

Escalator



Years of Experience in Market at Your Service

SABA Group, one of the main leaders in the elevator & escalator industry in IRAN, was founded in 2001. The background of SABA Group is 3 decades of experience by its well-known founders in the market. After years of offering the best People Flow experience together with our global partners from Europe, now we create a unique solution for the modern & developing construction industry; TECNOVA. TECNOVA is a modern concept in the elevator, escalator & automatic building door industry which aims to create smart choice & fulfill the architectural concepts & the mega trend of urbanization demand. TECNOVA elevators, are designed & manufactured precisely with the latest European Norm together with a desirable harmony in visualization which any visitor admired.



MANUFACTURING Facilities

Believed that best quality comes from the best equipment. SJEC has imported the world first classic NC facilities, at present SJEC has been updated its 6 sheet metal lines. There are 4KW laser cutting machine from MITSUBISHI, turret punching machine from WIEDMANN, cnc bending & shearing machine from KUMATSU, processing lines from AMADA, processing center from CINCINNATI, welding robot from YASKAWA & All these can well guarantee our manufacturing quality.

FES Escalator

Silence & comfort. The new generation has inherited the traditional safety, reliability, high efficiency style & combined with updated market trends as well as tailored solutions. it is widely used for shopping malls, hotels, office blocks &



TYF	PE	FES		
Incline	ition	30° or 35°		
Step Widt	h (mm)	600/800/1000		
Horizontal Ste	p Run (mm)	800/1200		
Speed ((m/s)	0.5		
Power S	upply	AC 3 Phase.5 wire 50Hz/60Hz		
Installation	position	Indoor / Outdoor		
Rise (m)		2~6/7.5 (Details as following)		
RISE	INCLINATION	HORIZONTA STEP QTY.	L	
2~6	30⁰ or 35	2		
2~7.5	30°	3		



ТҮРЕ	STANDARD	OPTIONAL
Balustrade Design	Vertical Safety Glass (10mm safety tempered glass)	
Balustrade Profile	Q235/SS	
Handrail	Black	Other colors
Deckings	Hairline SS	
Skirting Panel	Hairline SS	
Step	Aluminum alloy Die-cast gray color	
Landing Plate	Punched SS	Etched SS/ Extrude aluminum
Operation Panel	Red emergency stop button & up/down key switch	

FEH Escalator



ТҮРЕ	FEH
Inclination	30° / 35° / 23.2° / 27.3°
Step Width (mm)	600/800/1000
Horizontal Step Run (mm)	800/1200/1600
Speed (m/s)	0.5/0.65
Power Supply	AC 3 Phase.5 wire 50Hz/60Hz
Installation position	Indoor / Outdoor
Rise (m)	2~6/8/12/15 (Details as following)

RISE	INCLINATION	HORIZONTAL STEP QTY.	UPPER RADIUS (MM)
2~6	30° or 35	2	1500
2~8	30°	3	1500
2~12 (max. speed 0.65m/s)	23.2°/27.3°/30°	3/4	2700
2~15 (max. speed 0.5m/s)	23.2°/27.3°/30°	3/4	2700

ТҮРЕ	STANDARD	OPTIONAL
Balustrade Design	Vertical Safety Glass (10mm safety tempered glass)	Inclined SS
Balustrade Profile	Hairline SS	
Handrail	Black	Other colors
Deckings	Hairline SS	
Skirting Panel	Hairline SS	
Step	Aluminum alloy Die-cast gray color	
Landing Plate	Etched stainless steel	Extrude aluminum with surface of stainless steel/Extrude aluminum
Operation Panel	Red emergency stop button & up/down key switch	



PASSENGER Conveyor



SPECS	PASSEN		R			
Туре	FET	FEF	FEW			
Inclination	10° / 11° / 12°	10° / 11° / 12°	0° / 6°			
Pallet Width (mm)	800/1000	800/1000 800/1000				
Horizontal Pallet Run (mm)	400 (Upper landing)	400/800	N/A			
Speed (m/s)		0.5				
Power Supply	AC 3 pho	AC 3 phase.5 wire 50Hz/60Hz				
Installation position	Inc	door/Outdoor				
Rise/Length (m)	H: 2~7.5	H: 2~7.5	L: 20~120			
ТҮРЕ	STANDARD	OI	PTIONAL			
Balustrade Design	Vertical Safety Glass (10mm safety tempered glass)	Incline	ed SS for FEW			
Balustrade Profile	Hairline SS					
Handrail	Black	Ot	her colors			
Deckings	Hairline SS					

 Skirting Panel
 Hairline SS

 Pallet
 Die-cast aluminum

 Landing Plate
 Punched SS
 Etched SS/Extrude aluminum

 Operation Panel
 Red emergency stop button & up/down key switch



STANDARD Features

STANDARD	FES	FEH	FET/FEF/FEW
Automatic Lubrication System	•	٠	٠
Alarm Buzzer	•	•	•
Brake Distance Monitor			
Comb Contacts		•	•
Emergency Stop Buttons			
Fire Interface	•	•	•
Fault & Status Display			
Handrail Anti-Static Roller		•	•
Handrail Entry Contacts		•	
Handrail Speed Monitor			•
Landing Plate Contact		•	
Motor Overheat		•	•
Maintenance Interlock Protection		•	
Phase Monitor		•	•
Safety Brake on Main Shaft		•	
Speed Monitor with Electrical Reverse Detection		•	•
Step/Pallet Anti-Static Brush	•	٠	
Step/Pallet Chains Contacts	•	•	•
Step/Pallet Missing Monitor	•	٠	
Step/Pallet Reverse Fences	•	•	
Step/Pallet Sag Contacts	٠	٠	
Soft Stop		•	•
Service Brake Release Contact	٠	٠	٠

OPTIONAL Features

STANDARD	FES	FEH	FET/FEF/FEW
Auto-Start	٠		٠
Cable Connector for Intersection			•
Comb Heating System			٠
Comb Light			•
Drive-Chain Contact			•
Dry Contact for Remote Monitoring System			•
Float Contact			•
Handrail Broken Contact			•
Handrail Color			•
Outside Cladding			•
Skirting Brush			•
Safety Brake on Main Shaft			•
Skirting Contact	•		
Step Gap Illumination	•		
Skirting Lighting (LED Dot Light)	•		٠
Step/Pallet Color	•		
Step Safety Demarcation	•		
Step Upthrust Contact			
Truss Heating System		•	٠
Traffic Light		•	•
VVVF Control	٠		٠

FES LAYOUT for Commercial Escalator





We reserve the right to alter some of specifications & descriptions given here in without prior notices.



FET LAYOUT for Passenger Conveyor



FEF LAYOUT for Passenger Conveyor



Α	800	1000	٦
В	1037	1237	F
С	1345	1545	F
D	1400	1600	F
E	1920	2120	

TYPE	Α	L	KK	FF
FEF10	10°	H X 5.671 + 3945	17700	4750
FEF11	11°	H X 5.145 + 3755	16700	4550
FEF12	12°	H X 4.705 + 3595	15800	4500

A Reaction Force (KN) 800 R1 = 3.45 X L2 + 12.5 R2 = 3.45 X L1 + 4					
800					
R2 - 3.45 X LI + 4					
R3 = 4 X L + 14.5					
R1 = 3.85 X L2 + 14					
R2 = 3.85 X L1 + 4.5					
R3 = 4.5 X L + 15.5					
Note: 1- L, L1 & L2 is in meter.					
2- L1 & L2 do not exceed 10m 3- Applicable in case of one					
intermediate support or else, contact us.					

Note:

Height about sea level.
 Height above sea level of the placed moving walks shall be no greater than 1000m. in case of particular, Please contact

SJEČ

2- If one of the following situations is met, the dimensions with mark * shall be extended 500mm.

(1) Double drive.
(2) VVVF.
(3) Main power 200V grade & motor power more than 7.5KW.

3- Client shall provide the intermediate support base which can be made by the reinforced concrete or metallic structure in right position in case of horizontal distance L over 10m.

4 - The requirements of moving walks & building interfaces in figure 1 - figure 5 accord with the national standards. (ENI15 - 1: 2008+A1:2010). If doubt, please contact SJEC.





FEW LAYOUT for Passenger Conveyor







IN	INCLINED BALUSTRADE			VE	VERTICAL BALUSTRADE		Α	1000	1200	1400	
Α	1000	1200	1400	Α	1000	1200	1400		Reaction I	Force (kN)	
В	1310	1510	1710	В	1237	1437	1637	R1	55	64	73
С	1595	1795	1995	С	1595	1795	1995	R2	53	61	69
D	1670	1870	2070	D	1670	1870	2070	R3	90	110	125
								R4	5	5	5

Note:

1- Mark:

- Mark*1: Suppors need to be in true level.
- Mark*2: If there is pit, pit need to be water proof & smooth.
- Mark*3: If dimension D is changed, the dimension marked should be adjusted.

2- According to EN115, the entrance of bothing landing must have enough area to facilitate the traffic flow.

3- If one of the following situations is met, the dimensions with mark * shall be extended 500mm.

(1) Double Drive(2) VVVF

(3) Main power 200Vgrade & motor power more than 7.5W.

4- All dimensions refer to finished dimension are in mm.



OUR Commitment



Excellence in Service & Maintenance

Service & maintenance of **TECNOVA** products is presented by the only one service company in our industry in IRAN that has the largest service network & 24/7 method in addition to experienced staff & storage centers to bring better customer care & support. We are using modern methods for maintenance of Elevators, Escalators & Automatic Building Doors which brings significant increase in life span of products.

Reliable installation

TECNOVA products are installed by experienced & educated SABA installation team which has already installed more than 4000 units of Elevators, Escalators & Automatic Building Doors.

Engineering, Installation, Quality Control & Project Control are different cores of **TECNOV** team that all guarantee reliable process & operation. Installation teams are equipped with modern & precious tools which follow the latest safety standards. Continuous training system & multi-level quality control assures the quality of installation & provides the maximum customer satisfaction.







Creative Difference





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