



# Industrial Lifting Equipment



# Air Chain Hoists



Air chain hoists are the ideal choice when high speed, high duty-cycle, precision spotting, and the ability to operate in harsh environments are the determining factors. No one knows air chain hoists like Ingersoll Rand.

We offer the broadest range of air chain hoists in the world. This section highlights our offering of production hoists ranging in capacity from 0.125 to 6 metric tons.

The MLK and HLK Series hoists have proven themselves for years in the most difficult environments. The 7700 and 7790 Series hoists are renowned for exceptional speed and load control. The CLK Series hoist offer superior load control and low air consumption.

Our sales team and channel partners are available to help with selection, related accessories, and options to provide the optimal solution to your lifting and positioning challenges. Spare parts and our authorized service centers are there to keep them running in peak condition.

Visit our website at [www.ingersollrandproducts.com](http://www.ingersollrandproducts.com) to see our high-capacity chain hoists (up to 200 metric tons) and other products.

## Choosing the right hoist

Material handling needs differ from application to application. Ingersoll Rand offers numerous hoist types with a range of options that can be matched to meet your specific requirements. When the time comes to select the appropriate hoist for your needs, consider the following criteria:

### Maximum load

Consider the maximum load the hoist will need to accommodate. Ingersoll Rand hoists have weight ratings from 275 lb to 6 tons. Consider hoist speed. The speed requirement of a hoist is dependent on the corresponding cycle time of the task to be performed – lift, transport, lower, return, start again.

### Installation requirements

Ingersoll Rand hoists, whether hook or trolley, can be mounted on several beam configurations. Compact for low headroom requirements, these hoists can be mounted in areas where others can't.

### Air supply

To ensure maximum operating performance, Ingersoll Rand rotary-vane air hoists require air supplies that continually provide clean, lubricated air at sufficient pressure and volume. Ingersoll Rand hoists require 90 psig at 32 to 70 scfm.

### Control method

Our rotary-vane air hoists control lift and descent by admitting proportional amounts of air to the motor through a valve. Ingersoll Rand offers two control systems:

1. Pendant control system — a 3-hose pilot pressure / bleed system opens and throttles the valve.
2. Pull-chain system — operator-controlled pull chains attached to arm open and close the valve.



# CLK Series

Pneumatic hoists: 125-, 250-, and 500-kg models

**Disc brake** is non-asbestos and spring-engaged with an air release that offers significant control while minimizing air consumption.

**A two-stage differential transmission** multiplies motor torque and reduces speed. Oil lubrication helps create maximum durability. Gearing components are made from high-strength, heat-treated steel alloy.

**Forged five-pocket wheel** provides for smooth lifts and enhanced chain life.

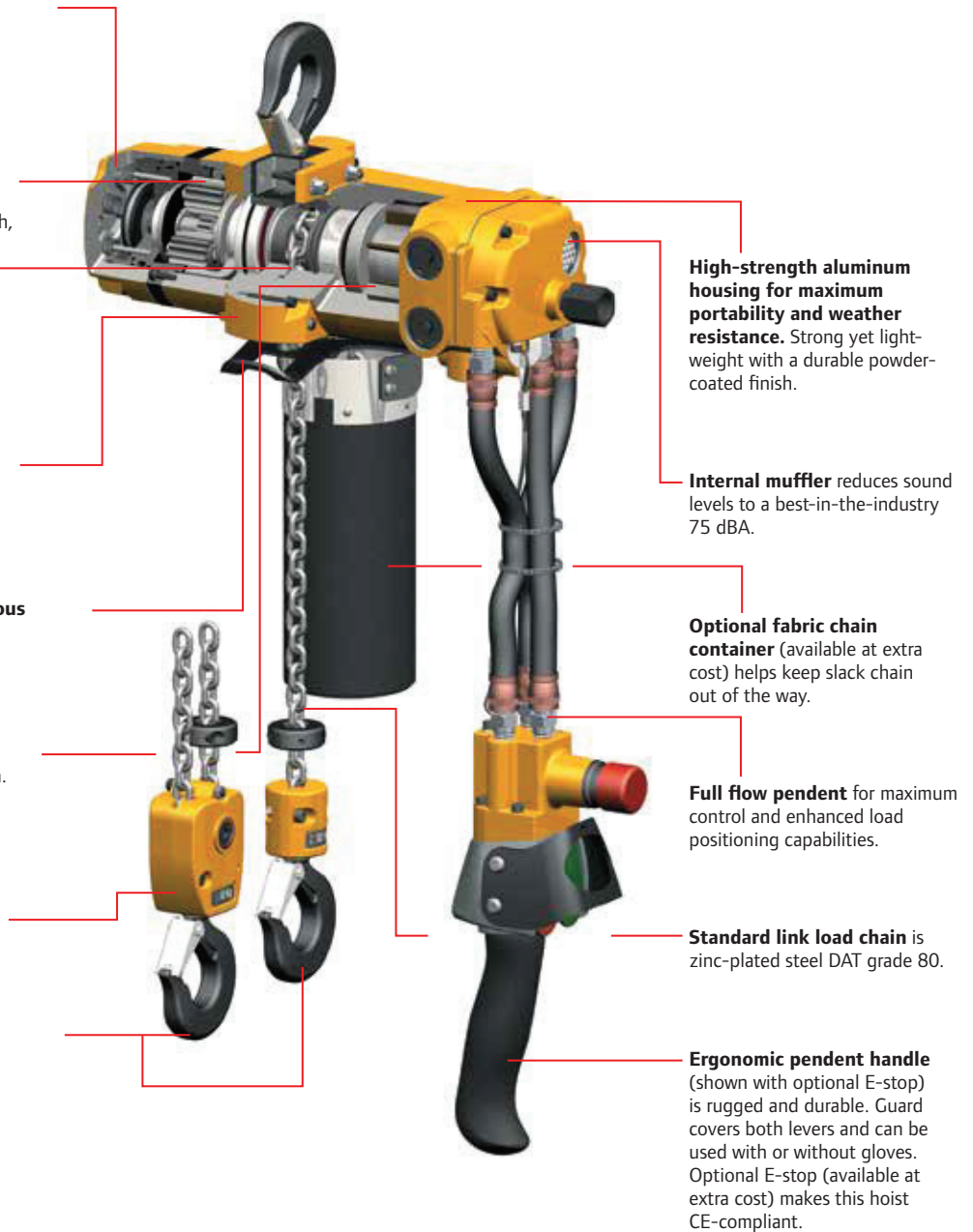
**Specially designed slack chain opening prevents dangerous cross-linking** by guiding chain to the drive wheels.

**Upper and lower limit stops prevent dangerous over-travel of the hook** in either direction, reducing possible damage to hoist and load.

**100% duty cycle multi-vane (6) air motor** offers a high-torque and low-maintenance design. Air porting under the vanes creates smooth operation, positive starting, and long life.

**Double reeving** is used on 500-kilogram units only.

**Bottom latch-type swivel hooks meet OSHA requirements** and are supported by anti-friction needle type thrust bearings.



**High-strength aluminum housing for maximum portability and weather resistance.** Strong yet lightweight with a durable powder-coated finish.

**Internal muffler** reduces sound levels to a best-in-the-industry 75 dBA.

**Optional fabric chain container** (available at extra cost) helps keep slack chain out of the way.

**Full flow pendant** for maximum control and enhanced load positioning capabilities.

**Standard link load chain** is zinc-plated steel DAT grade 80.

**Ergonomic pendant handle** (shown with optional E-stop) is rugged and durable. Guard covers both levers and can be used with or without gloves. Optional E-stop (available at extra cost) makes this hoist CE-compliant.

# CLK Series

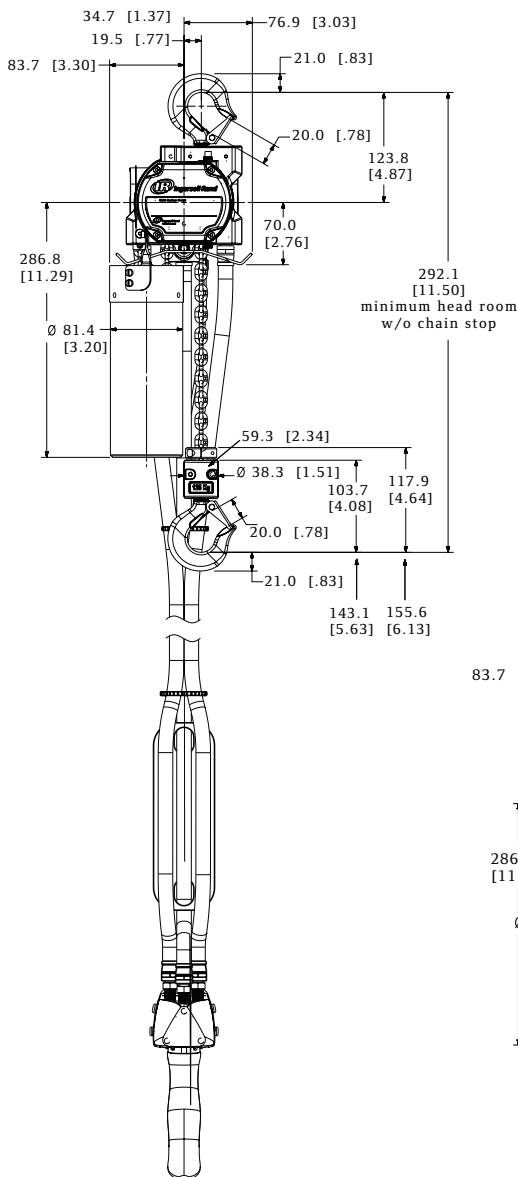
Pneumatic hoists: 125-, 250-, and 500-kg models

## CLK Series Specifications

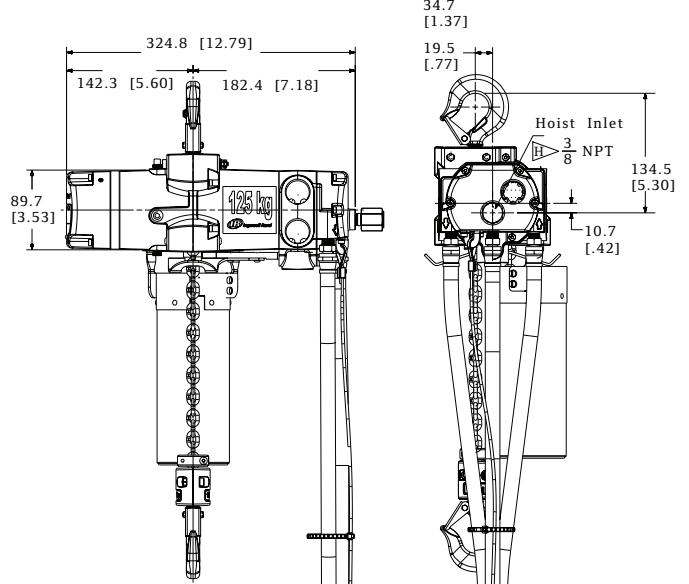
Model	Capacity		# Falls	Hook Mount Headroom		Trolley Mount Headroom		Lifting Speed				Lowering Speed				Chain Size	Chain Weight (per foot of lift)		Net Weight w/10 ft of Lift	
	lb	kg		in	mm	in	mm	Rated Load	No Load	Rated Load	No Load	Rated Load	No Load	Rated Load	No Load		lb	kg	lb	kg
CL125K	275	125	1	11.5	292.1	14.1	358.1	43	13.1	56	17.1	37	11.3	27	8.2	4 x 12	0.24	0.11	34	15.4
CL250K	550	250	1	11.5	292.1	14.1	358.1	32	9.8	56	17.1	45	13.7	27	8.2	4 x 12	0.24	0.11	34	15.4
CL500K	1100	500	2	12.75	323.9	15.35	389.9	15	4.6	26	7.9	22	6.7	13	4.0	4 x 12	0.48	0.22	38	17.2

Working pressure from 5 to 7 bar (70 to 100 psi). Air consumption @ rated load — all models 0.9 m (32 cfm). Air inlet 3/8" NPT. Sound level 75 dBA.

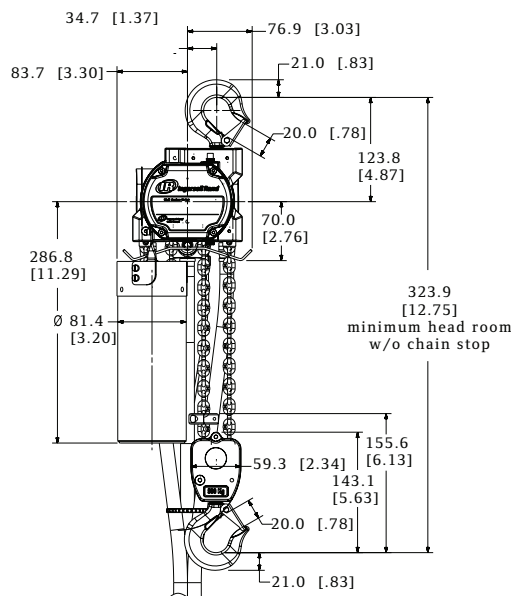
CL125K and CL250K



CL125K and CL250K



CL500K



## Accessories

Pneumatic hoists: 125-, 250-, and 500-kg models

### PT Series Hook-on Trolley

Model	Capacity		Flange Adjustment in	Min. Beam Height in	Min. Curve Radius in	Weight lb	Kit no. (order separate)	Flange Adjustment in	Weight lb
	lb	metric tons							
<b>STANDARD SERIES</b>									
PT005-8	1,100	0.50	2.6 – 8	4	36	19.7	PT005-WFK	8 – 13	5.5

Wheels are cast iron and the universal tread fits either flat or tapered beams.



PT005-8

Cousin to the PT Series trolley, the twin suspension shaft RT Series trolley offers a rigid connection for the CLK Series of air chain hoists. Lug adapter CL250K-425 is required for use with the RT trolley.

### RT010 Series Trolley

Trolley Part Number	Capacity metric tons	Fits Beam Flange Width in	Minimum Turning Radius in
RT010	0.25 – 1	2.7 – 6	36

Wheels have universal tread for use on flat or tapered beams.



### Filters - Regulators - Lubricators

Part No.	Size (in) NPTF	Flow Rate scfm	Adj. Pressure Range psig	Bowl Capacity oz	Height x Width in
<b>TRIO UNITS: FILTERS, REGULATORS, LUBRICATORS</b>					
C38341-810	1/2	150	5 – 250	4	6 x 8.7
C38451-810	3/4	200	5 – 250	4	8.6 x 11.1
C38461-810	1	215	5 – 250	4	8.6 x 11.1



C38341-810

### Quick Exhaust Valves

Part Number	For Use With	Control Type	Style	Pendent Length ft
MR-939	All CLK Series	Full-flow	3/8" NPT	15 – 40

The first pair of full-flow valves will be installed between 7 and 8 ft from the pendent handle after pendent hose length reaches 16 ft. Any additional valves will equally divide the remaining hose length.

### E-Stop Pendent Handle

Part Number	Description
45667359	Pendent handle assembly with E-stop function



E-Stop Pendent Handle

### Link Chain Canvas Basket

Part No.	Capacity ft
CL250K-749-20	20
CL250K-749-40	40



Link Chain Canvas Basket