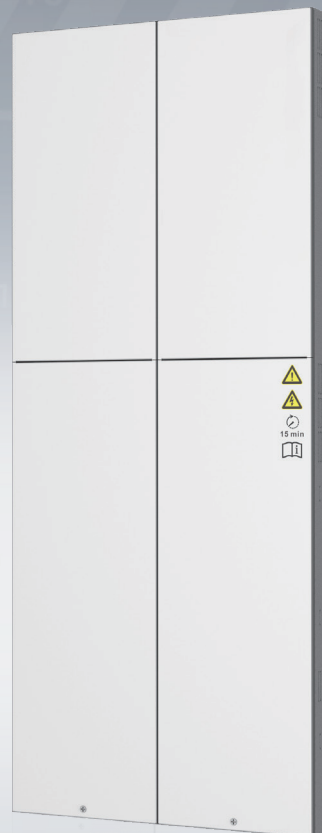


ACE2000 Series

ACE3000 Series

Home Elevator Intelligent controller



Safety and reliability

- Highest standard: CE-related requirements are satisfied, allowing for higher quality.
- Multi-level protection: The intelligent rescue and manual rescue modes are integrated to guarantee more reliable operation.

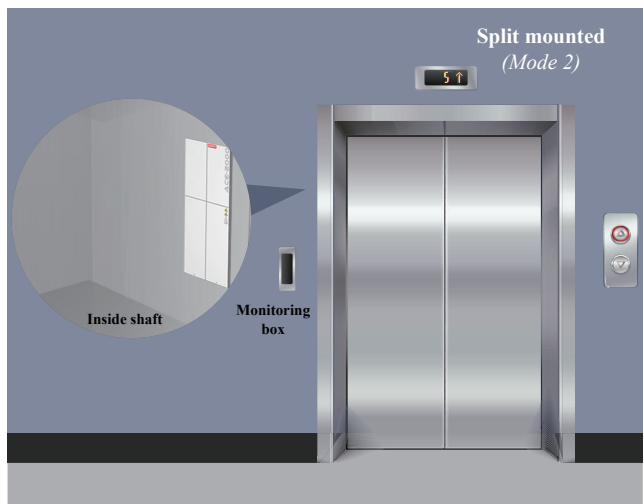
Comfortable experience

- Stable operation: The acceleration and deceleration curves are optimized to provide more comfortable user experience.
- Mute control: The system produces noise lower than 40 dB while running, providing a more peaceful space.

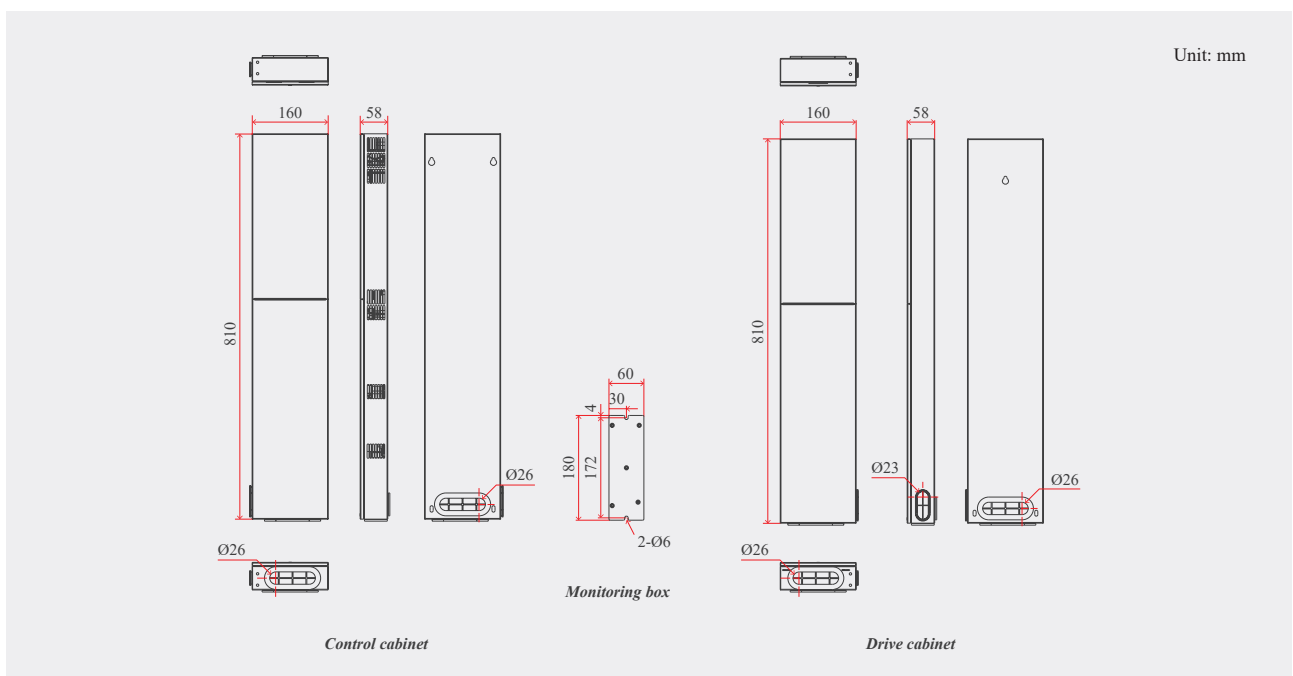
Lean design

- Fine and compact: The super-slim design enables installation in a more concealed place, allowing you to have more elegant elevators.
- Flexible installation: The Gemini modeling fits up to the building style and takes full advantage of the building space, supporting multiple installation methods inside and outside the hoistway.

■ Multiple Installation Methods



■ Product Dimensions



■ Product Specifications

Model		Power Capacity (kVA)	Input Current (A)	Output Current (A)	Applicable Motor (kW)	Braking Resistor
Single-phase 220 V	ACE2000-A-2S16	5.9	25.3	16	3.7	External
Three-phase 380 V	ACE2000-A-4T13	8.9	14.8	13	5.5	External

■ Technical Specifications

Item		Specification		
Power supply	Number of phases, voltage, and frequency	220 V AC control cabinet: Single-phase 220 V AC, 50/60 Hz		380 V AC control cabinet: Three-phase 380 V AC, 50/60 Hz
	Allowable voltage fluctuation	−15% to +15%		
	Allowable frequency fluctuation	−5% to +5%		
Basic features	Maximum number of floors	Seven floors (For elevators with more than seven floors, consult the manufacturer.)		
	Elevator running speed	≤ 1m/s		
	Rescue functions	Intelligent automatic rescue, rescue with ARD, and rescue with electric brake release		
Drive features	Control mode	FVC, supporting sin-cos, ABZ, and communication encoders		
	Carrier frequency	2 kHz to 16 kHz (automatically adjusted based on load characteristics)		
	Starting torque	0.5 Hz/180% (SVC)		0 Hz/200% (FVC)
	Speed control range	1:100 (SVC)	1:1000 (FVC)1:50 (V/f control)	
	Speed control accuracy	±0.5% (SVC)		±0.05% (FVC)
	Torque control accuracy	±5% (FVC)		
	Frequency control range	0 Hz to 99 Hz		
	Frequency accuracy	±0.1%		
	Protection features	Output overload protection	60 seconds for 150% of the rated current; 2 seconds for 200% of the rated current	
Output interphase short-circuit protection		Protect the motor against short circuit between any two phases before and during motor operations.		
Output protection against short-circuit-to-ground		Protect the motor against short-circuit-to-ground of any phase before and during motor operations.		
Braking resistor short-circuit protection		Protect against short circuit of the braking resistor during the braking process.		
Input phase-loss protection		Protect the motor against loss of any phase before and during motor operations.		
Output phase-loss protection		Protect the motor against loss of any phase during motor start or operations.		
Protection against input power connection error		The L11/N11 single-phase load power supply comes standard with the power-on overvoltage protection function.		
Environment	Ambient temperature	−10°C to +50°C (derate the power when the ambient temperature is above +40°C)		
	Humidity	< 95% RH, non-condensing		
	Vibration	< 5.9 m/s² (0.6 g)		
	Storage temperature	-20°C to 60°C		
	Installation environment	Indoors (without corrosive gas and dust)		
	Pollution degree	PD2		
	IP rating	IP20		
	Altitude	≤1000 m (For an altitude above 1000 m, derate the power by 1% for every additional 100 m.)		