PRONOMIC

IN-Lift®

Sensitive Balancing Hoist



IN-Lift® under jib crane





Specially developed by PRONOMIC, IN-Lift® is an intelligent lifting solution. It consists of a servo motor, a servo drive, an integrated load cell, limit switches and a control display.

This ergonomic load-handling equipment is controlled by a processor, ensuring smooth, precise, and responsive operation.

IN-Lift Components

- **Spiral cable:** The spiral cable enables signal transmission between the main motor and the handle.
- **Sensitive handle:** With a simple press on the handle, the operator can control the lifting and lowering of the load.
- **Main motor:** Provides precise control and delivers the lifting power required, according to the selected configuration.
- **Display screen:** The control screen allows numerous settings to be configured and displays the load weight in real time.

Key advantages

The IN-Lift® balancer offers high lifting precision and speed. Its positioning is more accurate than that of an electric hoist, while providing greater responsiveness than a pneumatic hoist.

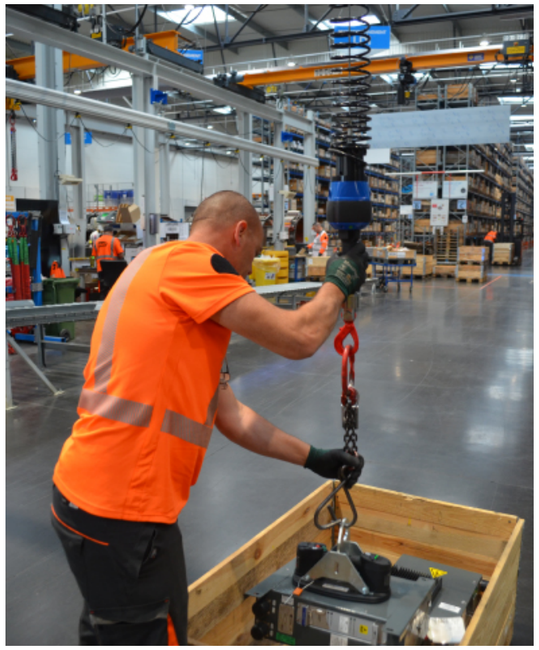
Customer benefits

- More environmentally friendly products, resistant to dust and moisture.
- CE-certified equipment thanks to its high reliability and safety.
- Reduced musculoskeletal disorders, workplace accident risks, and occupational illnesses.
- A significant improvement in productivity and work quality, ensuring a fast return on investment.

Cutting-edge technology with an exceptional performance-to-equipment ratio.

IN-Lift® on suspended rail





A wide range of handles



Coaxial sensitive control



Remote sensitive control



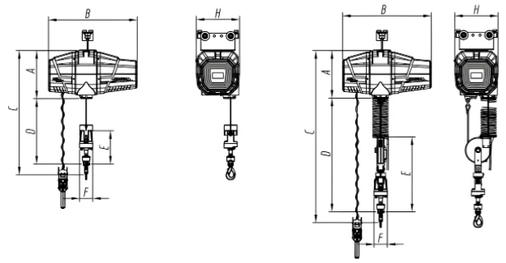
Pendant control with variable-speed paddles

Technical specifications

	IN-Lift® 80/150	IN-Lift® 300	IN-Lift® 600
MAXIMUM LIFTING CAPACITY - Loads and tools	150 KG	300 KG	600 KG
MAXIMUM LIFTING SPEED - Manual mode	30.8 M/MIN	18.4 M/MIN	9.2 M/MIN
MAXIMUM LIFTING SPEED - Suspension mode	27.8 M/MIN	16.5 M/MIN	8.25 M/MIN
MAXIMUM LIFTING HEIGHT	3.5 M	3.5 M	2 M
RATED POWER	1500 W	1 500 W	1 500 W
MAXIMUM CURRENT	12 A	12 A	12 A
MAIN POWER SUPPLY (VAC)	Single phase 200-230 V	Single phase 200-230 V	Single phase 200-230 V
LIFTING CABLE - Stainless steel wire rope	Ø 5.0 MM	Ø 5.0 MM	Ø 5.0 MM
WORKING ENVIRONMENT TEMPERATURE	-10 TO 70°C	-10 TO 70°C	-10 TO 70°C
WORKING ENVIRONMENT HUMIDITY	0–93%, non-condensing	0–93%, non-condensing	0–93%, non-condensing
DISPLAYED WEIGHT ACCURACY (KG)	±1% of rated lifting capacity	±1% of rated lifting capacity	±1% of rated lifting capacity
COOLING METHOD	Ambient or artificial air	Ambient or artificial air	Ambient or artificial air
EMPTY WEIGHT	60 KG	60 KG	60 KG

Dimensions

MODEL	80 KG / 150 KG	300 KG	600 KG
A	376 MM	376 MM	369 MM
B	687 MM	687 MM	687 MM
C	963 MM	963 MM	1328 MM
D	507 MM	507 MM	879 MM
E	257 MM	257 MM	579 MM
F	122 MM	122 MM	122 MM
G	336 MM	336 MM	336 MM



Advantages

Free speed control

IN-Lift® **moves in sync with the operator**. The operator can adjust the speed according to their handling needs and set the approach speed.

Ultra-high speed

IN-Lift® can reach a speed of 40 m/min, which is **twice as fast** as traditional lifting devices.

High positioning accuracy

IN-Lift® has a positioning accuracy margin of around 1 mm, offering **outstanding reliability for the precision lifting** of fragile loads.

Overload protection

A weight sensor **detects the current weight of the load**. When the load exceeds 110% of the rated capacity, automatic protection is activated to keep both the IN-Lift® and the user safe.

Sensitive handle

IN-Lift® is equipped with a sensitive handle that gives the operator a natural response through simple contact with the handle, enabling **faster acceleration and deceleration.**

Balanced floating mode

The operator simply needs to **press the load or end effector with their hands** in order to raise, lower, or move the load into any position.

Infrared sensor

An infrared sensor is integrated into the handle and **automatically stops the IN-Lift®** when there is no signal.





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