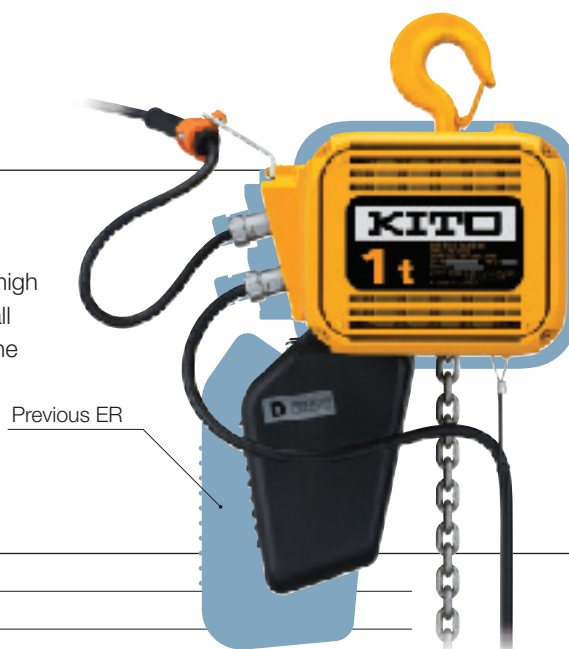


# Compact Body

## Light weight

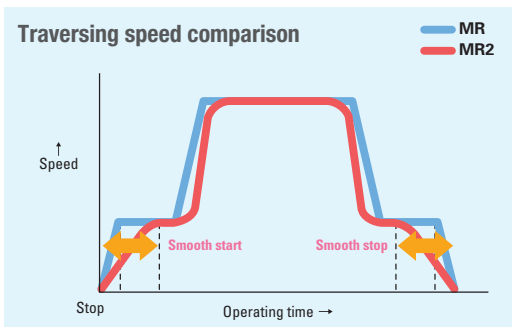
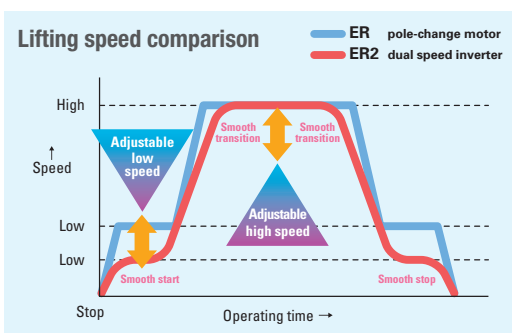
The compact aluminum die-cast body has exceptional rigidity as well as, high dust-protection and water-protection. It has a simple structure with a small number of parts. Fine-tuned profile of the load chain link benefits loss of the hoist body weight compared to the previous ER.



## ER2 Outline

Rated capacity:	Single speed – 125 kg to 20 t Dual speed – 125 kg to 5 t
Voltage:	220-230 V 50/60Hz 380-415 V 50 Hz 380-440 V 60 Hz 500 V 50 Hz (pole change for dual speed) (460 V 60 Hz for specific regions)
Control voltage:	24 V (110 V for specific regions)
Duty rating:	Single speed – 60% ED (60 min.) Dual speed – 40/20% ED (30/10 min.)
Classification:	M4, M5 (ISO); 1 Am, 2m (FEM); H4 (ASME)
Motor insulation:	Class B for 220-230-50/60 and 500-50 (460-60) Class F for 380-415-50 and 380-440-60
Enclosure:	Hoist body – IP55, Push button control - IP 65
Suspension varieties:	Hook, manual trolley, motorized trolley
Operating temperature:	-20 to 40 °C (-4 to 104 °F)
Operating humidity:	85%RH or less

# Smooth & Ergonomic Operation



## Inverter

### smooth transitional speed

The dual speed inverter delivers smoother movement than the pole change motor, reducing load swing. The high to low speed ratio can be set to a large value. This results in smooth starts, improved low speed stops, and improved positioning accuracy. The standard speed ratio is 6:1 adjustable up to 12:1\* for lifting and 10:1\* for traversing.

ER2/MR2 inverter unit is well-customized for lifting/traversing applications including exclusive software with optimum control and is also provided with measures against impact and heat which were verified through long run tests.

\*For a speed ratio other than the standard, please make a request at the time of placing an order.

Accelerating and decelerating time in addition to speed are adjustable for dual speed inverter trolley.