

VEICHI

S200 Serie
Integrated Construction Hoist AC Drive

VEICHI

Suzhou Veichi Electric Co., Ltd.

No. 1888 Songwei Road, Guoxiang Sub-district, Wuzhong District,
Suzhou, Jiangsu, China

Tel: +86-512-6617 1988

Service Hotline: 400-600-0303

Fax: +86-512-6617 3610

<https://www.veichi.com>



Version Y6/2-09.
Specifications subject to change without notice.
Copyright Veichi Electric Co., Ltd. All rights reserved.
Reproduction prohibited.



Integrated Construction Hoist AC Drive

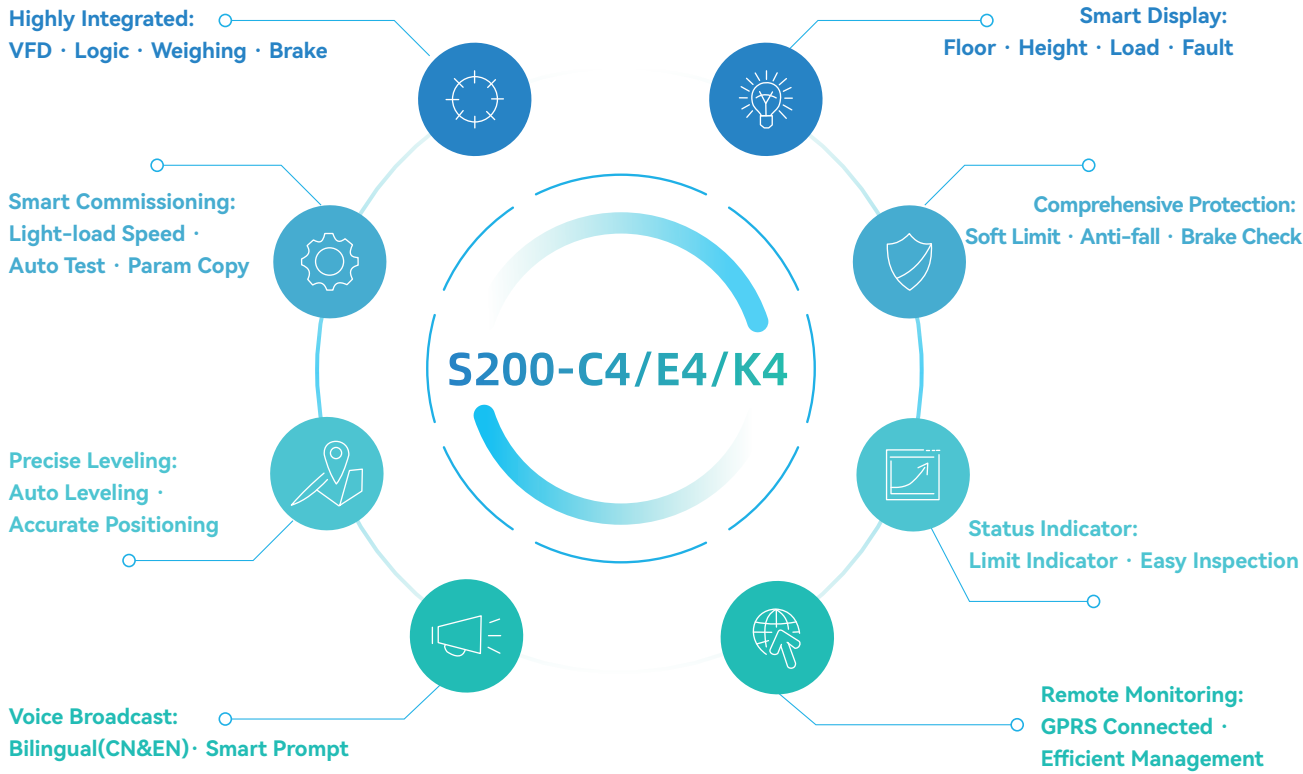
Stock Code: 688698

INTEGRATED CONSTRUCTION HOIST AC DRIVE

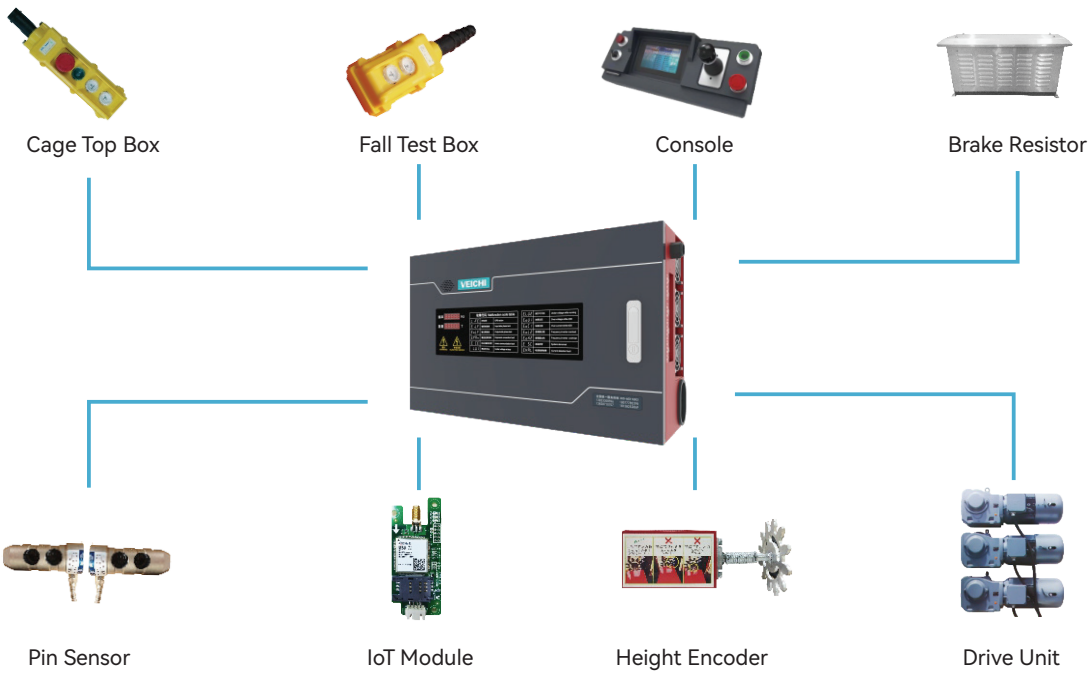


- Purpose-built integrated system for construction lift electrical control
- Integrates VFD control, logic control, lifting weight limiter, and brake unit
- Complete functions, stable performance, easy installation, elegant appearance
- Delivers comprehensive, high-performance, safe, and reliable solutions
- Models: S200-C4, S200-E4, S200-K4

S200-C4/E4/K4 Product Features



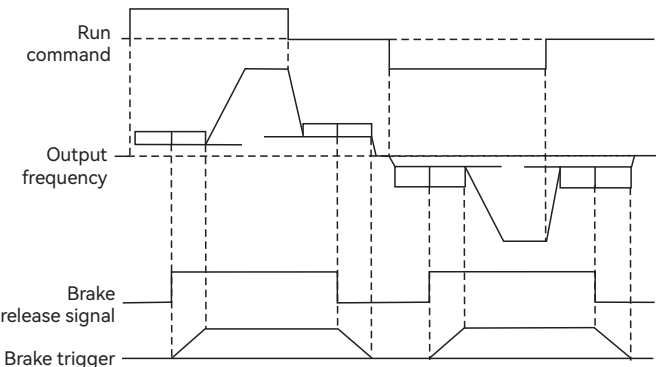
System Components



System Product Features

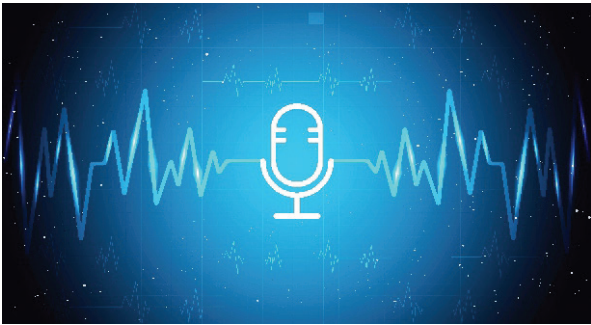
Redundant brake-circuit safety

- ◎ Dual-signal, dual-brake redundant design
- ◎ Real-time torque check before/while braking prevents sliding
- ◎ Sequential brake logic for reliable open/close



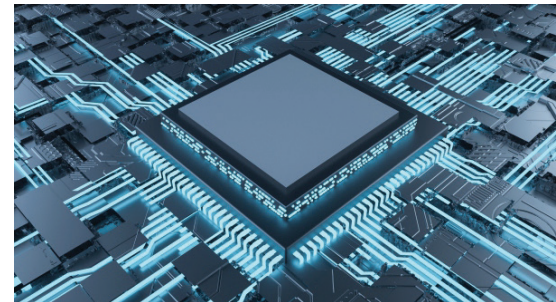
Voice broadcast

- ◎ Real-time fault, command, limit, e-stop prompts
- ◎ Chinese/English selectable



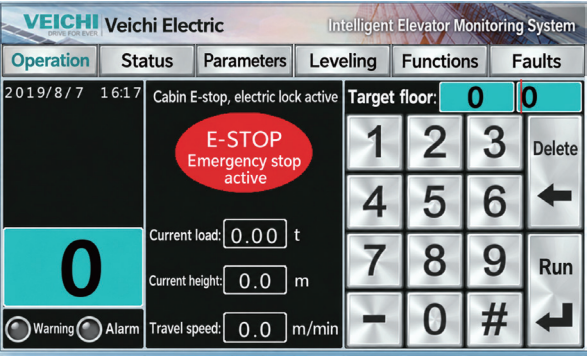
Pre-authorization settings

- ◎ Built-in clock/calendar chip
- ◎ Exact pre-authorization time
- ◎ Remote device management



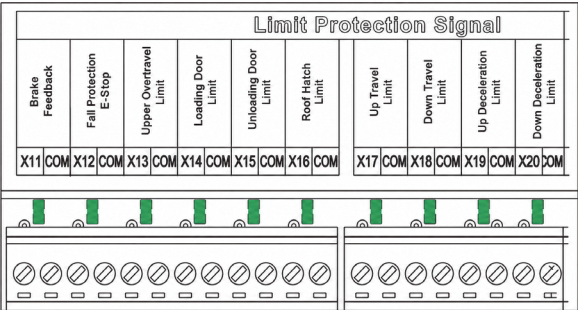
HMI

- ◎ Floor, height, load, direction, speed display
- ◎ Auto leveling; accuracy $\leq 2\text{mm}$
- ◎ Easy floor storage



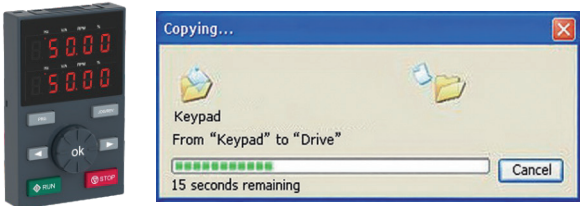
Status display

- ◎ Clear LED for limit & operation status
- ◎ Easy maintenance



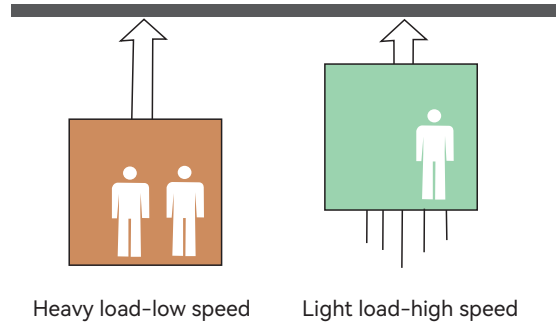
Keypad parameter copy

- ◎ Full parameter set storage
- ◎ Batch download/copy



Field-weakening speed-up (for light load)

Light/empty cage auto field-weakening (constant power) for higher speed



Automatic test

Auto cycle test mode cuts pre-delivery debugging time

Soft limit

- ◎ High-accuracy encoder feedback of cage position
- No top/bottom over-travel even if limits stick

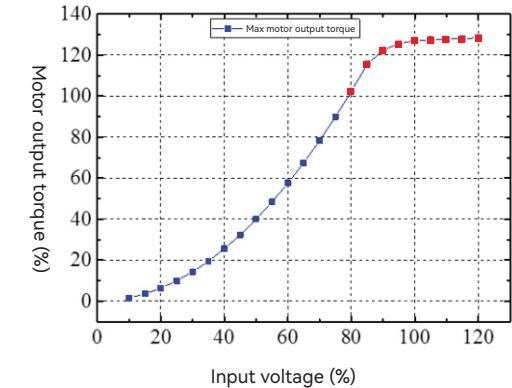


- ◎ **Dual deceleration limit**
- Upper/lower decel-limit interfaces
- Independent, non-interfering
- Fast entry to high-speed
- Higher carrying efficiency

- ◎ **Decel optimization** (for hoists without decel-limit switches)
- Built-in stop algorithm when enabled
- Precise stopping in normal operation

Undervoltage frequency derating

- ◎ Auto frequency drop on voltage sag to meet motor torque demand
- Sliding prevention from torque loss
- ◎ Wide input range: $\pm 20\%$ of rated



Motor output torque vs input voltage

Easy maintenance

- ◎ C4 design for field-service convenience
- ◎ Right-opening mid-board & Modular components
- ◎ No complex peripheral circuits
- ◎ Easy part replacement by non-professionals

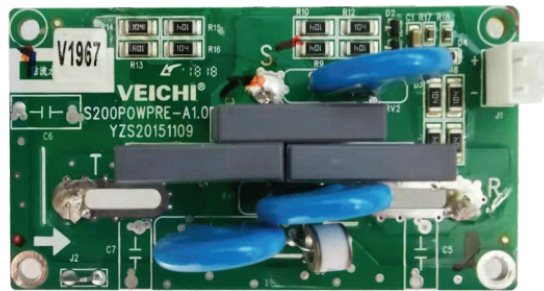


Motor real-time auto-tuning

- ◎ Auto capture of motor dynamic parameters in operation
- ◎ Stator-resistance rise after heating $\rightarrow$ torque drop
- ◎ Max torque in all operating conditions

Lightning protection

- Ⓢ Built-in lightning absorption module
- Ⓢ Gas-discharge ground-release technology
- Ⓢ Induced & direct lightning protection



Braking torque detection

- ⊙ Periodic brake-assembly inspection reminder for safe operation
- ⊙ Principle: 120% rated torque output with brake locked
- ⊙ Shaft displacement → torque-insufficiency audible/visual otherwise normal

Naming Rules

S200 - E4 - 037B

Product series:
Integrated construction
hoist ac drive

Model code:

- E4: 4th Gen E models
- C4: 4th Gen C models
- K4: 4th Gen K models

Brake type:
B: Energy consumption brake

Drive power (kW)

037: 37kW

045: 45kW

055: 55kW

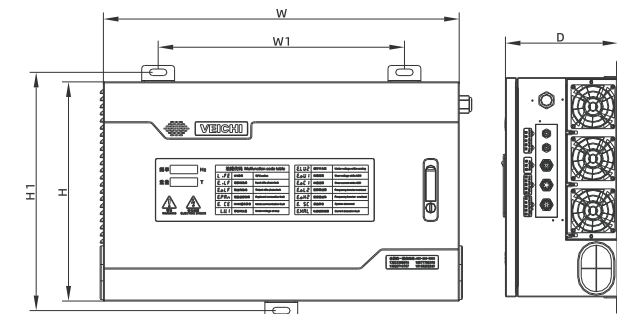
075: 75kW

C4/E4 Series Specification

Model	Power (kW)	Rated Current (A)	Motor Power (kW)*Motor Qty.
S200-E4-037B	37	75	11*3/15*2
S200-E4-045B	45	90	13*3/22*2
S200-E4-055B	55	110	15*3
S200-E4-075B	75	150	18.5*3/26*2
S200-C4-037B	37	75	11*3/15*2
S200-C4-045B	45	90	13*3/22*2
S200-K4-037B-2	37	75	11*3/15*2
S200-K4-045B-2	45	90	13*3/22*2

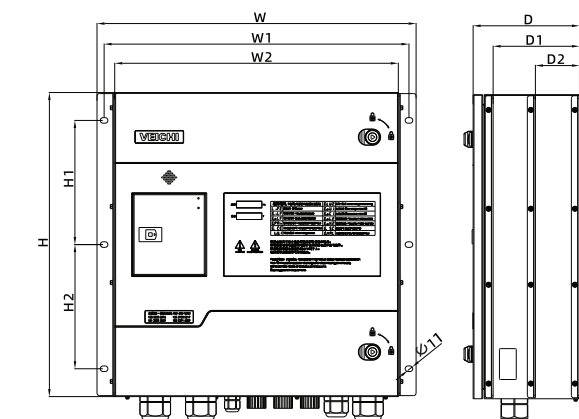
Installation Dimensions

S200-C4 Installation Dimensions



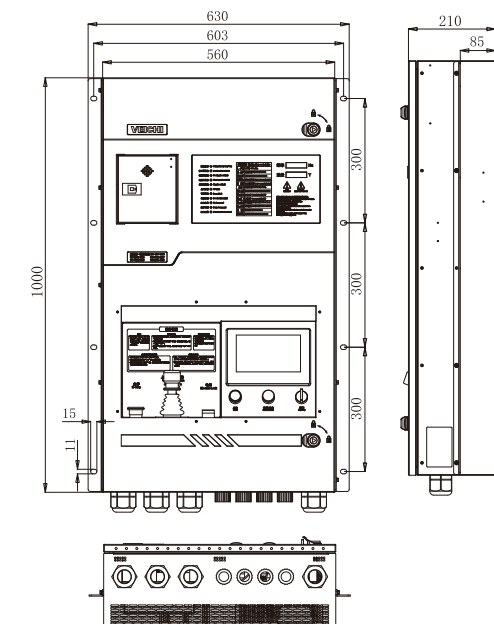
Model	Outer dimensions(mm)			Installation dimensions(mm)		Installation aperture
	W	H	D	W1	H1	
S200-C4-037B	650	400	205	400	435	φ12
S200-C4-045B						

S200-E4 Installation Dimensions



Model	Outer dimensions (mm)			Installation dimensions(mm)					Installation aperture
	W	H	D	W1	W2	H1	D1	D2	
S200-E4-037B	630	600	210	602	560	245	170	87	φ11
S200-E4-045B									
S200-E4-055B									
S200-E4-075B									

S200-K4 Installation Dimensions



Model	Outer dimensions (mm)			Installation dimensions(mm)					Installation aperture
	W	H	D	W1	W2	H1	D1	D2	
S200-K4-037B-2	630	1000	210	603	560	300	85	132	φ11
S200-K4-045B-2									