

C6 series

Electric Chain Commercial Hoist

Rated load	Lifting height	Speed	Voltage	Rated power
1000kg	Standard: 12m (standard configuration)	4.2m/min	AC220V/50Hz	1000W

Designed to meet the lighting truss lifting needs of hotel banquet halls, multifunctional conference centers, and performance stages. It uses variable frequency technology for constant-speed driving, enabling multiple units to be synchronized for simultaneous lifting. It can also be controlled through PC programming to vary the speed of each hoist, creating dynamic stage effects. The product is designed in strict accordance with BGV-D8/D8+/C1 standards.

Main Functions

Built-in Variable Frequency Circuit:

Capable of variable speed or constant speed operation, ensuring consistent performance under both heavy and light loads.

Low Voltage Control:

Uses low-voltage dry contact and RS485 control.

Brake System:

Heavy-duty DC electromagnetic brake, safe and durable, with the option to choose between single or double brakes.

Precise Helical Gears:

Quieter operation with noise levels as low as 68 decibels.

Externally Mounted Clutch in Gear Transmission System:

Compliant with international safety standards.

Overload Protection and Power Failure Protection:

Provides overload protection with a split clutch when the load exceeds 120%. In the event of dynamic overload, the electronic power lock activates. In case of a sudden power outage, the external DC brake engages a self-locking protection function.

Encoder:

Provides position, angle, and rotation information to work with the built-in circuit board for control.

Built-in Adjustable Limit Switch:

The adjustable limit switch allows the hoist to stop at any preset position during ascent or descent, preventing overtravel.

Fully Enclosed Sprocket Cover and Upper/Lower Limit Device:

The fully enclosed sprocket cover design prevents the chain from slipping off the hoisting sprocket. It includes upper and lower chain limits to prevent the chain from exceeding its travel range.

Electronic Travel Positioning:

The desired upper and lower travel limits can be set via PC or control panel.

Protection Rating

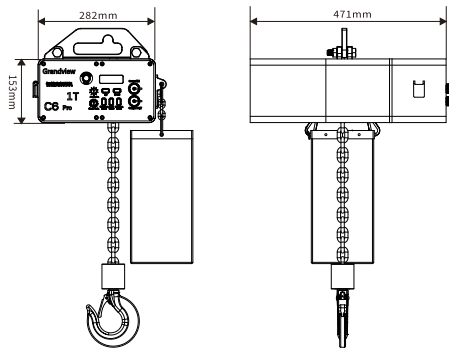
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Lightweight and Durable Housing:

Made of cast aluminum and aluminum profiles.

Compliance:

Meets BGV-D8/D8+/C1 standards.



C6 Technical Specifications

Model	Rated load (kg)	Lifting speed (default)	Rated power (W)	Ultimate breaking force (kg)	Maximum telescopic travel (mm)	Number of lifting chains	Chain dimensions (mm)	Net weight of the hoist (kg)	Noise level
GCRT10012	1000	4.2m/min	1000	8000	12000	1	7.1*21	51	68dB

GUANGZHOU GRANDVIEW CREATIVE TECHNOLOGY CO., LTD
A: No.1 Building of No.43 South International Trade Avenue, Hualong Town, Panyu District, Guangzhou China.
T: 86-20-84899499 F: 86-20-84805299
W: www.grandviewscreen.com



Grandview website

C6 serie

Intelligent Variable Frequency Hoist



External load clutch	8:1 Mechanical safety factor	Two upper and two lower limit switches	Dual brake system
Built-in CNC system	68 Decibels	AC 220V Input	1000KG Load capacity