

Grandview

# COMMERCIAL INTELLIGENT RIGGING SYSTEM



**K3 series** Constant Speed Hoist

Travel Distance: 12m Speed: 1.8 or 2.6m/s

Manganese Steel Chain

250-500kg

# K3 series

## Electric Chain Commercial Hoist

<b>Rated Load</b> 250 -500kg	<b>Lifting Height</b> Standard 12m (default configuration)	<b>Speed</b> 1.8—2.6m/min	<b>Voltage</b> AC220V
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This system integrates CNC (Computer Numerical Control) technology into standard hoists, enabling grouped operation with high-efficiency synchronization. It is ideal for hotel banquet halls, multifunctional conference centers, and other venues. Additionally, it supports PC programming to control hoists at different speeds, creating dynamic stage effects. Equipped with a self-developed wireless administrator controller, it ensures enhanced safety for both remote and on-site operations.

### Key Features

#### Built-in CNC Circuit

Clear visibility of position and speed.

#### Integrated Control System

Supports remote control via RS485 port.

#### Low-Voltage Control

Uses low-voltage dry-contact control.

#### DC Brake System

Heavy-duty DC electromagnetic brake, ensuring safety and durability.

#### Gear Transmission

Precision helical gear reducer with full-load operation noise as low as 68 decibels.

#### Overload Protection

Electronic current-limiting overload protection design restricts loads to within 20% of the rated weight, preventing extreme overload and associated risks effectively.

#### Incremental Encoder

Provides real-time feedback to the control system, forming a closed-loop detection mechanism. It supports the creation of dynamic stage effects and allows for customized travel positioning.

#### Mechanical and Electronic Dual Limit Switches

Adjustable limit switches automatically stop the hoist at any preset position during ascent or descent, preventing over-travel.

#### High Duty Cycle

Industrial-grade motor suitable for high-intensity applications with ISO-M5/FEM-2M+ duty rating, allowing a 50% duty cycle or up to 300 start-stop cycles per hour.

#### Lifting Chain

G80 lifting chain with a 6:1 safety factor.

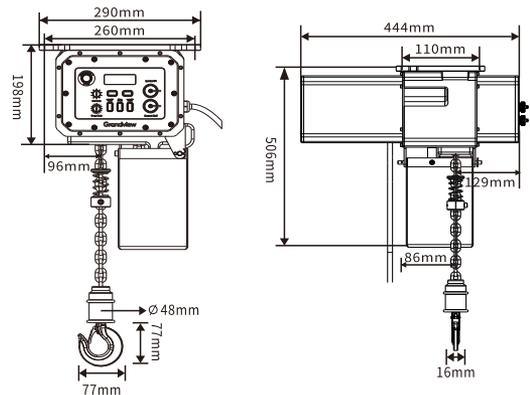
#### Protection Rating

IP54

#### Lightweight and durable casing

Made of cast aluminum and aluminum profiles

Meets JB/T5317-2016 standards.



### K3 Technical Specifications

Model	Rated Load (kg)	Lifting Speed (Default) (m/min)	Motor Power (KW)	Duty Level		Full Load Current (A)	Number of Chains	Chain Size (mm)	Net Weight of Chain per Meter (kg)	Net Weight of Hoist (kg)	Noise Level
				ISO	FEM						
GCRT 5012	500	1.8	0.2	M5	2M+	1.9	1	6*18	0.8	28	68db
GCRT 2512	250	2.6	0.2	M5	2M+	1.9	1	6*18	0.8	28	68db

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