

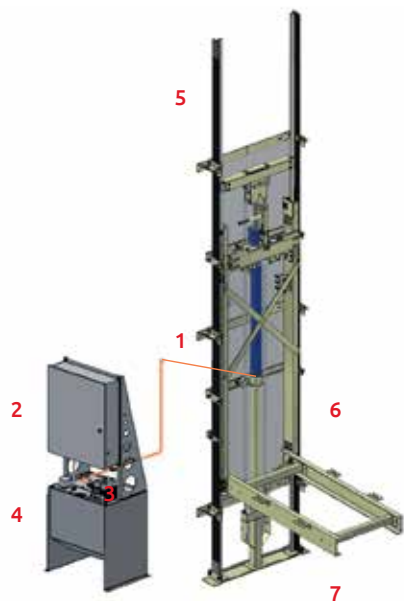


Elvoron Stella

Residential Elevator

Technical Information

Drive System



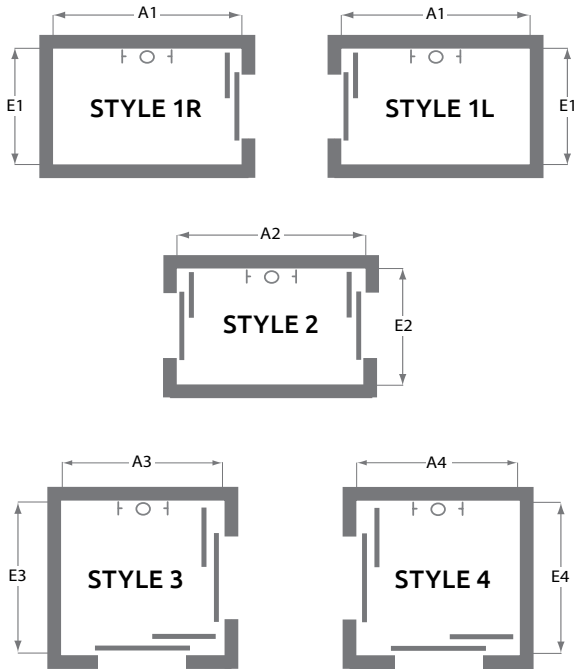
1. 1:2 Cable hydraulic drive with automatic leveling, emergency manual lowering and instantaneous safety brake system.
2. Computerized (PLC) controller has an emergency backup power system for lowering in the event of power failure.
3. Two-speed hydraulic control valve provides smooth, comfortable starting and stopping.
4. Submersed hydraulic pump and motor ensures quiet operation.
5. Sturdy 8 lbs per foot elevator guide rail system ensures a smooth, quiet ride.
6. Heavy duty cantilevered car support sling provides capacity of up to 1,400 lbs (635 kg).
7. Minimum pit depth is 14" (356 mm).

Specifications

Related Load	1400 lbs (635 kg) Option 1000 lbs (455 kg)
Speed	Standard 40 fpm (0.2 m/s) nominal speed
Travel Range	32 ft (9.75 m) with 1400 lb (625 kg) capacity. 36 ft (10.9 m) with 1000 lb (455 kg) capacity
Overhead Clearance	135" (3429mm). 114" (2896mm) with car top prop
Drive System	1:2 Cable Hydraulic. Heavy duty car sling with roller guide shoes running on 8 lb. per foot steel T-Rails. Quiet submersed pump and motor. Factory pre-set and tested 2-speed valve for smooth start and stop
Controls	Fully automatic push button operation. Garaventa-Design PLC Controller. Integrated self-diagnostics. Digital floor indicator in car. Automatic car lighting upon entry. Illuminated push buttons
Power Supply	Elevator: Standard 230 VAC single phase. Option 208 VAC three phase. Lighting: 110 VAC single phase, 15 amps
Doors	36" x 80" (914mm x 2032mm) two-speed horizontal sliding hoistway and car doors
Safety Features	Emergency battery lowering system. Emergency manual lowering valve. Safety brake system Automatic bi-directional floor levelling. Stop keyswitch and alarm button in car. Final limit switch. Overspeed valve. Pit Prop
Unique Standard Features	Car direction lantern comes with audio and visual signals. Full height photo-electric door sensors
Code Compliance	ASME A17.1/CSA B-44. Section 5.2 LU/LA Elevators. ADA (Americans with Disabilities Act)
Popular Options	Integrated telephone. Glass wall panels and a glass enclosure (panorama elevator). Custom car finishes. Additional handrails. Buffer springs (increases your pit depth)
Warranty	2 year standard warranty. Optional additional 5 year extended warranty (7 years)

Dimensions

Exit and Entry Configurations



NOTE: If compliance to the Americans with Disabilities Act (ADA) is required, Style 3 or 4 elevators are restricted to use in existing buildings only. Typically, ADA compliance is only required for commercial or public buildings.

Hoistway Dimensions

	Style 1R & 1L		Style 2		Style 3		Style 4	
	mm	in	mm	in	mm	in	mm	in
Car Size – 48" x 54" (1220 x 1372)								
Hoistway Width	1753	69*	1753	69*				
Hoistway Length	1854	73	2070	81 1/2				
Car Size – 42" x 60" (1067 x 1524)								
Hoistway Width	1753	69*	1753	69*				
Hoistway Length	2007	79	2223	87 1/2				
Car Size – 51" x 51" (1295 x 1295)								
SEE NOTE ABOVE REGARDING ADA COMPLIANCE FOR STYLE 3 & 4 CABS								
Hoistway Width					2000	78 3/4	2000	78 3/4
Hoistway Length					1829	72	1829	72

*66" (1676 mm) hoistway width may be feasible. Consult with your local Garaventa Lift Representatives.




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