



- Standards:
- > 400V / 50Hz
  - > Frequency inverter for 2 lifting speeds
  - > Contactor control for single speed
  - > CH-Meter: operating hours / number of starts
  - > Ergonomic push button control
  - > Electromagnetic brake
  - > Upper-lower limit switch
  - > Canvas chain container
  - > Nickel-plated load chain DAT (G 80) Standard EN 818-7
  - > Thermal protector
  - > Carbon friction clutch

## KITO HOISTS

Always on the safe side

- Options:
- > 500 V / Contactor control
  - > 230 V / 50 Hz / 60 Hz, 3 phase
  - > Rubber bumpers for motorized trolleys
  - > Additional mechanical brake
  - > Electrical overload limiter
  - > Acoustic overload signal
  - > Radio remote control
  - > Variable speed control
  - > Level limit switch
  - > Steel chain container
  - > Trolley versions: motorized, geared and plain

- 1. Top hook suspension: Hook or overhead mounting suspension can be attached or dismantled with very little effort (except for F-body)
- 2. Aluminium die-cast body: Very robust design, extreme durable body
- 3. Chain container: Canvas chain container
- 4. Load chain: Nickel-plated load chain, grade DAT (G 80) Standard EN 818-7

- 5. Push button control: ergonomic design, improved durability
- 6. Bottom Hook: 360° pivotable, eliminates twisting of the load chain
- 7. External motor fan: Aluminium die-cast motor frame with external motor fan reduces a rise in heating during frequent operation
- 8. Electromagnetic brake: Produces a strong braking power (force) and secures the load

- 9. Thermal motor protector: A sensor cuts the power in the case of overheating
- 10. Chain guide: Uniquely developed design, ensures very smooth chain-feeding
- 11. Gearbox: Helical gears offer a smooth and quiet operation
- 12. Friction clutch: Recently developed by KITO as an overload protection which interrupts the transmission power from the motor

- 13. Direct wiring: Easy to connect and disconnect using special internal connectors
- 14. CH (counter hour) meter and lifting cycle counter are integrated in the frequency inverter: Allows an efficient control of maintenance intervals
- 15. Upper-lower limit switch: Turns the motor off when the highest or lowest points have been reached.

Capacity (t)	Product Code	Body Size	Lifting motor		Lifting speed (m/min.)			Load chain		Classification ISO/FEM	Testload (kg)	Net weight (kg)	Additional Weight per 1 m lift
			Output (kW)	Rating (%ED)	50Hz		Diameter	x Chain falls					
					Fast	Slow							
125 kg	ER2-001IH	B	0,56		Preset	16,6	2,8	4,3	x 1	M6/3m	156 kg	27	0,42
	Adjustable					1,4							
250 kg	ER2-003IS		0,9		Preset	10,8	1,8				313 kg	36	
	Adjustable					0,9							
500 kg	ER2-003IH	C	0,56		Preset	15,7	2,6	6,0	x 1		625 kg	32	0,81
	Adjustable					1,3							
1,0	ER2-005IL	D	0,9	40/20	Preset	4,5	0,8	7,7	x 1	M5/2m	1,25	45	1,33
	Adjustable					0,4							
1,6	ER2-010IL		1,8		Preset	8,5	1,4				2	72	
	Adjustable					0,7							
2,0	ER2-016IS	E			Preset	4,2	0,7	10,2	x 1		2,5	73	2,3
	Adjustable					0,3							
2,5	ER2-020IS	F	3,5		Preset	8,2	1,4				3,13	100	2,8
	Adjustable					0,7							
3,2	ER2-020IL				Preset	6,6	1,1				4	105	4,7
	Adjustable					0,6							
5,0	ER2-025IS	E			Preset	5,2	0,9	11,2	x 2		6,25	128	5,6
	Adjustable					0,4							
5,0	ER2-032IS	F			Preset	3,3	0,6						
	Adjustable					0,3							

\* Note: The high speed is preset to the maximum speed in KITO factory. The speed is adjustable between high and low. Higher capacities on request.

Disclaimer:  
KITO does not assume liability for inappropriate usage of products.  
Operating instructions must be followed at all times.  
Subject to technical change, misprint and errors.

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