

**FUJITEC**

# **GS8000-HV**

*For Heavy Duty Public Transportation Use*

EN115

# ESCALATOR

Fujitec' GS8000-HV series provides heavy duty public transportation use escalator for high traffic environment.

## High durability

Safety for public transportation

Superb riding comfort

Exceptional smoothness & quietness

## For High Traffic Environment



Beijing Subway

# Outstanding Features

## Standard Specifications

### Newel Design

Innovative design is applied to the newel made of resin, which enhances the individuality. (For S and F type)  
Stainless steel made cover is applied for P type.

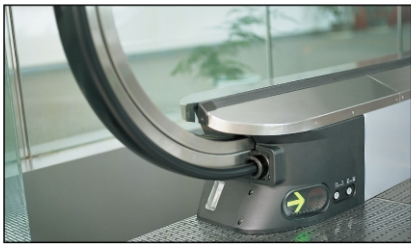
⇒ Outstanding appearance

### Illuminated Direction Indicator

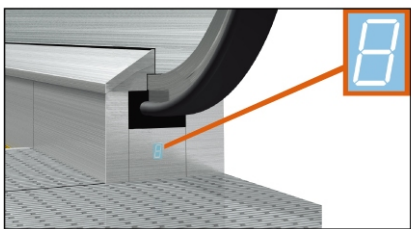
The illuminated direction indicator installed at the upper and lower newel of S, F type provides passengers safety with its high level of visibility.  
For P type, the direction indicator can be applied at stainless made newel as an option.

⇒ High level of visibility for safety

⇒ User-friendliness



Illuminated Direction Indicator for S and F Type



Newel Cover and Fault Display for P Type

### Deluxe Balustrade

Durable stainless steel is used for the handrail frames and deck covers

⇒ Longer durability

⇒ Luxurious appearance

### Automatic Lubrication System

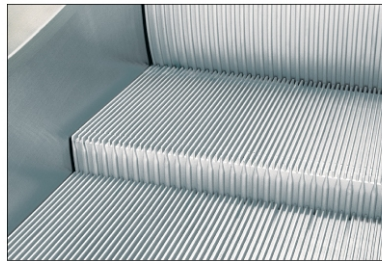
A central automatic lubrication system lubricates the whole chain automatically. Galvanized oil collectors come with this system.

⇒ Smooth operation

### Aluminum Made Step

Durable aluminum alloy die-cast made step is applied.

⇒ High durability



Aluminum Made Step

### Stainless Steel Landing Plates

Landing plates at the upper and lower landings are made of stainless steel, contributing to a luxurious appearance.

⇒ Longer durability

⇒ Luxurious appearance

### Fault Display

It analyzes operational status. When a fault occurs, the cause is displayed on the screen to ensure efficient and proper maintenance.

⇒ Efficient & proper maintenance



Fault Display for S and F Type

## Optional Specifications

### Urethane Handrail

Fujitec's newly developed handrail drive system realizes, not only minimizing the handrail friction, but also making it possible to adopt Urethane made handrails. The Urethane made handrails give more brightness on its surface creating a trim appearance for escalators.

⇒ High Durability

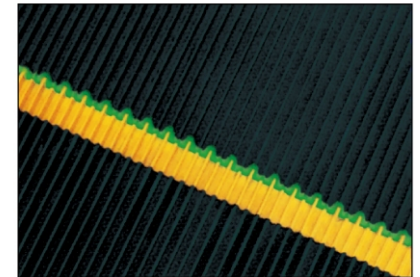
⇒ Slightly finish

⇒ Easy Cleaning

### Demarcation Lights

To help passengers easily identify the boundary line between steps, green fluorescent lights are mounted under the steps. These are located at the upper and lower landings.

⇒ User's safety

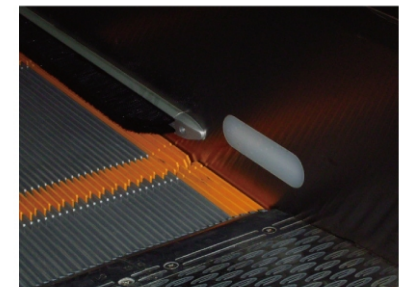


Demarcation Lights

### Comb Lights

Lights are mounted on the skirt guards at the upper and lower landings, illuminating passenger's steps for easier boarding and exiting.

⇒ User's safety



Comb Lights

# GS8000-HV Specifications

## Energy Saving System

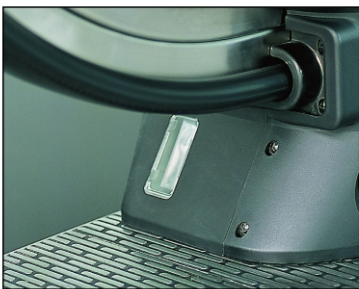
Variable frequency operation offers the latest inverter technology, that drastically reduces power consumption. The escalator runs at very low speed under the no load condition and resumes normal operation when approaching passengers are detected by the 3D sensor located near the landing. Slow speed operation prevents passengers from misunderstanding that escalators were out of service. The length of Upper Truss is to be extended by 300mm due to the incorporation of Inverter Unit.

- ⇒ Less power consumption
- ⇒ User-friendliness

## Automatic Start/Stop Operation

The sensors located near the landings detect approaching passengers and automatically start the operation. The operation is stopped after all the passengers have exited.

- ⇒ Less power consumption
- ⇒ Eco-conscious

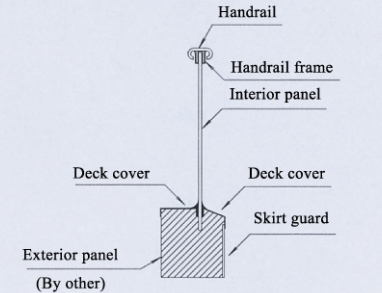
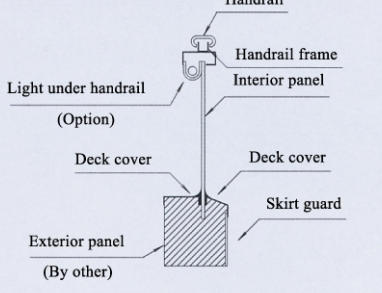
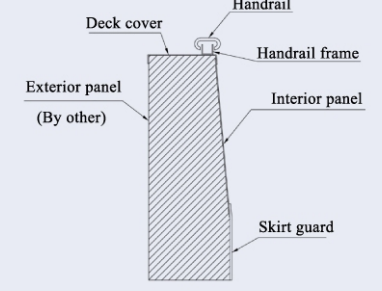


3D Sensor Type for S and F Type

Item		HV 10	HV 20	HV 30	Option
Step chain	Roller Position	Inside of step chain (H ≤ 14m)	Inside of step chain (H ≤ 14m)	Outside of step chain	-
		Outside of step chain (H > 14m)	Outside of step chain (H > 14m)		
	Roller diameter & width	φ75mm / 23.5mm (H ≤ 9.5m)	φ80mm / 25mm (H ≤ 12m)	φ100mm / 25mm	-
		φ80mm / 25mm (9.5m < H ≤ 12m)			
φ90mm / 28mm (12m < H ≤ 14m)					
		φ100mm / 25mm (14m < H ≤ 20m)			
Horizontal step run		2 steps (H ≤ 6m)	3 steps		4 steps
		3 steps (H > 6m)			
Radius of curvature	Upper	1500mm (H ≤ 9.5m)	2700mm		-
		2700mm (H > 9.5m)			
	Lower	1000mm (H ≤ 9.5m)	2000mm		-
		2000mm (H > 9.5m)			
Surface Treatment For Truss	Indoor type	Antirust Paint 2 layers(60μm)	Antirust Paint 3 layers(100μm)	Hot-dip galvanized (80μm or more)	
	Outdoor type	Hot-dip galvanized			-
Environment	Temperature	-5~+50°C (VVVF 40°C)			With Heater : -20°C
	Humidity	5~95%			-
Machine	Indoor type	IP55/Class F			-
	Outdoor type				
COP	Indoor type	IP54			IP55
	Outdoor type				
Main drive chain	Safety factor	5 or more(5000N/m <sup>2</sup> )			8 or more (5000N/m <sup>2</sup> )
Load requirement for calculation of motor capacity		120kg/step (S1000) / 90kg/step (S800) / 60kg/step (S600)			Optional Value
		Boarding ratio: 100%			
		(30 consecutive minutes)			
Speed		30m/min			(Max.45m/min)
Step Material		Aluminum alloy diecast			-

All Computer Graphics may differ from actual appearance.  
Specifications and features are subject to change without notice.

## Variety of Types

<p><b>Type-S</b></p>	<p><b>[Slim type]</b> Interior panels are made of clear tempered glass which provides a sophisticated appearance.</p> <p>HV10, Indoor use only.</p>	
<p><b>Type-F</b></p>	<p><b>[Frame type]</b>(Lighting is option) Interior panels are made of clear tempered glass Optional lighting under the handrails creates an elegant look.</p> <p>Indoor &amp; Outdoor use.</p>	
<p><b>Type-P</b></p>	<p><b>[Panel type]</b> Interior panels are made of hairline-finished stainless steel and are ideally suited for public transit systems.</p> <p>Indoor &amp; Outdoor use.</p>	

## Specifications

●: Standard Spec. ■: Optional Spec.

Balustrade		
Handrail	Synthetic Rubber (black)	●
	Polyurethane (black & 7 colors)	■
Handrail Frame	Hairline-finished Stainless Steel	●
Deck Cover		●
Interior Panel	Type-S,F: Colorless, Clear Tempered Glass	●
	Type-P: Hairline-finished Stainless Steel	●
Skirt Guard	Hairline-finished Stainless Steel	●
	Painted Steel (black)	■
	Teflon-coated Steel (gray&black)	■
Step		
Tread	Aluminum Alloy Die-cast (gray)	●
Floor Plate		
Comb	Aluminum Alloy Die-cast	●
Landing Plate	Aluminum	●

## Basic Specifications

Item	HV 10	HV 20	HV 30
Rise	1.7m ≦ H ≦ 14m Type S: 1.7m ≦ H ≦ 9.5m	1.7m ≦ H ≦ 14m	1.7m ≦ H ≦ 20m
Balustrade Type	S / F / P	F / P	F / P
Inclination	30° & 35° (35° : H ≦ 6m)	30°	30°
Model	S600/S800/S1000	S1000	S1000
Speed	30m/min		
Power	220V / 380V 50Hz		

Notes:

1) The above specifications are based on EN115.

2) The above specifications shall be changed according to the applied code.

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