters

Other related projects responsible by the users and agents

- The holes which need to be drilled on the floor and the recovery works.
- Water proofing work for the bottom layer of escalator pit.
- Surrounding floor and ceiling decoration work after the completion of escalator installation.
- For escalators installed in existing buildings, the protection around the escalator.
- The wall around the guardrail and escalator.
- For installation temporary access and restoration work if the escalator is installed in existing buildings.
- Power cable is connected to the power supply box of the escalator inside the power supply.
- The outer decoration of escalator.
- Installation of anti-fall nets if ladder wells are between the escalators.



We are Technically Associated with



Safety Features

Infrared Light Curtain
Full height infrared curtain with multiple crisscrossing light beams detect the smallest obstruction in door path and stop doors from closing.

Overload Sensor with Audio-Visual Indication
On overload of the lift, car audio-visual indication is provided and doors are kept open till excess load is removed.

Slot Less Door Sills
Stainless steel lift car is now complemented by matching stainless steel bottom sills. Moreover, bottom sills are groove less, thus enhancing aesthetic appearance of the elevator. No slots for dust to accumulate and obstruct the door. So trouble free operation is ensured. Ensures smooth movement of trolleys & structures. (Block-A)

Car Emergency Light & Fan
The emergency light is always illuminated in normal condition and switches itself automatically to battery back up in case of power failure as shown in picture. Fan also operates for minimum 2 minutes after power failure.

Emergency Alarm & 'Push to Talk
In case of any emergency or power failure, help can be obtained by alarming or by communicating at lobby through system, which is battery operated and self-charging as shown in the picture.

Emergency Rescue Button
In the event of power failure, trapped person in lift car rescue themselves by pressing emergency rescue button provided in car panel as shown in picture. (Block-B)

Safety in case of Over Travel
Three phase electric power is disconnected from control. panel and motor, the moment elevator car moves beyond the limit of top and bottom terminal floors causing immediate application of the brake to bring the elevator to halt.

Safety in case of Rope Breakage
In the incident of breakage of ropes, elevator speed exceeds the rated speed in the downward direction, due to gravitational acceleration. The over speed governor activates the clutch mechanism thereby switching off main controls and jamming the elevator car safety on guide rails.

PU Buffers
Polyurethane polymer blocks are along lasting, weather resistant and most reliable in all operating conditions for providing maximum safety, in case of buffering of car elevators.

Car Fan Automatic Sleep
Car fan automatically stops when there are no registered floor calls resulting into saving in power and enhancing its life.

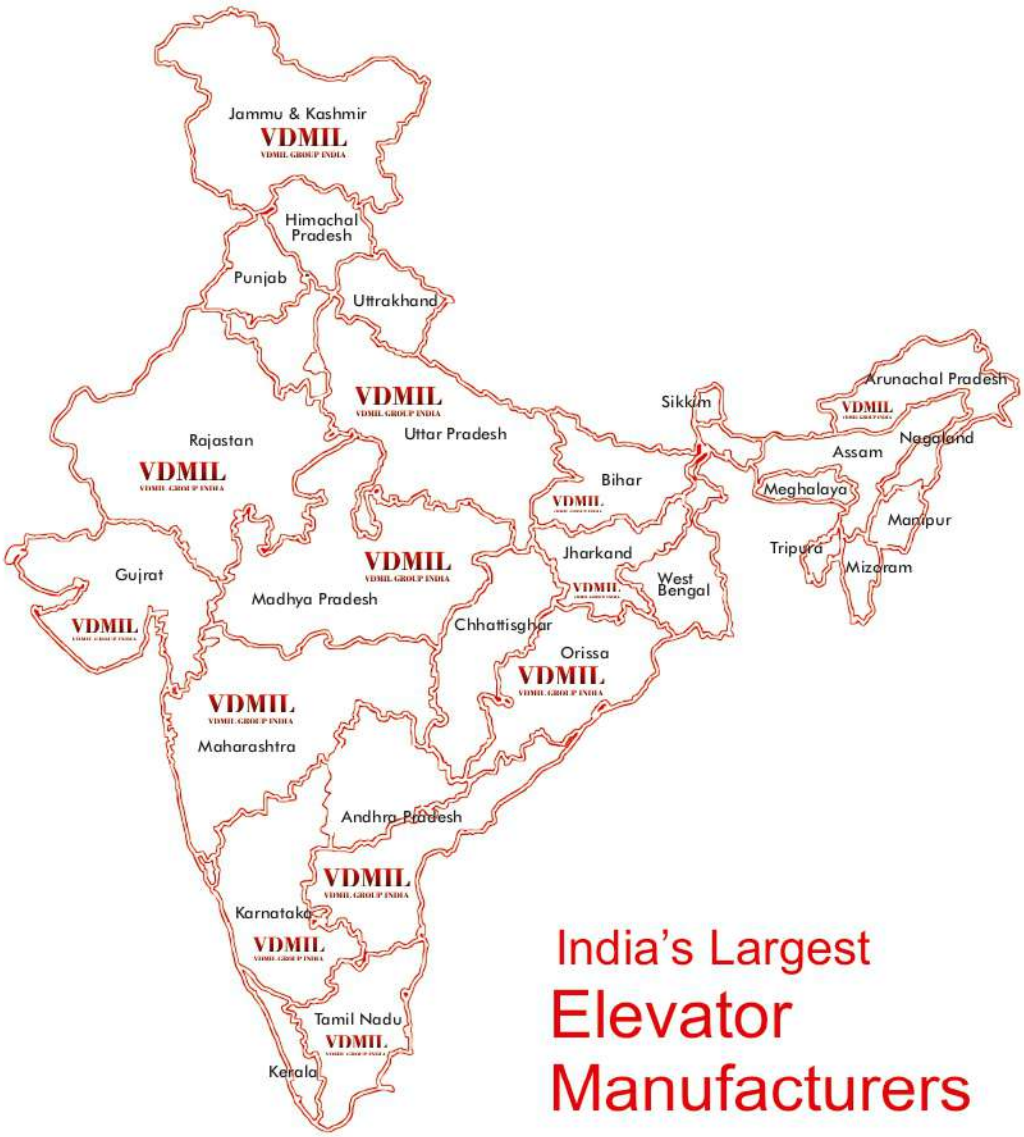
Voice Annunciator with Music
This system provides detailed information to passengers related to next floor, direction of movement, door opening/closing, scheduled operations and other information depending on the building needs. This system features natural electronic voice synthesizes.

PLC based controller V3F (Variable voltage, Variable Frequency), Vector controlled drive with encoder closed loop system
This system provides the highest degree of smoothness in elevator car movement with precise leveling. In addition to this, the frequency of power conservation is very high resulting into an overall power saving of the order of 40% during normal operating conditions.

The Speed vs. Travel diagram shows the jerk less movement of elevator car approaching different floors with different speeds during starting, accelerating, decelerating and stopping.

Self diagnostic system
The built-in computer control system, self-diagnosis, various operational and safety parameters to improve overall reliability and safety of lift operation.

PLC based controller V3F (Variable voltage, Variable Frequency), Vector controlled drive with encoder feedback closed loop system for door operation
This system reduces the door opening and closing time drastically compared to conventional door operation system, thereby improving the passenger handling capacity and reducing the waiting time at landing.



India's Largest
Elevator
Manufacturers

VDMIL
VDMIL GROUP INDIA

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