

# TCR HEAVY DUTY AIR HOIST

## 100% quality, 100% of the time.

If you need a hoist with 100 percent duty ratings, fine-feathering controls, and quiet operation, you'll love the TCR pneumatic hoist. Lift all day and all night with this workhorse. Smooth starts and stops with variable-speed operation provide extremely accurate load positioning and control. Put this hoist on the top of your list when you need productivity and precision for years on end.

### Unlimited Duty Cycle

The TCR air hoist is built for long and demanding work shifts. With its unlimited duty cycle, you can continually operate the hoist without worrying about damage from too many starts per hour.

### High-Strength Cast-Iron Housing

Proven to be resistant in harsh environments, the TCR's high-strength cast-iron housing provides a rugged body that stands up to the toughest demands.

### Very Fine Feathering Control

The spring-loaded, multi-vane motor design lets you place and position a load exactly where you need it. Gradually control the lift with very fine feathering movements both up or down.

### Pre-Set Load Limiter

Protect the hoist and operator while avoiding downtime. The TCR's adjustable, built-in load limiter is pre-set to stop lifting when the load capacity is over-rated, which keeps your job site safer.

### Reduced Noise Levels

An external muffler gives you quieter operation and dampened noise levels with no load. The TCR's air-tight body contributes to its comfortable noise levels and makes efficient use of air.





All specifications, dimensions and drawings are available at [www.kito.ca](http://www.kito.ca), or call our Customer Service staff for friendly and expert advice on models and options.

# TCR HEAVY DUTY AIR HOIST

## CAPACITY

- ¼ to 2 metric tonnes

## STANDARDS

- 80.5 dBA at 1 metre
- Operating Conditions: Recommended for -10 to +60° Celsius
- Oil filter and lubricator comes standard in the box

## OPTIONS

- Pendant or cord control to meet your needs
- Chain bag to keep chain clean and out of the way
- Custom lift lengths to suit your requirements
- Plain, geared, or air trolley mount

## BODY

- High-strength cast iron housing for proven weather resistance and durability in harsh environments
- Compact and low profile headroom

## GEARS

- Planetary gear box

## LOAD CHAIN

- Ultra-strong high performance nickel-plated load chain
- Grade 80

## HOOKS

- Forged carbon steel opens gradually without fracturing under excessive loads
- Bottom and top hooks swivel 360 degrees
- Self-closing top and bottom hooks with heavy-duty hook latch

## OPERATION

- Pendant, cord, or manipulator control
- Provides outstanding control for fine feathering movements using a spring-loaded multi-vane motor design

## BRAKE

- Heavy-duty, self-adjusting brake

## MOTOR

- Air Supply: 60 to 90 psi
- Air-powered, spring-loaded multi-vane
- Speed Control: Full range variable speed control
- Minimum 10 to 15 drops of oil per minute from a max distance of 15 feet
- Maximum 5-micron air filter or finer required
- Unlimited duty cycle

## OVERLOAD PROTECTION

- Internal load limiter automatically stops lifting when load is over the rated capacity. Standard on 1/2 tonne model and above
- Standard upper and lower limit switches prevent overtravel in up or down direction



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# TCR HEAVY DUTY AIR HOIST

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TCR CORD CONTROL  
HOOK MOUNT

## SPECIFICATIONS

Capacity (tonne)	Model	Standard Lift (ft)	Cord L (ft)	Speeds (90 PSI - ft/min) Up/Down		Rates (90 PSI - Cubic ft/min) Up/Down Air Consumption		Load Chain Diameter (mm) x Chain Fall Lines	Net Weight (Lbs)	Weight For Additional 5ft of lift (Lbs)
				w/NO Load	w/Full Load	w/NO Load	w/Full Load			
1/4	TCR250C	10	6	61/45	29/57	35/28	28/32	4 x 1	15	4
1/2	TCR500C	10	6	62/43	33/53	63/49	49/57	6.3 x 1	66	4
1	TCR1000C2	10	6	31/21	16/26	63/49	49/57	6.3 x 2	76	8
1	TCR1000C	10	6	34/21	19/30	62/53	49/60	7.1 x 1	73	5
2	TCR2000C2	10	6	17/10	10/15	62/53	49/60	7.1 x 2	86	10

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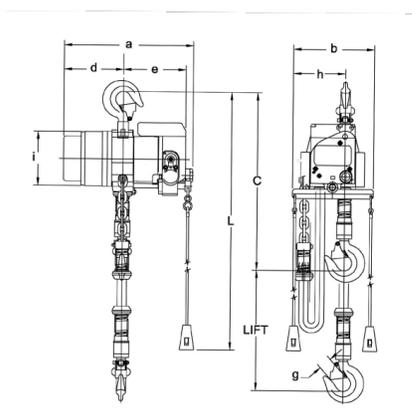
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TCR CORD CONTROL  
HOOK MOUNT

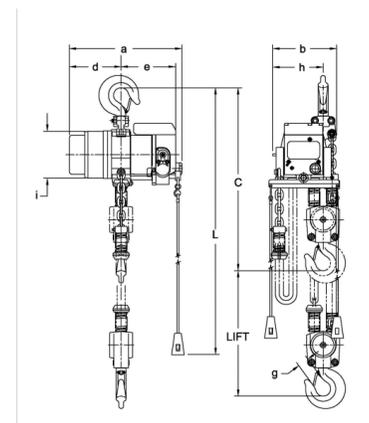
# TCR HEAVY DUTY AIR HOIST

## TCR CORD CONTROL HOOK MOUNT



TCR Line drawing

Hook Mount Dual Fall (cord control);  
\*For informational purposes only,  
contact Kito for dimensional drawing



TCR Line drawing

Hook Mount Single Fall (cord control);  
\*For informational purposes only,  
contact Kito for dimensional drawing

## DIMENSIONS

Capacity (tonne)	Model	C (in.)	a	b	d	e	g	h	i
1/4	TCR250C	12	287	101	112	165	23	71	79
1/2	TCR500C	18.2	340	175	155	165	28	124	117
1	TCR1000C2	20.4	340	185	155	165	28	150	142
1	TCR1000C	18.3	340	175	155	165	28	124	142
2	TCR2000C2	21.8	340	193	155	165	28	152	142