

# ER3

## SIMPLY THE BEST HOISTS ON THE MARKET !!

*A secondary mechanical load brake is an additional features on ER3 models only.*

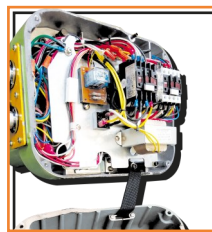
**Aluminum Alloy Body** - used in die casting process, light weight, strong structure and fast heat dissipation.

**IP55 Rating** - for dust and water spray resistant bodies.



### Hook

Designed with double boom design, the card can slow down the swing caused by the single lifting point and increase the safety.



### Electrical Control Settings -

The electrical box cover is equipped with a suspension strap for inspection and maintenance.

Overhanging buckle switch with emergency stop function.

High-strength forged hook - safety factor >5

With a secure snap - on card slot design for extended life.

### Digital Overload Protection Device (optional)

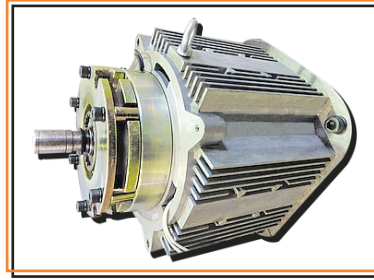
The crane can be safely monitored and the crane can be weighed online.



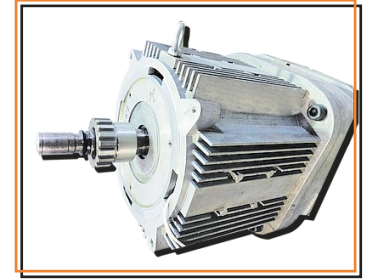
Patent/Publication Number (TW) D187828

Connected in series to a motor circuit, a **Current Driven Electromagnetic Brake** does not release unless the motor is energized.

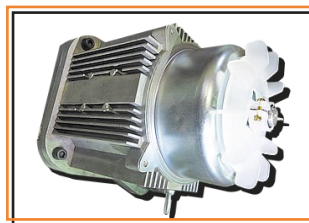
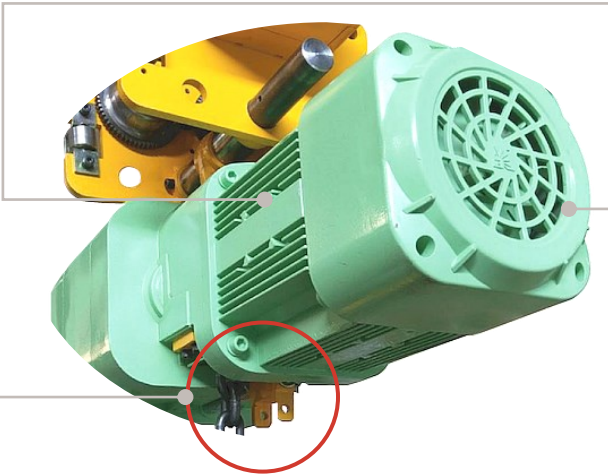
This concurrent drive increases safety of the circuit compared to separate circuits for the motor and the brake.



The brake surface is separated from the motor.



The brake connection tooth pressure angle is designed to be 30 degrees and can be repaired and replaced.

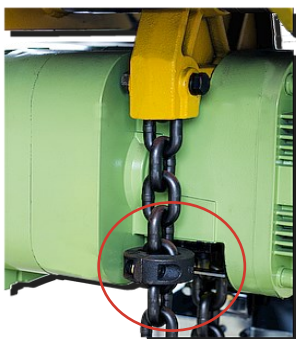


### Motor External Fan

The brakes are waterproof and equipped with a fan to reduce heat build-up, improve motor running performance, and extend coil and bearing life.

### Friction Clutch

Emergency overload protection to slip the force from the motor when subjected to an excessive load over the rated capacity. It is not easily compromised with changes in the surrounding temperature. In the case of irregular loading, this operates in advance to prevent the hoist body or load chain from being damaged.

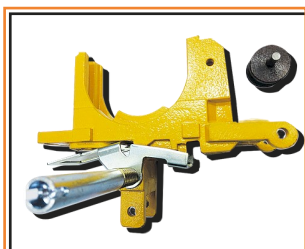


### Limit Switch

If the load is raised or lowered excessively, the limit switch is automatically stopped to prevent damage to the crane or chain.

### Hook Buffer Device

Make sure that the hook is not damaged by a collision when it is in the extreme position.

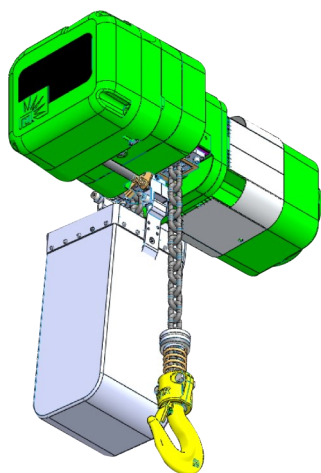


Uniquely-structured **Chain Guide** for smooth chain-feeding.

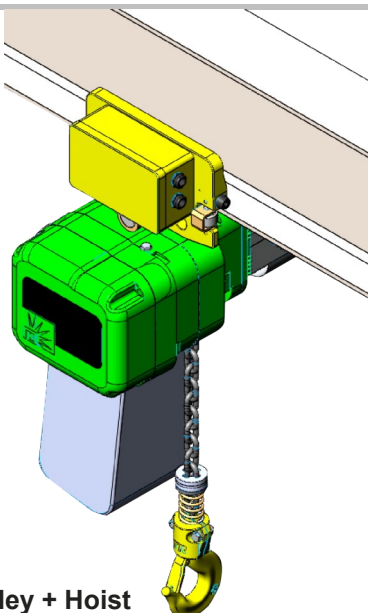


The guide chain, the guide chain roller and the limit device can be directly removed from the lower part of the main unit for convenient maintenance.

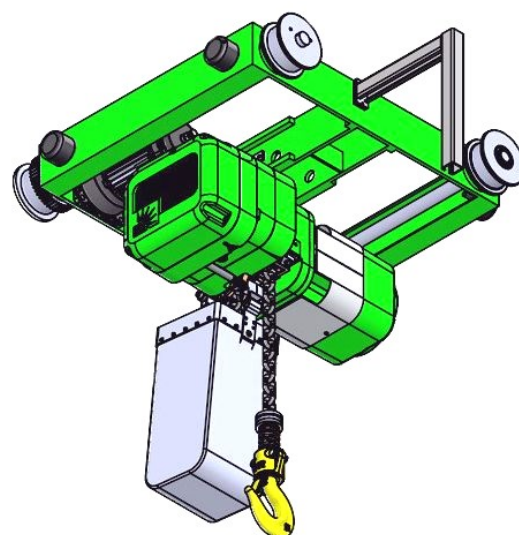
# ER3 Single Speed Type



Fixed Hoist



Motorized Trolley + Hoist



Dual Rail + Hoist

## 2.5 ~ 5 Ton

Type	Hoist Only	ER3-025S	ER3-030S	ER3-050S
	Hoist + Trolley	ER3-025S-MT	ER3-030S-MT	ER3-050S-MT
Rated Capacity (Ton)		2.5	3	5
Lifting Motor Rating %ED		60 %		
Hoist Speed (M/min)	50Hz	5.7	5	2.5
	60Hz	6.8	6	3
Hoist Motor (Kw)	60Hz	3.75	3.75	3.75
Trolley Speed (M/min)	50Hz	15	15	15
	60Hz	18	18	18
Chain Dia X No. Of Falls		Φ11.2 X 1	Φ11.2 X 1	Φ11.2 X 2

## 7.5 ~ 20Ton

Type	Hoist Only	ER3-075S	ER3-100S	ER3-100G	ER3-150G	ER3-200G
	Hoist + Trolley	ER3-075S-MT	ER3-100S-MT	ER3-100G-MT	ER3-150G-MT	ER3-200G-MT
Rated Capacity (Ton)		7.5	10	10	15	20
Lifting Motor Rating %ED		60 %				
Hoist Speed (M/min)	50Hz	1.7	1.4	2.5	1.7	1.4
	60Hz	2	1.7	3	2	1.7
Hoist Motor (Kw)	60Hz	3.75	3.75	3.75 X 2	3.75 X 2	3.75 X 2
Trolley Speed (M/min)	50Hz	10	10	10	10	10
	60Hz	12	12	12	12	12
Chain Dia X No. Of Falls		Φ11.2 X 3	Φ11.2 X 4	Φ11.2 X 4	Φ11.2 X 6	Φ11.2 X 8