



E-LIFT™ Series

Electric Balancers & Hoists



**80 - 600 Kg
Intelligent Balancer**

**0.5 - 5 Ton
Electric Chain Hoist**

Lift Smarter. Work Safer. Produce More.

Delivering the precision, control, safety, and productivity demanded by today's manufacturing operations. From ergonomic load handling to high-performance material movement, E-LIFT™ products help facilities move toward a more efficient and sustainable future.



Why E-LIFT?

As manufacturers seek greater productivity, efficiency, and workplace safety, many are transitioning from traditional pneumatic and hydraulic lifting solutions to advanced electric technologies. The Ingersoll Rand® E-LIFT™ Series combines intelligent control, precise load handling, and proven reliability to help optimize operations, improve ergonomics, and lower overall operating costs.

Why Manufacturers Choose E-LIFT™

- Exceptional Precision & Control – Advanced variable-speed operation and intelligent control technology enables accurate load positioning and smooth handling
- Energy-Efficient Performance – Electric power-on-demand operation helps minimize energy consumption while delivering consistent lifting performance throughout the workday
- Increased Productivity – High lifting speeds, precise movement, and intuitive controls help reduce cycle times and improve operational throughput.
- Enhanced Operator Ergonomics – Designed to reduce physical strain and fatigue, enabling safer and more comfortable operation during repetitive lifting and positioning tasks
- Reduced Maintenance & Downtime – Robust electric-drive technology and durable industrial construction minimize maintenance requirements and maximize uptime.
- Advanced Safety Features – Integrated overload protection, anti-recoil technology, emergency stop functionality, and fail-safe braking systems help protect both operators and equipment.
- Globally Certified Performance – CE, UL, and CSA certified for trusted performance in industrial applications worldwide

Key Vertical Industries



Automotive Manufacturing



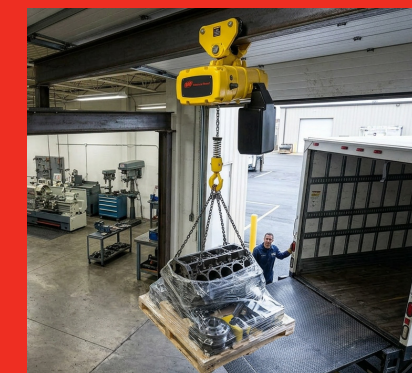
Aerospace & Defense



General Manufacturing



Heavy Equipment &
Industrial Machinery
Assembly Equipment



Material Handling
& Logistics

Our Warranty: 3 Year Limited Warranty

E-LIFT™ Series Electric Hoists and Intelligent Balancers are backed by a comprehensive 3 Year Limited Warranty, providing confidence in the quality, reliability, and durability expected from Ingersoll Rand lifting solutions.



Certified Performance

CE Certified, UL Listed, CSA Certified, IP55 Rated Hoist, IP65 Rated Pendant, Overload Protection, Anti Recoil Technology, Fail Safe Load Braking System

Intelligent Assistance. Unmatched Precision.

E-LIFT™ Series Electric Balancer

The E-Lift™ Series Electric Intelligent Balancer uses advanced servo driven control technology to deliver fast, smooth, and intuitive load handling. With lifting capacities up to 600 kg (1,323 lbs), lifting speeds up to 40 m/min (131ft/min), and millimeter level positioning accuracy, operators can move and position products with exceptional confidence and control.

Key Advantages

- Exceptional Positioning Accuracy for delicate assembly and precise load placement.
 - High-Speed Lifting Performance to reduce cycle times and increase throughput.
 - Reduced Operator Fatigue through intuitive, hand-guided load handling and float mode operation.
 - Improved Productivity with smooth servo-controlled motion and rapid load transfer.
- Advanced Safety Protection including anti-recoil technology, overload protection, and operator presence detection.
 - Intelligent Control & Visibility with OLED display, diagnostics, and programmable operating modes.
 - Enhanced Ergonomics for safer and more comfortable repetitive lifting applications.
 - Globally Certified Performance with CE and UL certifications.



Specs

Configuration	Model Number	Max Capacity* Load & Tool (kg)	Duty Cycle	Max Lifting Speed Unloaded (m/min)	Max Lifting Speed Float Mode (m/min)	Max Travel Range (m)	Rated Power (W)	Lifting Media (Stainless Steel Wire)
EIS Inline Slide Control Handle	EIS017138W16UL	80	H4/Equivalent	40	36	3.5	750	5mm 19 strand x 7 wires
	EIS044138W16UL	200	H4/Equivalent	30	27	3.5	1,500	5mm 19 strand x 7 wires
	EIS066138W16UL	300	H4/Equivalent	15	13.4	3.5	2,000	5mm 19 strand x 7 wires
	EIS132068W18UL	600	H3/Equivalent	7.6	6.7	1.5	2,000	6.5mm 19 strand x 7 wires

* 80 kg & 200 kg models run on single phase 220V; 300 kg & 600 kg models run on three phase 220V

Ingersoll Rand®
E-LIFT™ Series
Electric Balancer



1. Infinite Speed Control:

- Operator controls lifting speed naturally from ultra-slow precision movements to high-speed material handling.

2. Precision Positioning:

- Position loads with millimeter accuracy and speeds below 0.3 m/min for delicate assembly applications.

3. Full Stroke Float Mode:

- Allows direct hand-guided positioning throughout the entire lifting stroke with a minimal force of 250 grams.

4. Ultra-High-Speed Lifting:

- Lifting speeds up to 40 m/min for significant productivity gains.

5. Operator Presence Detection:

- Infrared sensing ensures the balancer only moves when actively controlled by the operator.

6. OLED Smart Display:

- Real-time operating information, diagnostics, modes, and weight indication.

7. Anti-Recoil Technology:

- Prevents sudden motion caused by unexpected load changes.

8. Intelligent Servo Drive System:

- Industrial processor-controlled servo technology delivers smooth, precise motion control.

Technical Highlights:

Parameter	Specifications
Capacity	80 kg to 600 kg
Travel Range	Up to 3.5 m
Lifting Speed	Up to 40 m/min
Display Accuracy	±1%
Inline Handle Options	With Air inlet / Without Air inlet
Wire rope length	5 m / 5.5 m/ 8 m
Power Available for I/O Points	24 VDC, 0.5 A
Lifting Media	Stainless Steel wire
Safety Features	Overload Protection, Anti-Recoil Protection, Power Loss Protection
Certifications	CE & UL

CE & UL certified

Precision Lifting with Advanced Control

E-LIFT™ Series Electric Hoist

The E-LIFT™ Series Electric Chain Hoist combines a high efficiency permanent magnet motor with advanced VFD technology to provide smooth, dependable operation in demanding industrial environments. A unique variable speed pendant allows operators to precisely position loads while maintaining productivity for everyday lifting applications.

Key Advantages

- Flexible lifting solutions with capacities from 0.5 to 5 tonnes and extensive customization options to meet application-specific requirements
 - High-efficiency PMSM motor technology for maximum productivity and reduced energy consumption
 - Smooth, precise load control with advanced VFD technology and variable low-speed positioning
 - Compact, lightweight, and durable design featuring a rugged cast
- Built for challenging environments with IP55 hoist and IP65 pendant protection ratings
 - Long-lasting performance with a corrosion-resistant electro-galvanized load chain
 - Reduced operating costs through energy savings and minimal maintenance requirements
 - Certified to global standards with CE, UL, and CSA approvals



Specs

Model Number	Capacity (kg)	Duty Rating (FEM/ISO)	Lifting Speed (m/min)		Product Weight (kg)	Rated Power (kW)	Headroom (mm)
			Low (Variable)	High			
EVLK0501C10C06103L	500	2m/M5 (40% ED)	2.0 - 5.2	10	42.7	1.1	580
EVLK1001C10C06103L	1000	2m/M5 (40% ED)	1.6 - 4.2	8	46.5	1.5	580
EVLK1002C10C06103L	2000	2m/M5 (40% ED)	0.8 - 2.1	4	50	1.5	620
EVLK2001C10C06103L	2000	2m/M5 (40% ED)	1.9 - 3.8	9.6	95	3.75	1020
EVLK2501C10C06103L	2500	2m/M5 (40% ED)	1.6 - 3.2	8	102	3.75	1020
EVLK1502C10C06103L	3000	2m/M5 (40% ED)	1.3 - 2.6	6.4	112	3.75	1050
EVLK2502C10C06103L	5000	2m/M5 (40% ED)	0.8 - 1.6	4	135	3.75	1100

* 400V/3ph/50Hz



Ingersoll Rand®
E-LIFT™ Series
Electric
Hoist

1. Motor, Brake & Thermal Protection:

- Permanent magnet brushless motor with VFD control for smooth, efficient operation.
- IP55 TEFC motor with Class F insulation for demanding environments.
- DC electromagnetic brake ensures safe load holding during power loss.
- Built-in thermal protection prevents overheating and enables safe lowering.

2. Load Handling System:

- Grade 80 galvanized alloy steel load chain for durability.
- Five-pocket load sheave for smooth operation and reduced wear.
- Modular design for easy maintenance and minimal downtime.

3. Mechanical Brake & Overload Clutch System:

- Integrated 2-in-1 mechanical brake and overload clutch.
- Adjustable friction clutch protects against overload and motor damage.

4. Intelligent Control Panel:

- Automatic phase-error, overheat, and overcurrent protection.
- Smart overload speed control with safety-start functionality.

5. Patented Limit Switch System:

- Upper and lower limit switches prevent over-travel.
- Patented 4-step geared limit switch for precise positioning (available on 2T, 2.5T, 3T, and 5T models).

6. Upper Suspension Options:

- 360° rotating forged steel hook
- Available with plain or motorized trolley.

7. Lower Suspension:

- 360° rotating forged steel hook.
- Option of Self-locking Hook.

8. Pendant Control:

- 2-button or 4-button pendant with dual-speed variable low-speed control and emergency stop.
- IP65-rated waterproof and impact-resistant design.

Technical Highlights:

Parameter	Specifications
Capacity	500 kg to 5,000 kg
Lifting Speed	Up to 10 m/min
Duty Rating	H4 / M5
Motor Type	PMSM
Motor Control	Dual-Speed VFD
Upper Suspension	Steel Hook / Plain Trolley / Motorized Trolley
Lower Suspension	Steel Hook / Self Locking Hook
Lift Height	
Pendant Cable length	Customizable
Power Cable length	
Control Voltage	24V / 110 V
Power Supply	200 - 480 V / 3Ph / 50 - 60 Hz and 575 V / 3Ph / 60Hz
IP Rating	IP55 Hoist / IP65 Pendant
Safety Features	Mechanical Brake, Overload & Thermal Protection, Limit Switches
Certifications	CE, CSA, & UL

CE, CSA, & UL certified

Get Precise Performance

Without Compromise.



Learn more at www.irtools.com



Ingersoll Rand (NYSE:IR), driven by an entrepreneurial spirit and ownership mindset, is dedicated to helping make life better for our employees, customers, and communities. Customers lean on us for our technology-driven excellence in mission-critical flow creation and industrial solutions across 40+ respected brands where our products and services excel in the most complex and harsh conditions. Our employees develop customers for life through their daily commitment to expertise, productivity, and efficiency.

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