



TECNOVA

Technical Catalog

E l e v a t o r s



30 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.

Why TECNOVA Elevators?

- Designed & manufactured by the latest technology & norms.
- Installed & maintained throughout of the lifetime of your building by **SABA Group**.
- Environmental friendly products.
- Eye-catching visualizations according to your imagination.



Siddah Chenar Mansion



TECNOVA

MRT Elevator

ST7000

TECNOVA Machine - room Top Elevators offer a new solution by combining the compact disc type drive with a minimum machine-room space.

ST7000 elevators is ideal for passengers & goods transportation in buildings of up to 24 floors.

Saving energy & cost, excellent ride comfort, high efficiency & low heat loss are the key features which made ST7000 product a reliable solution for mid rise buildings.

GENERAL SPECIFICATION

Product Name	ST7000
Type	Machine-room TOP
Max. Capacity (pers/kg)	21 pers / 1600 kg
Max. Speed (m/s)	2.5 m/s
Max. Travel (m) / Max. Stops	80 m / 24 stops



TECNOVA

MRL Elevator

SL7000

Millions of people use elevators in the day-life all over the world. Safely, comfortably & smooth ride are key points to reach a desirable journey when going up or down throughout the building such as offices, retails, airports, hotels, hospital & of course residential.

TECNOVA MRL ELEVATORS focus on quality & safety which enables people a desirable journey when riding elevators in a day life.

Years of research & experience are the foundation for a product capable of offering the best solutions in all criteria. When a product combines efficiency, design & profitability, expectations increase.

TECNOVA elevators are created to raise our customers satisfaction & comfort by its exclusive experience in leading technology.

GENERAL SPECIFICATION

Product Name	SL7000
Type	Machine-room Less
Max. Capacity (pers/kg)	21 pers / 1600 kg
Max. Speed (m/s)	2.0 m/s
Max. Travel (m) / Max. Stops	70 m / 22 stops

TECNOVA

SL7000 ADVANTAGE

- **Energy-Saving & Low Running Cost:**

Reduce start-up current, save electric energy, improve drive efficiency, keep low the motors heat-energy & traction machines mechanical-energy, simplified maintenance & no lubricants required.

- **Smooth Ride:**

Lowering running noise & creating quite space in gearless machines, reducing vibration in building.

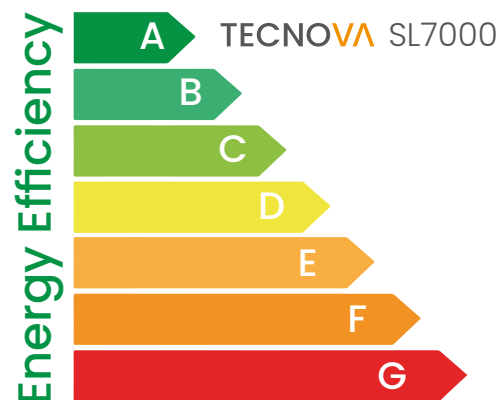
- **High Safety:**

The high-quality brakes ensure the best possible safety level in the daily operation. In addition they are certified as safety device against uncontrolled car movement upwards.

- **Space Saving:**

Machine room less elevator inclination to minimum overhead requirement by its compact disc type drive.

- All SL7000 elevators with GRADE A energy consumption



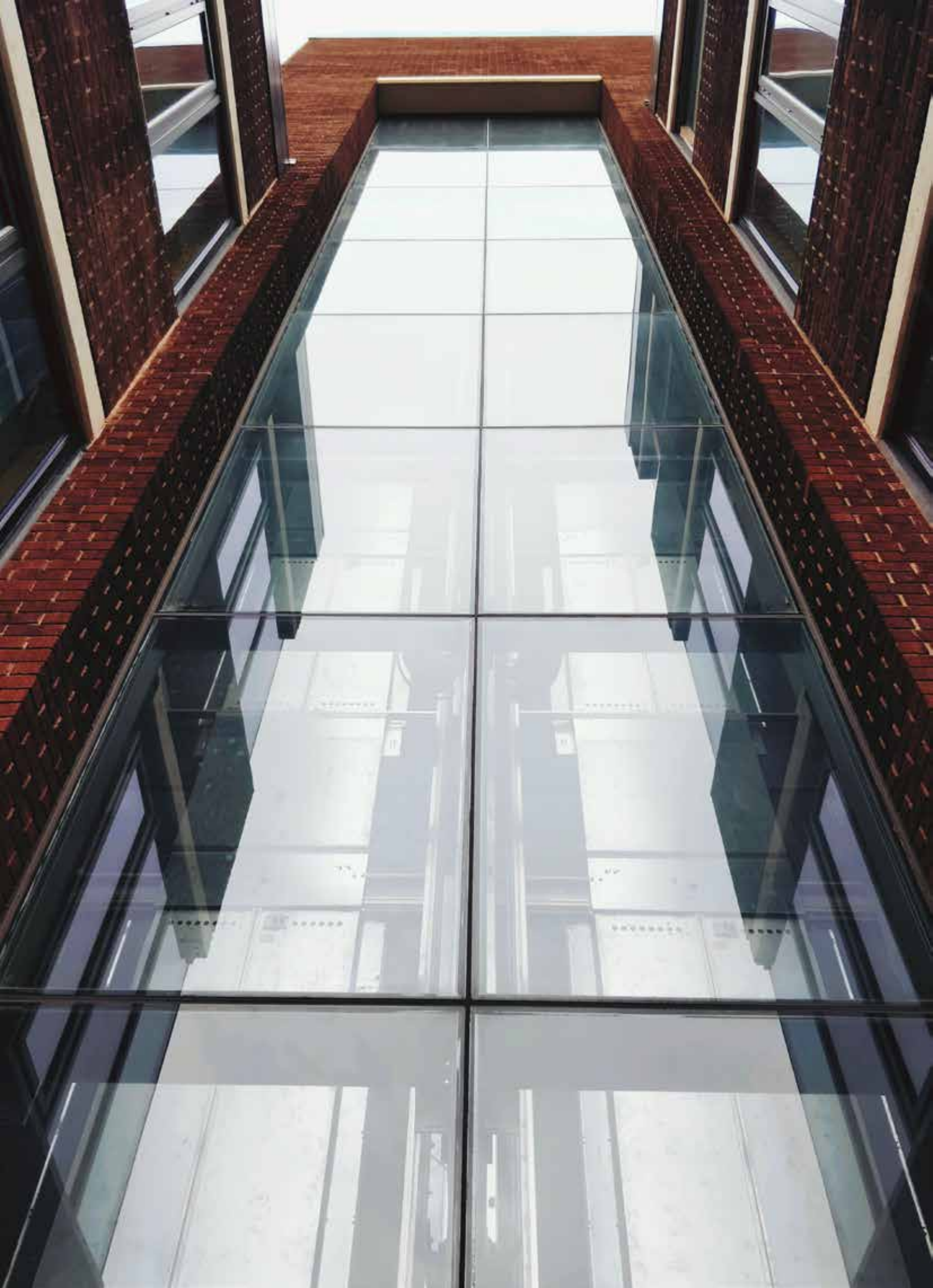
WORLDWIDE

Standards & Requirements:

All TECNOVA elevator products comply with the current European Regulations:

- 95/16/CE
- EN 81-1
- EN81-20/50
- EN81-70
- EN81-71
- EN81-72
- EN12015
- EN 12016





DRIVE TECHNOLOGY



TECNOVA drive system is a Permanent Magnet Gearless Compact Disc Machine which fulfills a variety of loads & speeds with considerable advantages.

The gearless drive machines equipped with rare earth permanent magnet material that ensures performance & lifetime of machine. High-Tech Ultra Thin Type, greatly reduces machine size & weight in addition increases efficiency & lifetime.

AC synchronous drive betters elevator start-up, brake & acceleration

The effect of energy-saving of TECNOVA gearless traction machine is remarkable; it can reduce start-up current, save electric energy, improve drive efficiency & at the same time, motors heat-energy & traction machines mechanical-energy are also kept low.

Moreover, the compact size of machine provides more space for architects & reduces the construction cost.



Control System

TECNOVA developed integrated controller is the latest technology & design for elevator & escalator control system. We would like to share this high intelligent & great controller design with you.

- User friendly
- Better performance
- Compacted structure
- More advanced ride
- Intelligent traffic management
- More safety and Eco-efficiency

STYLISH Designed

In our point a view, elevator decorative design is an essential part of research & development. With **TECNOVA** elevators, design & technology work together to provide the best experience for passengers in buildings.

TECNOVA presents a new & modern look for car interiors & other exposure components. A unique & stylish elevator design provides more than just a short journey among building's floors, it represents a new experience that stays in passengers' minds & gains value for the building architecture.



HUMAN Interface

Elevator human interface is an important factor in design; the key to creating a good first impression and flexible & easy customization based on material harmonized with walls & accessories portfolio. **TECNOVA** Car Operation Panel are according to EN81-70 standard.

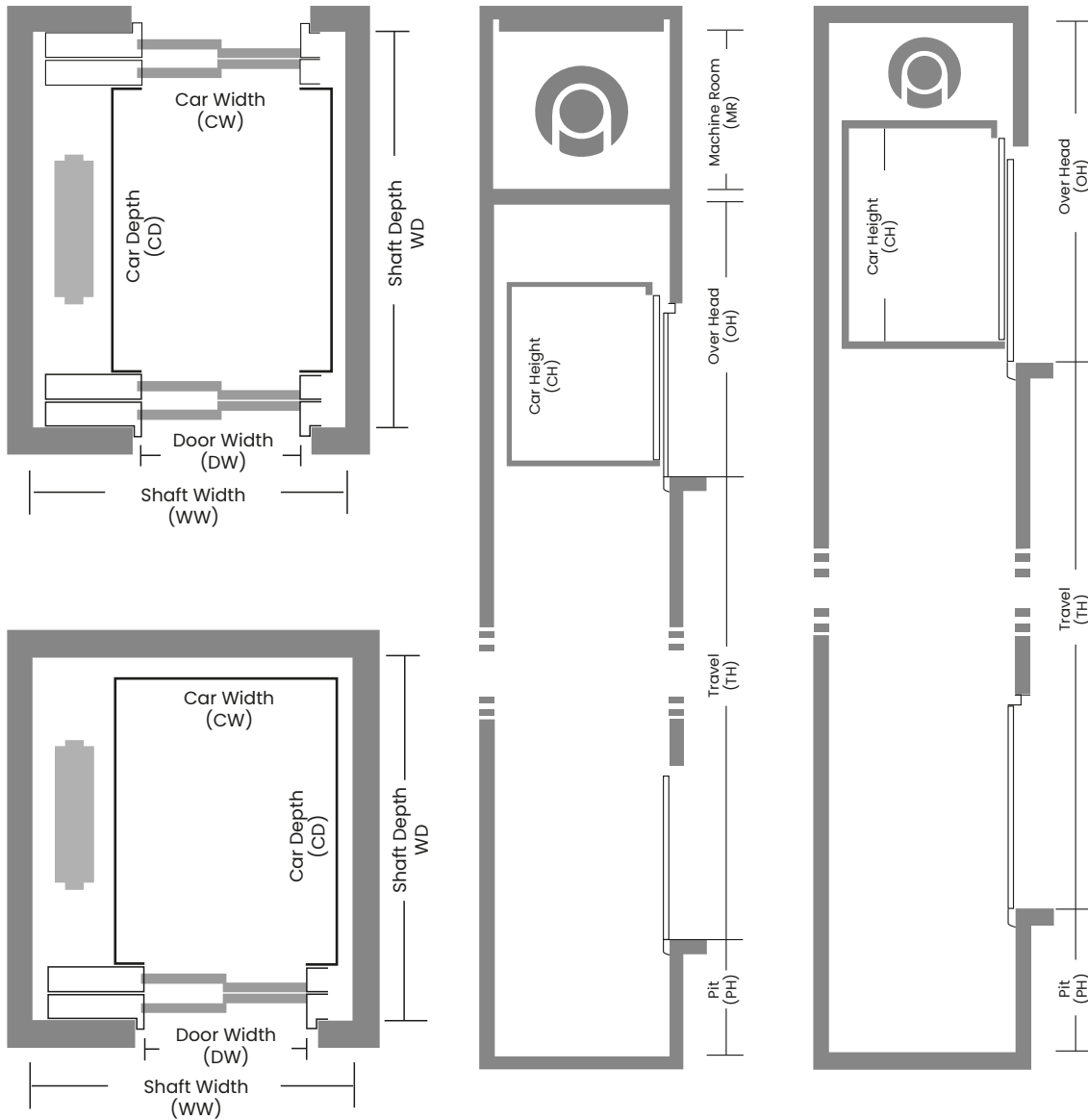


ELEVATOR Standard Dimensions

PERSONS / RATED LOAD (KG)	CAR WIDTH (CW)	CAR DEPTH (CD)	OPENING TYPE	CAR TYPE	DOOR WIDTH (DW)	SHAFT DIM. FOR MRL	SHAFT DIM. FOR MRT
6/450	1000	1200	CO	OEC	800	1800x1600	1800x1600
	1000	1200	SO	OEC	800	1650x1700	1750x1700
	1000	1200	SO	TEC	800	-	1750x1840
8/630	1100	1400	CO	OEC	800	1800x1800	1850x1800
	1100	1400	CO	TEC	800	1800x1930	1850x1930
	1100	1400	CO	OEC	900	2000x1800	2000x1800
	1100	1400	CO	TEC	900	2000x1930	2000x1930
	1100	1400	SO	OEC	800	1700x1850	1850x1850
	1100	1350	SO	TEC	800	1700x1990	1850x1990
	1100	1400	SO	OEC	900	1800x1850	1900x1850
	1200	1250	CO	OEC	800	1800x1650	1900x1650
	1200	1250	CO	TEC	800	-	1900x1780
	1200	1250	CO	OEC	900	2000x1650	2000x1650
	1200	1250	CO	TEC	900	-	2000x1780
	1200	1250	SO	OEC	800	1800x1750	1950x1750
	1200	1250	SO	OEC	900	1850x1750	1950x1750
	1200	1250	SO	TEC	900	1850x1890	1950x1890
10/800	1350	1400	CO	OEC	800	1950x1800	2050x1800
	1350	1350	CO	TEC	800	1950x1880	2000x1930
	1250	1400	SO	OEC	800/900	1850x1900	2000x1900
	1250	1400	SO	TEC	800/900	1850x2040	2000x2040
	1100	1600	CO	OEC	800	1800x2000	1900x2000
	1100	1600	CO	OEC	900	2000x2000	2000x2000
	1100	1600	CO	TEC	800	1800x2130	1900x2130
	1100	1600	CO	TEC	900	2000x2130	2000x2130
	1100	1600	SO	OEC	800/900	1850x2100	1950x2100
	1100	1600	SO	TEC	800/900	2000x2400	2000x2400
13/1000	1100	2100	CO	OEC	900	2000x2500	2000x2500
	1100	2000	CO	TEC	900	2000x2530	2000x2530
	1100	2100	SO	OEC	900	2000x2600	2000x2600
	1100	2000	SO	TEC	900	2000x2640	2000x2640
	1100	2100	SO	OEC	1000	2000x2600	2000x2600
	1100	2000	SO	TEC	1000	2000x2640	2000x2640
	1400	1600	CO	OEC	900	2050x2000	2150x2000
	1400	1600	CO	TEC	900	2050x2130	2150x2130
	1400	1600	SO	OEC	900	2050x2050	2150x2100
	1400	1600	SO	TEC	900	2050x2240	2150x2240
	1400	1600	CO	OEC	1000	2150x2000	2150x2000
	1400	1600	CO	TEC	1000	2150x2130	2150x2130
	1400	1600	SO	OEC	1000	2050x2100	2150x2100
	1400	1550	SO	TEC	1000	2050x2190	2150x2190
15/1150	1300	2000	CO	OEC	900/1000	2150x2400	2200x2400
	1300	1900	CO	TEC	900/1000	2150x2430	2200x2430
	1300	2000	SO	OEC	900/1000	2000x2500	2050x2500
	1300	1900	SO	TEC	900/1000	2000x2540	2050x2540
	1600	1500	CO	OEC	900/1000	2200x1900	2350x1900
	1600	1500	CO	TEC	900/1000	2200x2030	2350x2030
17/1275	1350	2100	CO	OEC	900/1000	2150x2500	2800x2800
	1350	2000	CO	TEC	900/1000	2150x2530	2800x2930
	1350	2100	SO	OEC	900/1000	2000x2600	2600x2900
	1350	2000	SO	TEC	900/1000	2000x2640	2600x2990
21/1600	1400	2400	CO	OEC	1100/1300	2800x2800	2800x2800
	1400	2400	CO	TEC	1100/1300	2800x2930	2800x2930
	1400	2400	SO	OEC	1100/1300	2600x2900	2600x2900
	1400	2350	SO	TEC	1100/1300	2600x2990	2600x2990
SPEED		PIT HEIGHT (MM)		OVER HEAD (MM)			
1 M/S		1500 (KG<1000), 1600 (KG>1000)		CH + 1600 (KG<1000), 1800 (KG>1000)			
1.75 M/S		1600 (KG<1000), 1800 (KG>1000)		CH + 1800 (KG<1000), 2000 (KG>1000)			
2 M/S		1700 (KG<1000), 2000 (KG>1000)		CH + 2000 (KG<1000), 2200 (KG>1000)			

Note: For more information and technical support, please contact your local distributor.





GENERAL PRODUCT INFORMATION

Speed 1.0 m/s, 1.75 m/s, 2 m/s, 2.5 m/s

Load 450 kg, 630 kg, 800 kg, 1000 kg, 1150 kg, 1275 kg, 1600kg

Max. Stops 10(1.0 m/s), 20(1.75 m/s), 24(2.0 & 2.5 m/s)

Max. Travel 30(1.0 m/s), 70(1.75 m/s), 80(2.0 & 2.5 m/s)

Car Height Standard: 2300mm / Special Order:2700mm

Door Height Standard: 2100mm / Special Order:2400mm



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 & 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 **TECNOVA** 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



Address: No.5, North Vatanpoor St., Andarzgoo BLVD., Tehran, IRAN, **Postal Code:** 19378 36814
Tel: +98 21 75364, **Fax:** +98 21 267 69 918, **Website:** www.tecnova-cm.com