

# **HARRINGTON**<sup>®</sup>

**HOISTS AND CRANES**



 **Air Powered Hoists**

Kito Crosby is the global leader of the lifting and securement industry it pioneered, and for which it continues to set the quality standard. With global engineering, manufacturing, distribution, and operations, the company provides a broad range of products and solutions for the most demanding applications. Kito Crosby's people, products, solutions, and services have innovated the lifting and securement industry for more than 250 years. Together we lift and secure the world today, for a safer, stronger, and more productive tomorrow. Our iconic brands include Kito, Crosby, Harrington, Gunnebo Industries, and Peerless.

The Harrington brand within the Kito Crosby global network is recognized as a market leader in the hoist and crane industry, with a wide variety of innovative lifting solutions for many industrial applications. The Harrington brand was born in 1867 when Edwin Harrington, a machinist and inventor, started a machine shop and hoist business in Philadelphia, PA. The company thrived as a result of his innovative ideas and continual improvements to the design and production of hoists.

Over the years, the Harrington brand has remained synonymous with top-quality products and exceptional service. We are proud to continue this tradition today, offering our customers products they can trust and the service they deserve.

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## TCR Air Powered Hoists with Pendant and Cord Controls and Hook Suspension

Harrington's TCR Series air hoists offer the benefit of lifting heavier loads while maintaining low headroom and a continuous duty cycle. These hoists are best suited for use in foundries, assembly lines, construction sites and many other demanding applications.

### Features and Benefits

- Unlimited Duty Cycle**  
For continuous operation
- Spring-Loaded Multi-Vane Motor Design**  
Permits very fine feathering control
- High Strength Cast Iron Housing**  
Proven weather resistant and durable  
in harsh environments
- Airtight Hoist**  
Results in efficient use of air
- Comfortable Noise Levels**  
External muffler reduces noise level to  
80dBA @ 1 yd. with no load
- Heavy Duty Self-Adjusting Brake**  
For precise braking action
- Standard Upper & Lower Limit Stops**  
Prevents over-travel of hook in either direction
- Overload Limiter**  
Adjustable load limiter detects overload  
automatically and blocks air flow for lifting
- Wear Resistant Load Chain**  
Grade 80, case-hardened for  
superior strength

### Standard Hoist Specifications

- Capacity Range**  
1/4 – 2 Ton
- Standard Lift**  
10'  
(longer lifts available)
- Standard Pendant or Cord Length**  
Hangs approximately 4' above the  
hoist's fully extended bottom hook  
(longer lengths available)
- Air Supply Requirement**  
30 – 90 cfm at 60 – 90 psi
- Air Lubrication Requirement**  
Minimum 10 to 15 drops of oil  
per minute (0.2 – 0.3 cc/min.)
- Air Filtration**  
Maximum 5 micron air filter  
or finer required
- Air Inlet Port**  
1/2" NPT
- Air Supply Hose Minimum Size**  
1/4 – 2 Tons — 1/2"
- Operating Conditions**  
Temperature range +14° to 140°F  
Humidity 85% or less
- Chain Containers**  
Optional  
Canvas or Steel



TCR1000P



TCR1000C2

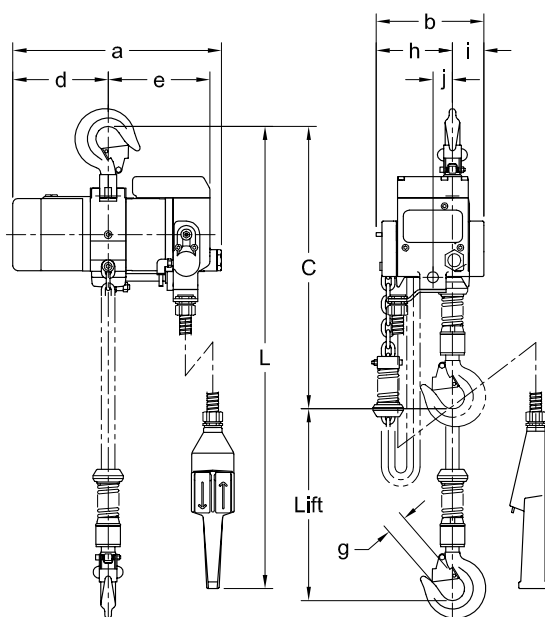
## TCR Air Powered Hoists with Pendant and Cord Controls and Hook Suspension

### PENDANT MODEL—SPECIFICATIONS

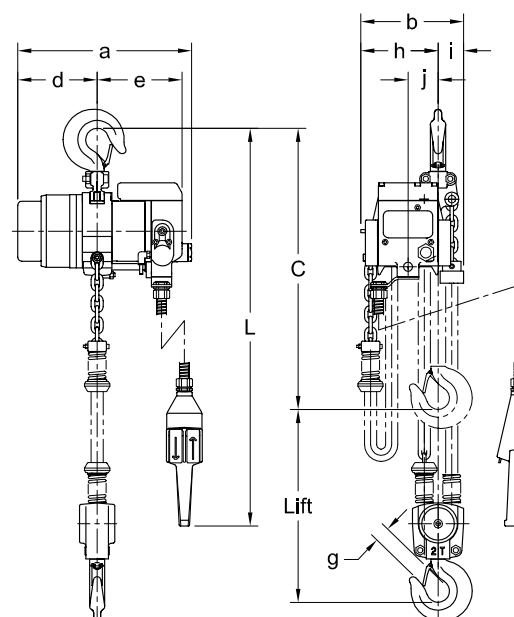
Cap. (Tons)	Product Code	Standard Lift (ft)	Push Button Hose L (ft)	Up/Down Speeds (ft/min @ 90 psi)		Up/Down Air Consumption Rates (cubic ft/min @ 90 psi)		Load Chain Diameter (mm) x Chain Fall Lines	Net Weight (lbs)	Weight for Additional One Foot of Lift (lbs)
				No Load	Full Load	No Load	Full Load			
1/4	TCR250P	10	7.5	68/44	52/51	63/49	48/57	6.3 x 1	68	0.6
1/2	TCR500P		7.5	68/44	37/57	63/49	48/57	6.3 x 1	68	0.6
1	TCR1000P2		7.5	34/22	19/29	63/49	48/57	6.3 x 2	78	1.2
1	TCR1000P		7.5	37/22	21/33	62/53	53/60	7.1 x 1	77	0.8
2	TCR2000P2		7.5	19/11	11/16	62/53	53/60	7.1 x 2	88	1.5

### PENDANT MODEL—DIMENSIONS

Cap. (Tons)	Product Code	Headroom C (in)	a (in)	b (in)	d (in)	e (in)	g (in)	h (in)	i (in)	j (in)
1/4	TCR250P	18.2	13.5	6.9	6.1	6.6	1.2	4.9	2.0	1.3
1/2	TCR500P	18.2	13.5	6.9	6.1	6.6	1.2	4.9	2.0	1.3
1	TCR1000P2	20.4	13.5	7.7	6.1	6.6	1.2	5.9	1.9	2.2
1	TCR1000P	18.3	13.5	6.9	6.1	6.6	1.2	4.9	2.0	1.3
2	TCR2000P2	21.8	13.5	8.0	6.1	6.6	1.2	6.0	2.0	2.3



TCR500P  
Single Fall Pendant Model



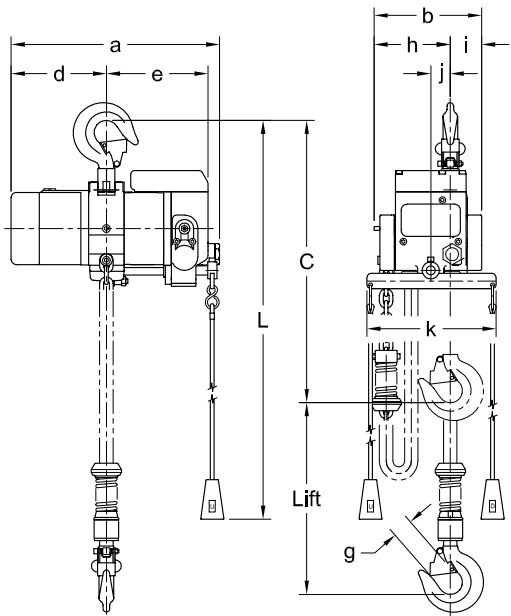
TCR2000P2  
Double Fall Pendant Model

CORD MODEL—SPECIFICATIONS

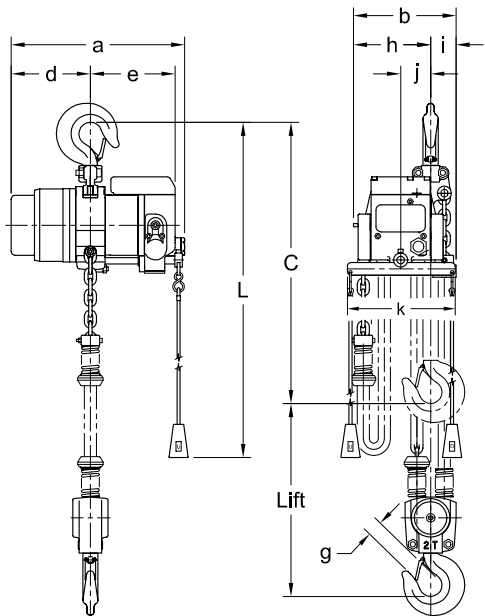
Cap. (Tons)	Product Code	Standard Lift (ft)	Cord L (ft)	Up/Down Speeds (ft/min @ 90 psi)		Up/Down Air Consumption Rates (cubic ft/min @ 90 psi)		Load Chain Diameter (mm) x Chain Fall Lines	Net Weight (lbs)	Weight for Additional One Foot of Lift (lbs)
				No Load	Full Load	No Load	Full Load			
1/4	TCR250C	10	7.5	68/44	52/51	63/49	48/57	6.3 x 1	66	0.6
1/2	TCR500C		7.5	68/44	37/57	63/49	48/57	6.3 x 1	66	0.6
1	TCR1000C2		7.5	34/22	19/29	63/49	48/57	6.3 x 2	76	1.2
1	TCR1000C		7.5	37/22	21/33	62/53	53/60	7.1 x 1	75	0.8
2	TCR2000C2		7.5	19/11	11/16	62/53	53/60	7.1 x 2	86	1.5

CORD MODEL—DIMENSIONS

Cap. (Tons)	Product Code	Headroom C (in)	a (in)	b (in)	d (in)	e (in)	g (in)	h (in)	i (in)	j (in)	k (in)
1/4	TCR250C	18.2	13.5	6.9	6.1	6.6	1.2	4.9	2.0	1.3	8.3
1/2	TCR500C	18.2	13.5	6.9	6.1	6.6	1.2	4.9	2.0	1.3	8.3
1	TCR1000C2	20.4	13.5	7.7	6.1	6.6	1.2	5.9	1.9	2.2	8.3
1	TCR1000C	18.3	13.5	6.9	6.1	6.6	1.2	4.9	2.0	1.3	8.3
2	TCR2000C2	21.8	13.5	8.0	6.1	6.6	1.2	6.0	2.0	2.3	8.3



TCR500C  
Single Fall Cord Model



TCR2000C2  
Double Fall Cord Model

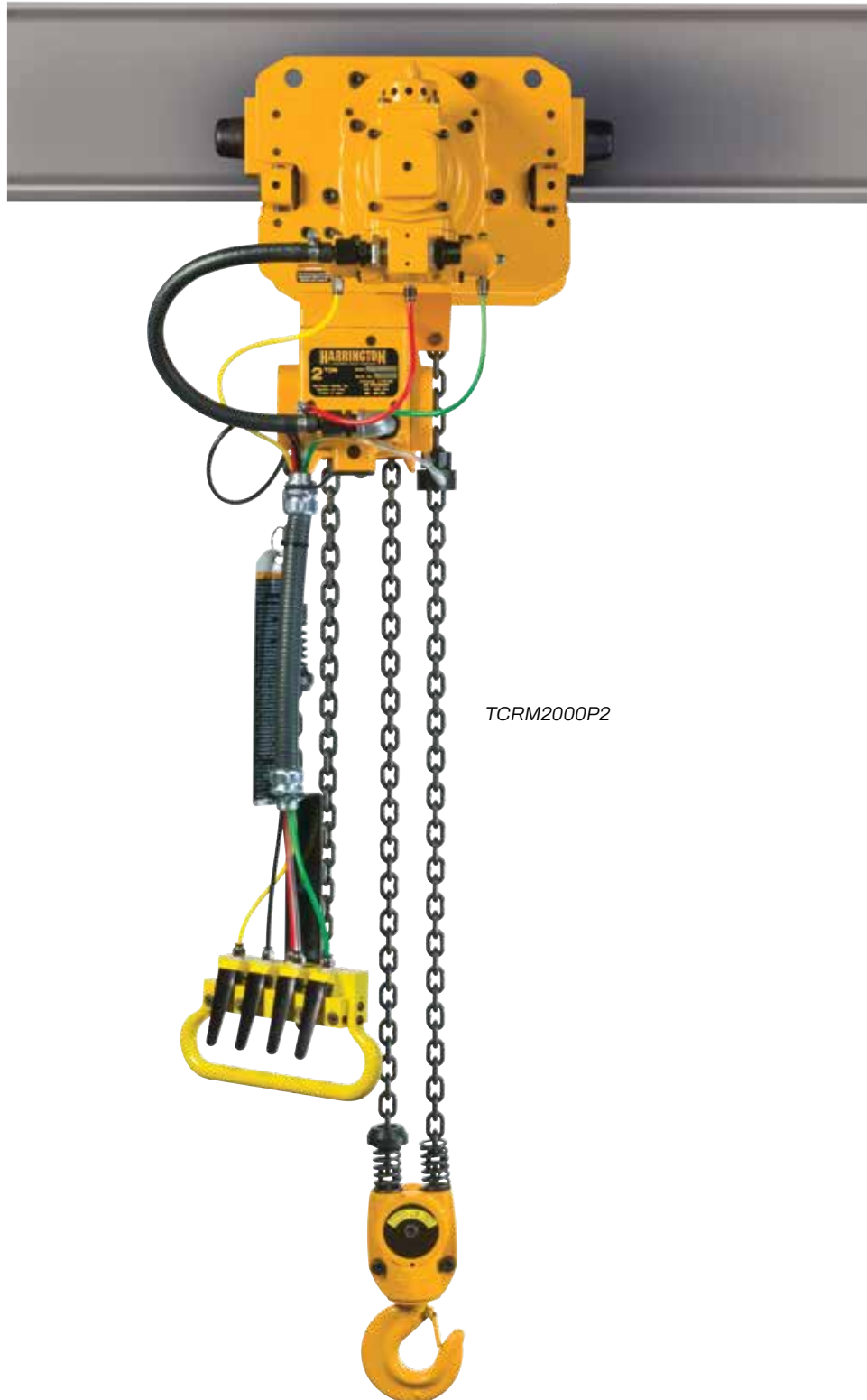
## TCR Air Powered Hoists with Air Powered, Push and Geared Trolleys

Harrington's TCR hoists will couple with our air powered, push or geared trolleys for added mobility. The MCR air powered trolley is the ideal choice for transporting medium to heavy loads in construction and foundry applications. The economical PT or GT manual trolleys are perfect for lighter, infrequent moves and in small workshops.

Refer to page 4 for standard hoist specifications.

Features and Benefits	Standard Hoist Specifications
<p><b>Air Powered Trolleys</b></p> <p><b>Unlimited Duty Cycle</b> For continuous operation</p> <p><b>Spring-Loaded Multi-Vane Motor Design</b> Permits smooth operation and controlled travel</p> <p><b>High Strength Cast Iron Housing</b> Proven weather resistant and durable in harsh environments</p> <p><b>Internal Disc Brake</b> Protected from harsh environments</p> <p><b>Drop Stops &amp; Rubber Bumpers</b> To ensure safe operation</p> <p><b>Side Guide Rollers</b> Provide additional stability and smooth travel</p> <p><b>Versatile Wheels</b> Fit flat or tapered beam flange</p> <p><b>Trolley Muffler</b> Produces low noise levels</p> <p><b>Manual Trolleys</b></p> <p><b>Shafts</b> Standard shafts fit wide range of beams Longer shafts available for larger beams Spacers for easy adjustments</p> <p><b>Wheels</b> All steel Sealed ball bearings Fit flat or tapered beam flange</p>	<p><b>Air Powered Trolleys</b></p> <p><b>Capacity Range</b> 1/4 – 2 Ton</p> <p><b>Control Option on Trolley/Hoist</b> Pendant control only</p> <p><b>Standard Pendant Length</b> Hangs approximately 4' above the hoist's fully extended bottom hook (longer lengths available — maximum 30')</p> <p><b>Air Supply Requirement</b> 53 cfm at 60 – 90 psi</p> <p><b>Air Lubrication Requirement</b> Minimum 10 to 15 drops of oil per minute (0.2 – 0.3 cc/min.)</p> <p><b>Air Filtration</b> Maximum 5 micron air filter or finer required</p> <p><b>Air Inlet Port</b> 3/4" NPT</p> <p><b>Air Supply Hose Minimum Size</b> 1/4 – 2 Tons — 1/2"</p> <p><b>Operating Conditions</b> Temperature range +14° to 140°F Humidity 85% or less</p> <p><b>Manual Trolleys</b></p> <p><b>Capacity Range</b> 1/4 – 2 Ton</p> <p><b>Control Option on Hoist</b> TCRP and TCRG — Pendant and cord</p> <p><b>Standard Hand Chain Length</b> On geared trolleys Hangs approximately 2' less than fully extended bottom hook (longer lengths available)</p>





TCRM2000P2

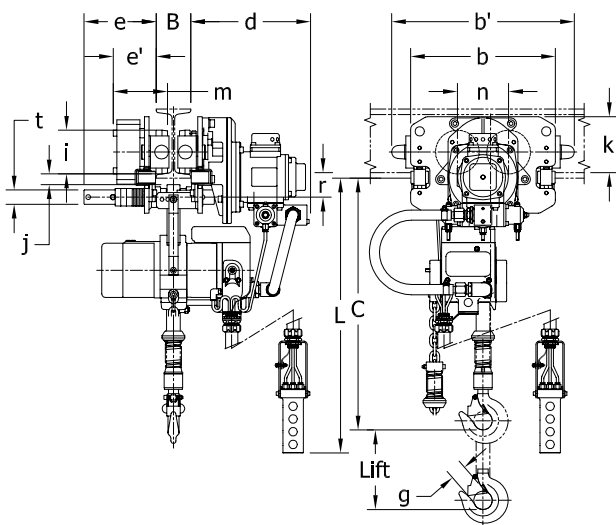
## TCR Air Powered Hoists with Air Powered, Push and Geared Trolleys

### PENDANT MODEL WITH AIR POWERED TROLLEY—SPECIFICATIONS

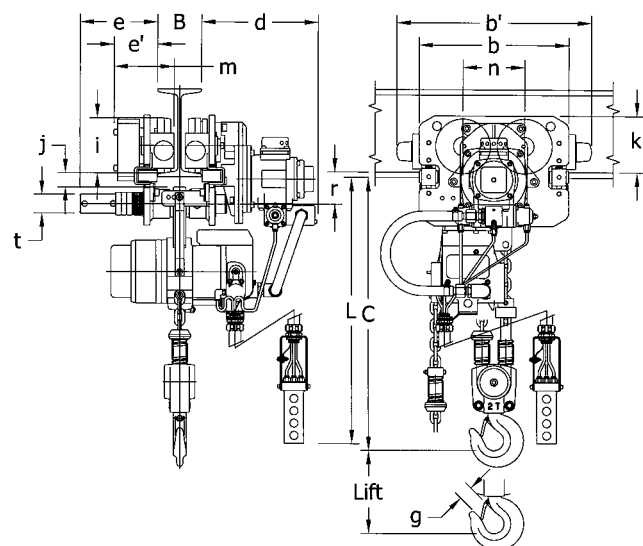
Cap. (Tons)	Product Code	Standard Lift (ft)	Push Button Hose L (ft)	Up/Down Speeds (ft/min @ 90 psi)		Traversing Speed (ft/min)	Up/Down Air Consumption Rates (cfm @ 90 psi)			Flange Width Adjustability B (in)	Minimum Allow. Radius for Curve (in)	Load Chain Diameter (mm) x Chain Fall Lines	Net Weight (lbs)	Weight for Additional One Foot of Lift (lbs)
							TCR		MCR					
				No Load	Full Load		No Load	Full Load	No Load Full Load					
1/4	TCRM250P	10	7.4	68 / 44	52 / 51	65	63 / 49	48 / 57	53	2.28 to 5.00	137.8	6.3 x 1	170	0.6
1/2	TCRM500P			68 / 44	37 / 57		63 / 49	48 / 57	53			6.3 x 1	170	0.6
1	TCRM1000P2			34 / 22	19 / 29		63 / 49	48 / 57	53			6.3 x 2	183	1.2
1	TCRM1000P			37 / 22	21 / 33		62 / 53	53 / 60	53	7.1 x 1	209	0.8		
2	TCRM2000P2			18.5 / 11	11 / 16		62 / 53	53 / 60	53	3.94 to 6.02	51.2	7.1 x 2	254	1.5

### PENDANT MODEL WITH AIR POWERED TROLLEYS—DIMENSIONS

Cap. (Tons)	Product Code	Headroom C (in)	b (in)	b' (in)	d (in)	e (in)	e' (in)	g (in)	i (in)	j (in)	k (in)	m (in)	n (in)	r (in)	t (in)
1/4	TCRM250P	19.3	12.4	15.6	10.3	6.2	3.7	1.2	3.7	0.9	4.8	4.6	4.4	2.0	1.2
1/2	TCRM500P	19.3	12.4	15.6	10.3	6.2	3.7	1.2	3.7	0.9	4.8	4.6	4.4	2.0	1.2
1	TCRM1000P2	21.5	12.4	15.6	10.3	6.2	3.7	1.2	3.7	0.9	4.8	4.6	4.4	2.0	1.2
1	TCRM1000P	19.5	12.4	15.6	10.3	6.2	3.7	1.2	3.7	0.9	4.8	4.6	4.4	2.0	1.2
2	TCRM2000P2	23.3	13.4	17.4	10.5	6.9	3.9	1.2	4.9	1.3	5.0	5.1	5.5	2.8	1.7



TCRM500P



TCRM2000P2

**PENDANT MODEL WITH PUSH OR GEARED TROLLEY—SPECIFICATIONS**

Cap. (Tons)	Product Code	Standard Lift (ft)	Push Button Hose L (ft)	Up/Down Speeds (ft/min @ 90 psi)		Up/Down Air Consumption Rates (cubic ft/min @ 90 psi)		Flange Width Adjustability B (in)		Minimum* Allow. Radius for Curve (in)	Load Chain Diameter (mm) x Chain Fall Lines	Net Weight (lbs)	Weight for Additional One Foot of Lift (lbs)
				No Load	Full Load	No Load	Full Load	Standard	Optional				
1/4	TCRP(TCRG)250P	10	7.5	68 / 44	52 / 51	63 / 49	48 / 57	2.28 to 4.00 (2.28 to 5.00)	4.01 to 8.00 (5.01 to 8.00) OR 8.01 to 12.00	13.8 (51.2)	6.3 x 1	76 (96)	0.6 (1.2)
1/2	TCRP(TCRG)500P		7.5	68 / 44	37 / 57	63 / 49	48 / 57				6.3 x 1	76 (96)	0.6 (1.2)
1	TCRP(TCRG)1000P2		7.5	34 / 22	19 / 29	63 / 49	48 / 57	2.28 to 5.00	5.01 to 8.00 OR 8.01 to 12.00	17.7 (51.2)	6.3 x 2	94 (108)	1.2 (1.8)
1	TCRP(TCRG)1000P		7.5	37 / 22	21 / 33	62 / 53	53 / 60				7.1 x 1	91 (105)	0.8 (1.4)
2	TCRP(TCRG)2000P2		7.5	19 / 11	11 / 16	62 / 53	53 / 60	3.23 to 6.02	6.03 to 12.00	21.7 (59.1)	7.1 x 2	113 (130)	1.5 (2.1)

Figures in parenthesis are data for geared trolley

\*Minimum flange width for curved beam: 1 Ton Push and 1/8 to 1 Ton Geared = 2.87 in.

**CORD MODEL WITH PUSH OR GEARED TROLLEY—SPECIFICATIONS**

Cap. (Tons)	Product Code	Standard Lift (ft)	Cord L (ft)	Up/Down Speeds (ft/min @ 90 psi)		Up/Down Air Consumption Rates (cubic ft/min @ 90 psi)		Flange Width Adjustability B (in)		Minimum* Allow. Radius for Curve (in)	Load Chain Diameter (mm) x Chain Fall Lines	Net Weight (lbs)	Weight for Additional One Foot of Lift (lbs)
				No Load	Full Load	No Load	Full Load	Standard	Optional				
1/4	TCRP(TCRG)250C	10	7.5	68 / 44	52 / 51	63 / 49	48 / 57	2.28 to 4.00 (2.28 to 5.00)	4.01 to 8.00 (5.01 to 8.00) OR 8.01 to 12.00	13.8 (51.2)	6.3 x 1	74 (94)	0.6 (1.2)
1/2	TCRP(TCRG)500C		7.5	68 / 44	37 / 57	63 / 49	48 / 57				6.3 x 1	73 (94)	0.6 (1.2)
1	TCRP(TCRG)1000C2		7.5	34 / 22	19 / 29	63 / 49	48 / 57	2.28 to 5.00	5.01 to 8.00 OR 8.01 to 12.00	17.7 (51.2)	6.3 x 2	91 (106)	1.2 (1.8)
1	TCRP(TCRG)1000C		7.5	37 / 22	21 / 33	62 / 53	53 / 60				7.1 x 1	89 (103)	0.8 (1.4)
2	TCRP(TCRG)2000C2		7.5	19 / 11	11 / 16	62 / 53	53 / 60	3.23 to 6.02	6.03 to 12.00	21.7 (59.1)	7.1 x 2	111 (128)	1.5 (2.1)

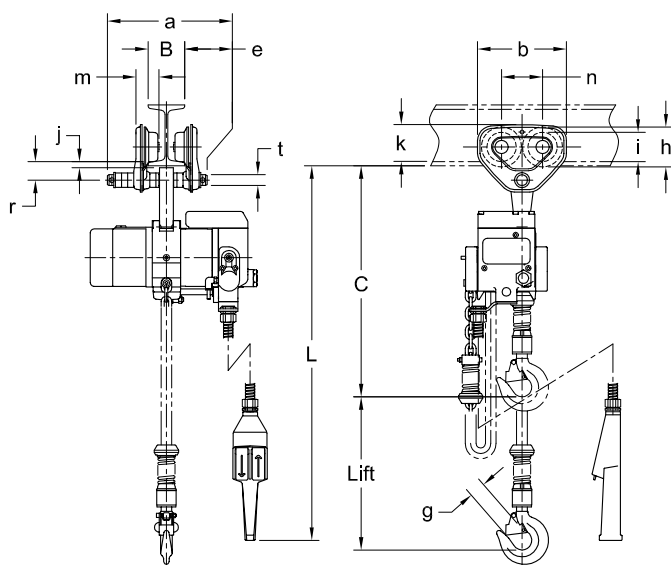
Figures in parenthesis are data for geared trolley

\*Minimum flange width for curved beam: 1 Ton Push and 1/8 to 1 Ton Geared = 2.87 in.

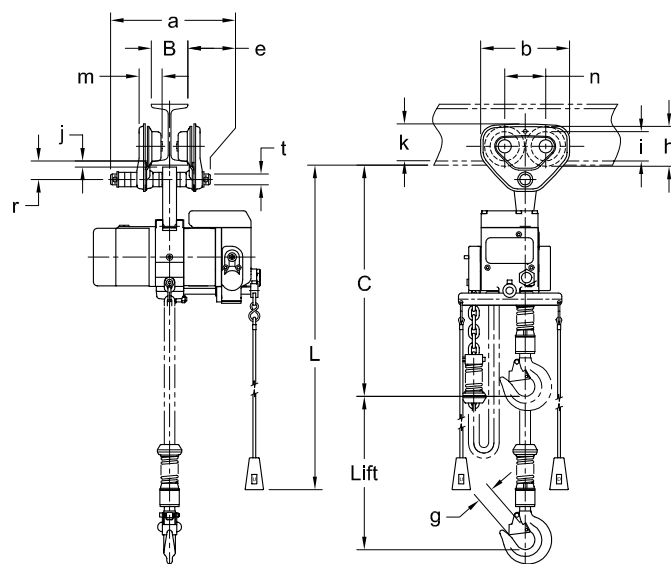
## TCR Air Powered Hoists with Air Powered, Push and Geared Trolleys

**PENDANT AND CORD MODEL WITH PUSH TROLLEY—DIMENSIONS**

Cap. (Tons)	Product Code	Headroom C (in)	a (in)	b (in)	e (in)	g (in)	h (in)	i (in)	j (in)	k (in)	m (in)	n (in)	r (in)	t (in)
1/4	TCRP250C/P	18.6	8.0	7.2	1.8	1.1	3.2	2.36	0.5	3.0	1.9	3.3	1.5	0.87
1/2	TCRP500C/P	18.6	8.0	7.2	1.8	1.1	3.2	2.36	0.5	3.0	1.9	3.3	1.5	0.87
1	TCRP1000C2/P2	21.3	9.8	9.3	2.2	1.1	4.2	2.80	0.9	3.7	2.2	4.4	2.0	0.98
1	TCRP1000C/P	19.2	9.8	9.3	2.2	1.1	4.2	2.80	1.0	3.7	2.2	4.4	2.0	0.98
2	TCRP2000C2/P2	21.9	11.8	11.0	2.7	1.1	5.0	3.35	1.0	4.4	2.8	5.2	2.4	1.26



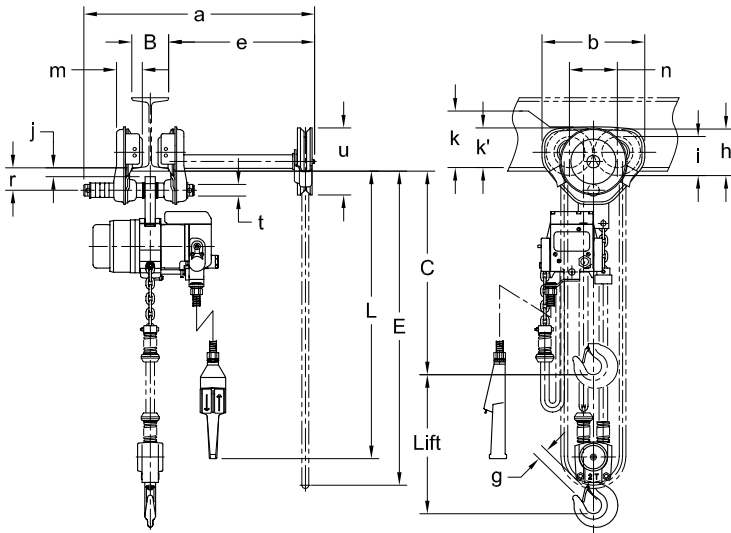
TCRP500P



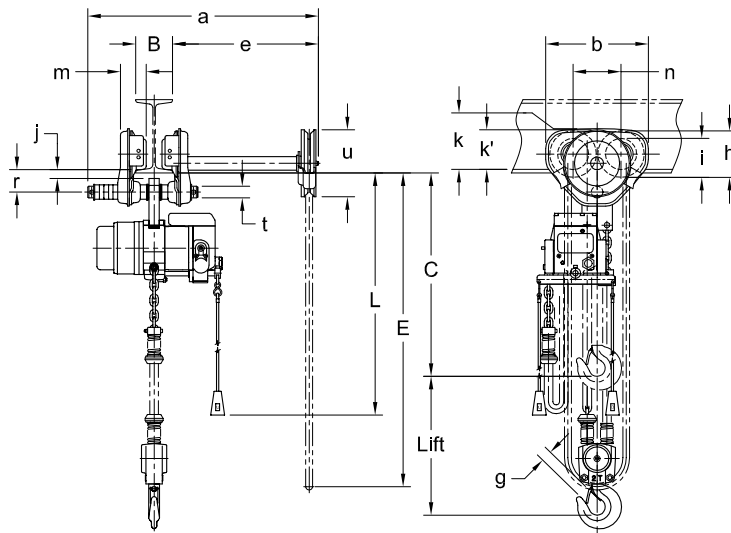
TCRP500C

PENDANT AND CORD MODEL WITH GEARED TROLLEY—DIMENSIONS

Cap. (Tons)	Product Code	Headroom C (in)	E (ft)	a (in)	b (in)	e (in)	g (in)	h (in)	i (in)	j (in)	k (in)	k' (in)	m (in)	n (in)	r (in)	t (in)	u (in)
1/4	TCRG250C/P	19.0	10.5	20.9	9.3	13.3	1.1	4.2	2.80	1.0	3.7	4.2	2.2	4.4	2.0	0.98	7.2
1/2	TCRG500C/P	19.0	10.5	20.9	9.3	13.3	1.1	4.2	2.80	1.0	3.7	4.2	2.2	4.4	2.0	0.98	7.2
1	TCRG1000C2/P2	21.3	10.5	20.9	9.3	13.3	1.1	4.2	2.80	0.9	3.7	4.2	2.2	4.4	2.0	0.98	7.2
1	TCRG1000C/P	19.2	10.5	20.9	9.3	13.3	1.1	4.2	2.80	1.0	3.7	4.2	2.2	4.4	2.0	0.98	7.2
2	TCRG2000C2/P2	21.9	10.5	24.8	11.0	13.3	1.1	5.0	3.35	1.0	4.4	4.3	2.8	5.2	2.4	1.26	7.2



TCRG2000P2

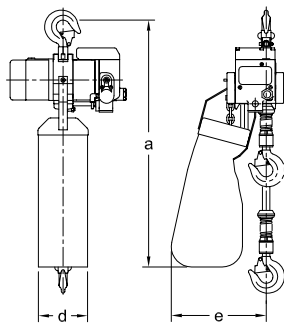


TCRG2000C2

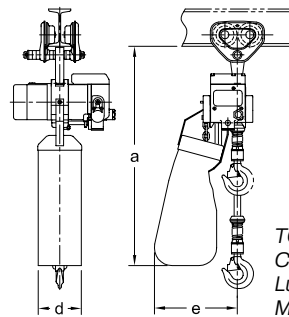
## TCR Air Powered Hoists with Options

### HOISTS WITH CANVAS CHAIN CONTAINERS—DIMENSIONS

Product Code	a (in)				d (in)	e (in)
	TCR	TCRM	TCRP	TCRG		
TCR250C/P	28.7	29.8	29.1	28.8	5.7	11.0
TCR500C/P	28.7	29.8	29.1	28.8	5.7	11.0
TCR1000C2/P2	28.7	29.8	29.5	29.5	5.7	12.0
TCR1000C/P	28.7	29.8	29.5	29.5	5.7	11.0
TCR2000C2/P2	29.7	30.1	29.7	29.7	5.7	12.1



TCR with Canvas Chain Container Hook Mount\*



TCR with Canvas Chain Container Lug Mounted to Manual Trolley\*

\*Single fall hoist shown, double fall hoist may look different.

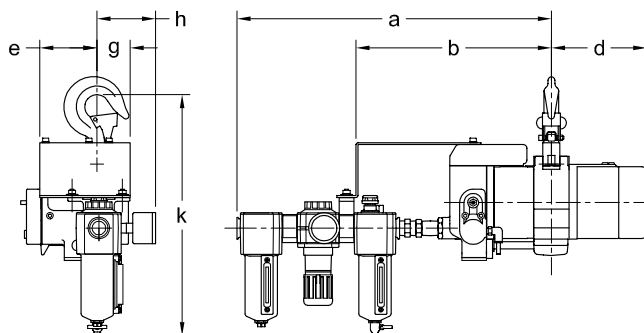
### HOISTS WITH L, FL AND FRL—DIMENSIONS

Cap. (Tons)	Product Code	a (in)			b (in)	d (in)	e (in)	g (in)	h (in)	k (in)
		L	FL	FRL					FRL	
1/4	TCR250C/P	14.2	16.6	20.3	12.6	6.1	3.7	2.1	3.8	15.6
1/2	TCR500C/P	14.2	16.6	20.3	12.6	6.1	3.7	2.1	3.8	15.6
1	TCR1000C2/P2	14.2	16.6	20.3	12.6	6.1	3.7	2.1	3.8	15.6
1	TCR1000C/P	14.2	16.6	20.3	12.6	6.1	3.7	2.1	3.8	15.6
2	TCR2000C2/P2	14.2	16.6	20.3	12.6	6.1	3.7	2.1	3.8	16.6

L = Lubricator

FL = Filter and Lubricator

FRL = Filter, Regulator and Lubricator



TCR with L, FL and FRL

## TCK Air Powered Hoists with Pendant and Cord Controls and Hook Suspension

Harrington's TCK air powered air hoists are the best choice for low headroom and fast lifting requirements in demanding industrial settings. These hoists are extremely durable, are packed with top quality features and will far exceed workplace demands.

Features and Benefits	Standard Hoist Specifications
<p><b>Unlimited Duty Cycle</b> For continuous operation</p> <p><b>Spring-Loaded Multi-Vane Motor Design</b> Permits very fine feathering control</p> <p><b>Cast Iron Housing</b> For strength and durability</p> <p><b>Powder Coated Finish</b> Proven weather resistant in harsh environments</p> <p><b>Internal Disc Brake</b> Protected from harsh environments</p> <p><b>Extremely Fast Lifting</b> For applications where speed is critical</p> <p><b>Low Noise Levels</b> Adds to operator comfort</p> <p><b>Overload Limiter</b> Adjustable load limiter detects overload automatically and blocks air flow for lifting</p> <p><b>Nickel-Plated Load Chain</b> Resistant to corrosion, abrasion and wear</p>	<p><b>Capacity Range</b> 3 – 6 Ton</p> <p><b>Standard Lift</b> 10' (longer lifts available)</p> <p><b>Standard Pendant or Cord Length</b> Hangs approximately 4 ft. above the hoist's fully extended bottom hook (longer lengths available)</p> <p><b>Air Supply Requirement</b> 60 – 90 psi</p> <p><b>Air Filtration</b> Maximum 5 micron air filter or finer required</p> <p><b>Air Inlet Port</b> 1" NPT</p> <p><b>Air Supply Hose Minimum Size</b> 3/4"</p> <p><b>Air Lubrication Requirement</b> Minimum 10 – 15 drops of oil per minute (0.2 – 0.3 cc/min.)</p> <p><b>Temperature Range</b> +14° – 140°F</p> <p><b>Chain Containers</b> Optional Canvas or Steel</p>

**TCK Air Powered Hoists  
with Pendant and Cord Controls  
and Hook Suspension**



TCK3000P

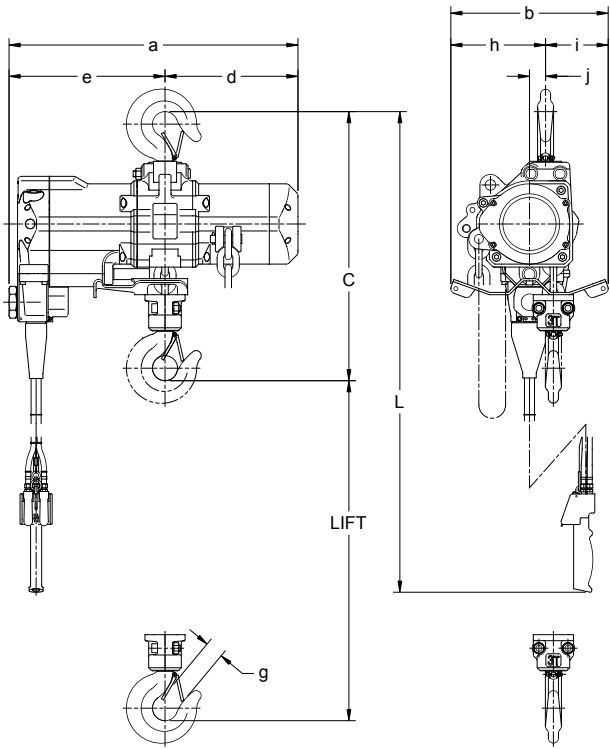


PENDANT MODEL—SPECIFICATIONS

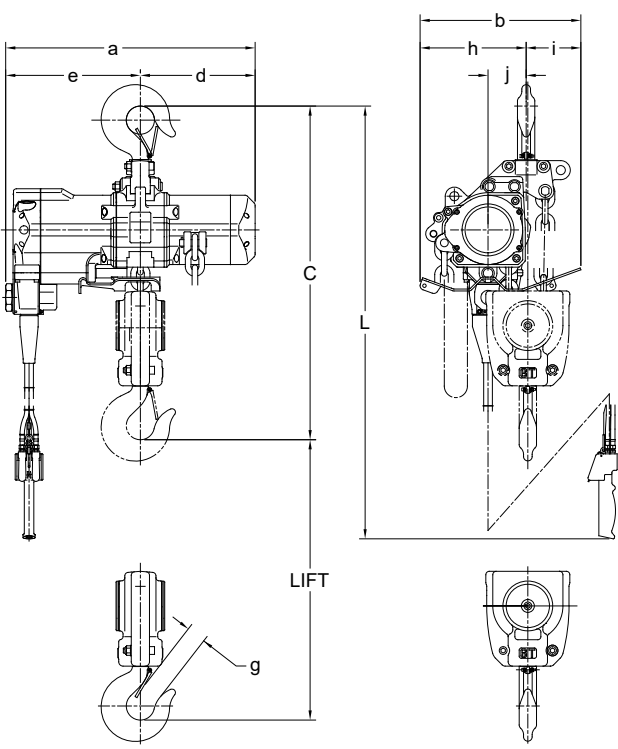
Cap. (Tons)	Product Code	Standard Lift (ft)	Push Button Hose L (ft)	Up/Down Speeds (ft/min @ 90 psi)		Up/Down Air Consumption Rates (cubic ft/min @ 90 psi)		Load Chain Diameter (mm) x Chain Fall Lines	Net Weight (lbs)	Weight for Additional One Foot of Lift (lbs)
				No Load	w/Full Load	No Load	w/Full Load			
3	TCK3000P	10	8.6	37 / 23	18 / 38	148 / 141	124 / 152	12.5 x 1	225	2.3
6	TCK6000P2	10	8.6	18 / 12	9 / 19	148 / 141	124 / 152	12.5 x 2	295	4.6

PENDANT MODEL—DIMENSIONS

Cap. (Tons)	Product Code	Headroom C (in)	a (in)	b (in)	d (in)	e (in)	g (in)	h (in)	i (in)	j (in)
3	TCK3000P	21.1	22.7	12.3	10.4	12.2	1.3	7.4	4.9	1.3
6	TCK6000P2	30.3	22.7	14.6	10.4	12.2	1.7	9.6	5.0	3.5



TCK3000P



TCK6000P2

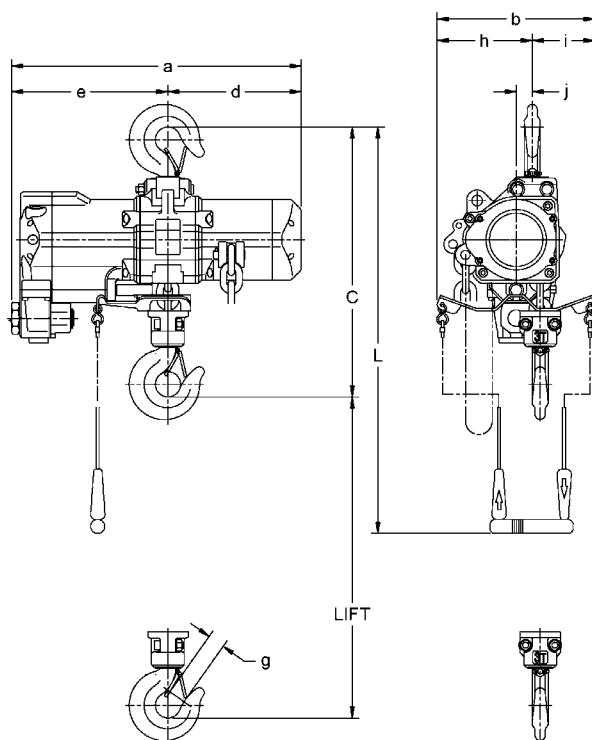
# TCK Air Powered Hoists with Pendant and Cord Controls and Hook Suspension

## CORD MODEL—SPECIFICATIONS

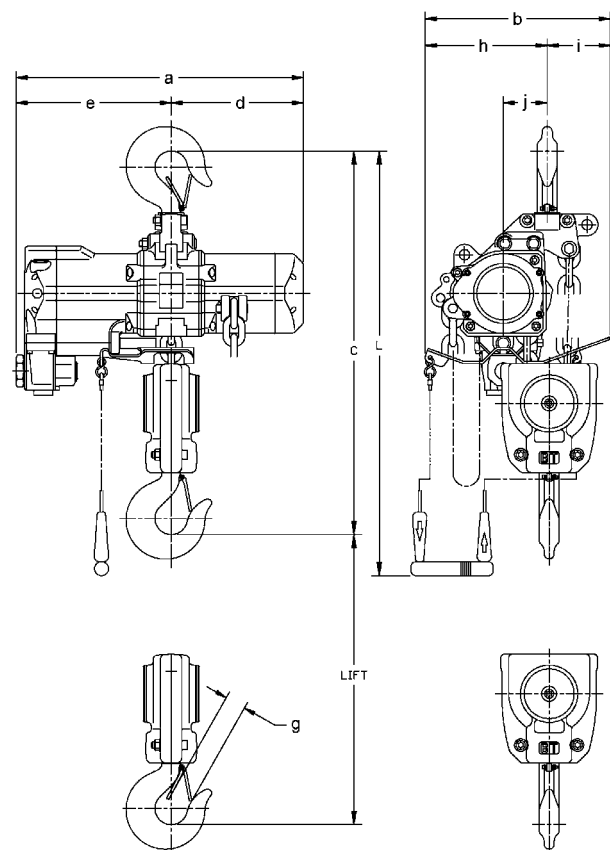
Cap. (Tons)	Product Code	Standard Lift (ft)	Cord L (ft)	Up/Down Speeds (ft/min @ 90 psi)		Up/Down Air Consumption Rates (cubic ft/min @ 90 psi)		Load Chain Diameter (mm) x Chain Fall Lines	Net Weight (lbs)	Weight for Additional One Foot of Lift (lbs)
				No Load	Full Load	No Load	Full Load			
3	TCK3000C	10	7.3	37 / 23	18 / 38	148 / 141	124 / 152	12.5 x 1	223	2.3
6	TCK6000C2	10	7.3	18 / 12	9 / 19	148 / 141	124 / 152	12.5 x 2	293	4.6

## CORD MODEL—DIMENSIONS

Cap. (Tons)	Product Code	Headroom C (in)	a (in)	b (in)	d (in)	e (in)	g (in)	h (in)	i (in)	j (in)
3	TCK3000C	21.1	22.7	12.3	10.4	12.2	1.3	7.4	4.9	1.3
6	TCK6000C2	30.3	22.7	14.6	10.4	12.2	1.7	9.6	5.0	3.5



TCK3000C



TCK6000C2

## TCK Air Powered Hoists with Air Powered, Push and Geared Trolleys

Harrington's TCK air powered hoists can be used with our air powered, push or geared trolleys for added mobility. The MCR air powered trolley is the ideal choice for transporting medium to heavy loads in construction and foundry applications. The economical PT or GT manual trolleys are perfect for lighter, infrequent moves and in small workshops.

### Features and Benefits

### Standard Hoist Specifications

<p><b>Air Powered Trolleys</b></p> <p><b>Unlimited Duty Cycle</b> For continuous operation</p> <p><b>Spring-Loaded Multi-Vane Motor Design</b> Permits smooth operation and controlled travel</p> <p><b>Cast Iron Housing</b> For strength and durability</p> <p><b>Powder Coated Finish</b> Proven weather resistant in harsh environments</p> <p><b>Internal Disc Brake</b> Protected from harsh environments</p> <p><b>Drop Stops &amp; Rubber Bumpers</b> To ensure safe operation</p> <p><b>Side Guide Rollers</b> Provide additional stability and smooth travel</p> <p><b>Versatile Wheels</b> Fit flat or tapered beam flange</p> <p><b>Trolley Muffler</b> Produces low noise levels</p> <p><b>Nickel-Plated Load Chain</b> Resistant to corrosion, abrasion and wear</p> <p><b>Manual Trolleys</b></p> <p><b>Shafts</b> Standard shafts fit wide range of beams Longer shafts available for larger beams Spacers for easy adjustments</p> <p><b>Wheels</b> All steel Sealed ball bearings Fit flat or tapered beam flange</p>	<p><b>Air Powered Trolleys</b></p> <p><b>Capacity Range</b> 3 – 6 Ton</p> <p><b>Control Option on Trolley/Hoist</b> TCKM — Pendant control only</p> <p><b>Standard Pendant Length</b> Hangs approximately 4' above the hoist's fully extended bottom hook (longer lengths available)</p> <p><b>Air Supply Requirement</b> 60 – 90 psi</p> <p><b>Air Filtration</b> Maximum 5 micron air filter or finer required</p> <p><b>Air Inlet Port</b> 3/4" NPT</p> <p><b>Air Supply Hose Minimum Size</b> 3 – 6 Tons — 3/4"</p> <p><b>Air Lubrication Requirement</b> Minimum 10 to 15 drops of oil per minute (0.2 – 0.3 cc/min.)</p> <p><b>Operating Conditions</b> Temperature range +14° to 140°F Humidity 85% or less</p> <p><b>Manual Trolleys</b></p> <p><b>Capacity Range</b> 3 – 6 Ton</p> <p><b>Control Option on Hoist</b> TCKP and TCKG — Pendant and cord</p> <p><b>Standard Hand Chain Length</b> On geared trolleys Hangs approximately 2' less than fully extended bottom hook (longer lengths available)</p>
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## TCK Air Powered Hoists with Air Powered, Push and Geared Trolleys



TCKM3000P



TCKP3000P



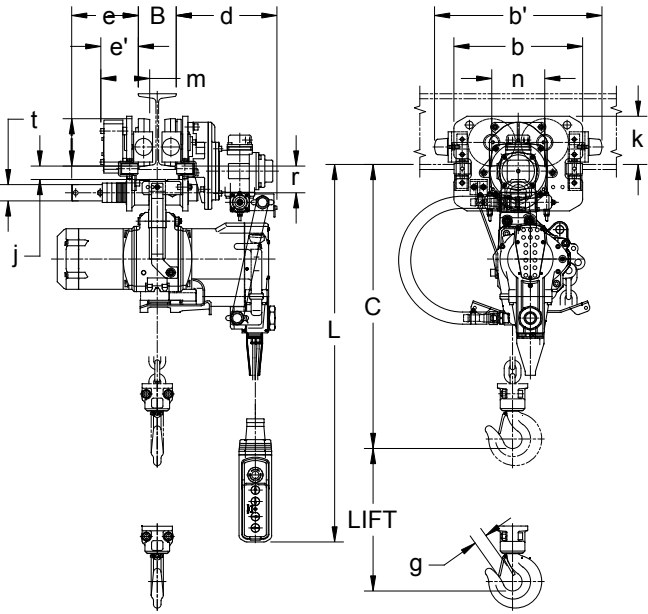
TCKG3000P

PENDANT MODEL WITH AIR POWERED TROLLEY—SPECIFICATIONS

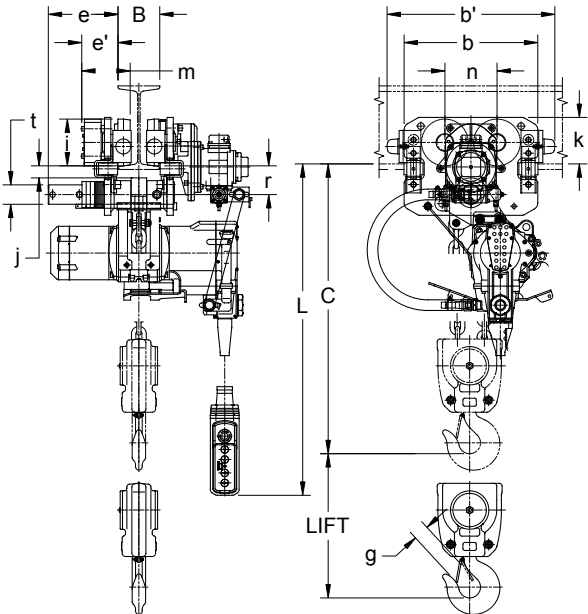
Cap. (Tons)	Product Code	Standard Lift (ft)	Push Button Hose L (ft)	Up/Down Speeds (ft/min @ 90 psi)		Traversing Speed (ft/min)	Air Consumption Rates (cfm @ 90 psi)			Flange Width Adjustability B (in)	Minimum Allow. Radius for Curve (in)	Load Chain Diameter (mm) x Chain Fall Lines	Net Weight (lbs)	Weight for Additional One Foot of Lift (lbs)
							TCR		MCR					
							No Load	Full Load	No Load Full Load					
3	TCKM3000P	10	8.6	37 / 23	18 / 38	65	148 / 141	124 / 152	53	3.94 to 6.02	51.2	12.5 x 1	326	2.3
6	TCKM6000P2			18 / 12	9 / 19		148 / 141	124 / 152	53	4.92 to 7.02	78.7	12.5 x 2	461	4.6

PENDANT MODEL WITH AIR POWERED TROLLEY—DIMENSIONS

Cap. (Tons)	Product Code	Headroom C (in)	b (in)	b' (in)	d (in)	e (in)	e' (in)	g (in)	i (in)	j (in)	k (in)	m (in)	n (in)	r (in)	t (in)
3	TCKM3000P	29.5	13.4	17.4	10.5	6.9	3.9	1.3	4.9	1.4	5.0	5.1	5.5	2.8	1.7
6	TCKM6000P2	34.1	15.7	19.8	10.8	8.1	4.3	1.7	5.5	1.4	5.5	5.7	6.1	3.9	2.3



TCKM3000P



TCKM6000P2

## TCK Air Powered Hoists with Air Powered, Push and Geared Trolleys

### PENDANT MODEL WITH PUSH OR GEARED TROLLEY—SPECIFICATIONS

Cap. (Tons)	Product Code	Standard Lift (ft)	Push Button Hose L (ft)	Up/Down Speeds (ft/min @ 90 psi)		Up/Down Air Consumption Rates (cubic ft/min @ 90 psi)		Flange Width Adjustability B (in)		Minimum* Allow. Radius for Curve (in)	Load Chain Diameter (mm) x Chain Fall Lines	Net Weight (lbs)	Weight for Additional One Foot of Lift (lbs)
				No Load	Full Load	No Load	Full Load	Standard	Optional				
3	TCKP(TCKG)3000P	10	8.6	37 / 23	18 / 38	148 / 141	124 / 152	3.23 to 6.02	6.03 to 12.00	25.6 (66.9)	12.5 x 1	271 (287)	2.3 (2.9)
6	TCKP(TCKG)6000P2		8.6	18 / 12	9 / 19	148 / 141	124 / 152	5.50 to 8.66	8.67 to 12.00	118.1	12.5 x 2	507 (553)	4.6 (5.2)

Figures in parenthesis are data for geared trolley

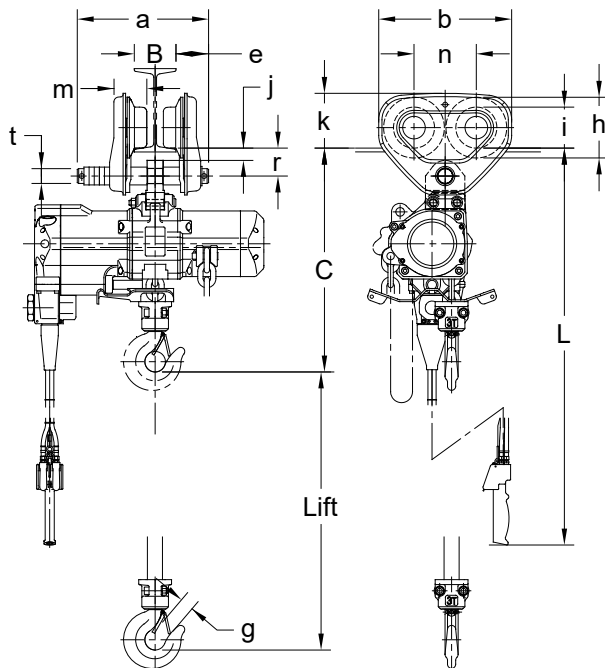
\*Minimum flange width for curved beam: 3 Ton Push and Geared = 3.50 in.

### CORD MODEL WITH PUSH OR GEARED TROLLEY—SPECIFICATIONS

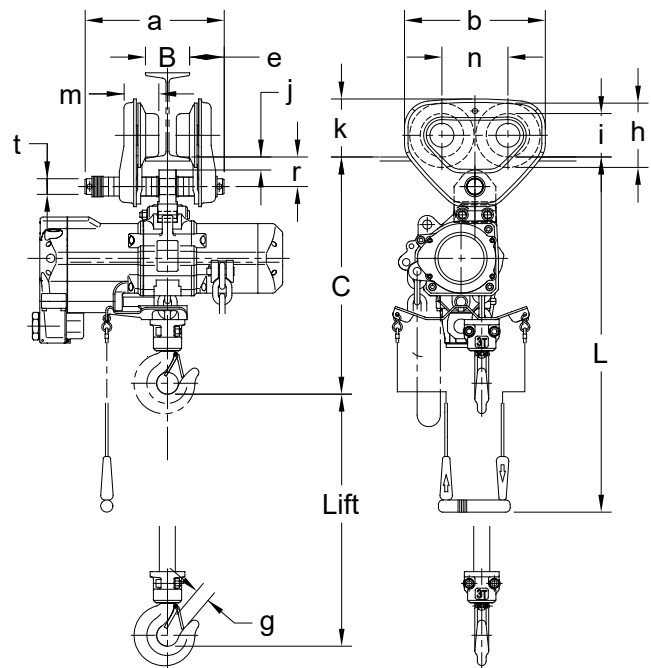
Cap. (Tons)	Product Code	Standard Lift (ft)	Cord L (ft)	Up/Down Speeds (ft/min @ 90 psi)		Up/Down Air Consumption Rates (cubic ft/min @ 90 psi)		Flange Width Adjustability B (in)		Minimum* Allow. Radius for Curve (in)	Load Chain Diameter (mm) x Chain Fall Lines	Net Weight (lbs)	Weight for Additional One Foot of Lift (lbs)
				No Load	Full Load	No Load	Full Load	Standard	Optional				
3	TCKP(TCKG)3000C	10	7.3	37 / 23	18 / 38	148 / 141	124 / 152	3.23 to 6.02	6.03 to 12.00	25.6 (66.9)	12.5 x 1	269 (284)	2.3 (2.9)
6	TCKP(TCKG)6000C2		7.3	18 / 12	9 / 19	148 / 141	124 / 152	5.50 to 8.66	8.67 to 12.00	118.1	12.5 x 2	505 (551)	4.6 (5.2)

Figures in parenthesis are data for geared trolley

\*Minimum flange width for curved beam: 3 Ton Push and Geared = 3.50 in.



TCKP3000P



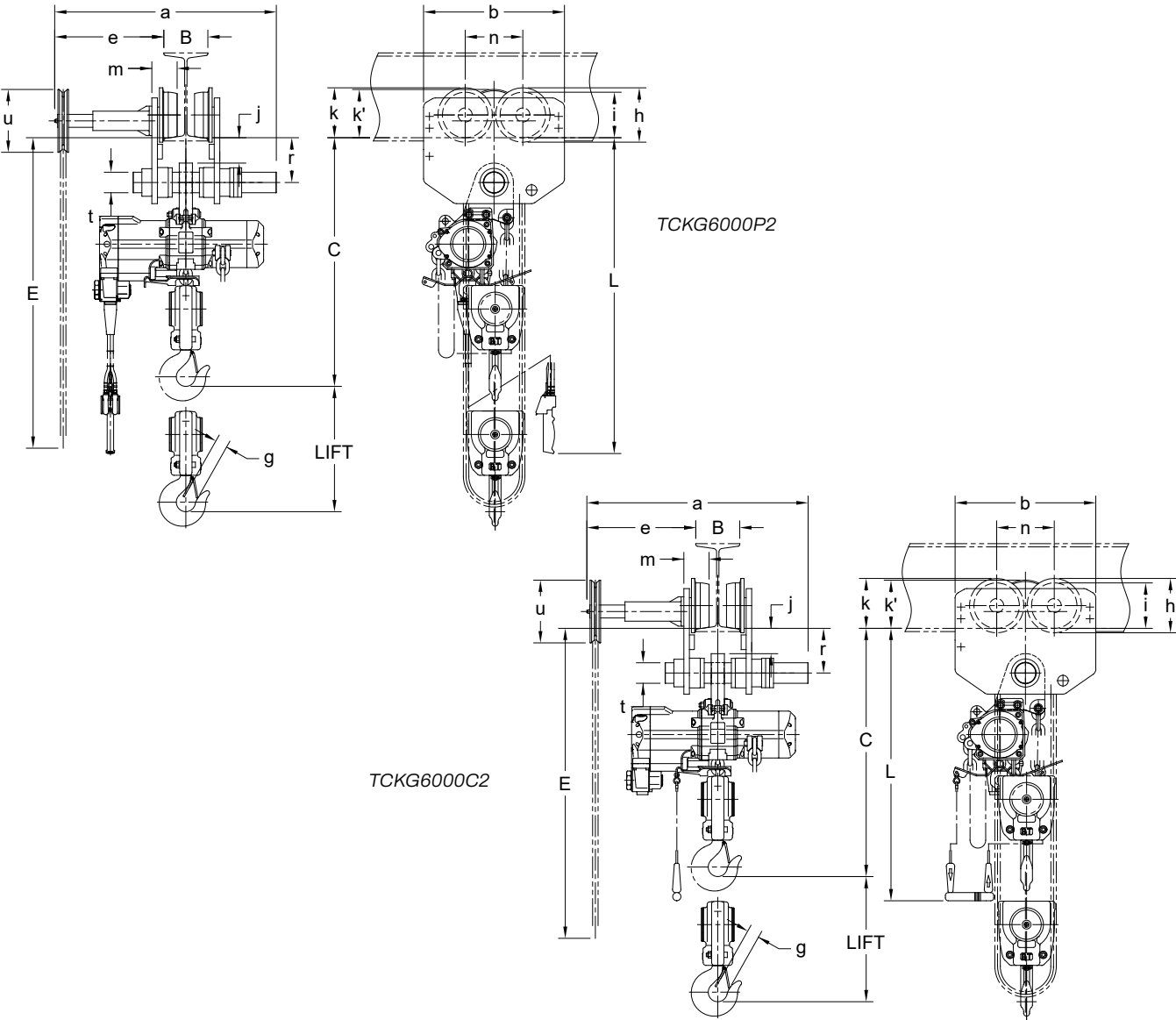
TCKP3000C

PENDANT AND CORD MODEL WITH PUSH TROLLEY—DIMENSIONS

Cap. (Tons)	Product Code	Headroom C (in)	a (in)	b (in)	e (in)	g (in)	h (in)	i (in)	j (in)	k (in)	m (in)	n (in)	r (in)	t (in)
3	TCKP3000C/P	21.5	12.6	12.8	3.1	1.3	5.8	3.94	1.2	5.3	3.1	6.0	2.7	1.42
6	TCKP6000C2/P2	33.4	17.6	18.9	4.1	1.7	7.3	6.10	3.5	6.7	3.4	7.7	6.0	2.76

PENDANT AND CORD MODEL WITH GEARED TROLLEY—DIMENSIONS

Cap. (Tons)	Product Code	Headroom C (in)	E (ft)	a (in)	b (in)	e (in)	g (in)	h (in)	i (in)	j (in)	k (in)	k' (in)	m (in)	n (in)	r (in)	t (in)	u (in)
3	TCKG3000C/P	21.5	9.8	31.2	12.8	15.9	1.3	5.8	3.94	1.2	5.3	4.5	3.1	6.0	2.7	1.42	7.2
6	TCKG6000C2/P2	33.4	10.8	29.7	18.9	14.6	1.7	7.3	6.10	3.4	6.7	6.5	3.4	7.7	6.0	2.76	8.4



## TCS CHEETAH Air Powered Hoists with Pendant and Cord Controls and Hook Suspension

TCS CHEETAH air hoists have extremely fast and uniquely adjustable lifting and lowering speeds. These hoists are lightweight, compact and have outstanding feathering ability making them a perfect fit for fast-paced assembly line and workstation crane applications.



### Features and Benefits

<b>Unlimited Duty Cycle</b> For continuous operation
<b>Spring-Loaded Multi-Vane Motor Design</b> Permits very fine feathering control
<b>Extremely Fast Lifting</b> For applications where speed is critical
<b>Extremely Compact &amp; Lightweight Body</b> Cast aluminum body allows for easy operation, transportation and storage
<b>External Speed Adjustment Screw</b> No tools required to set specific speeds
<b>Adjustable Lifting and Lowering Speeds</b> Increases production capabilities
<b>Heavy-duty Disc Motor Brake System</b> For reliable load support
<b>Low Noise Levels</b> Adds to operator comfort
<b>Nickel Plated Load Chain</b> Resistant to corrosion, abrasion and wear

### Standard Hoist Specifications

<b>Capacity Range</b> 1/4 – 1 Ton
<b>Standard Lift</b> 10' (longer lifts available)
<b>Standard Pendant or Cord Length</b> Hangs approximately 4' above the hoist's fully extended bottom hook (longer lengths available)
<b>Air Supply Requirement</b> 60 – 90 psi
<b>Air Lubrication Requirement</b> Minimum 10 to 15 drops of oil per minute (0.2 – 0.3 cc/min.)
<b>Air Filtration</b> Maximum 5 micron air filter or finer required
<b>Air Inlet Port</b> 1/2" NPT
<b>Air Supply Hose Minimum Size</b> 1/2"
<b>Temperature Range</b> +14° – 140°F
<b>Chain Containers</b> Optional Canvas or Steel



TCS500P



**PENDANT MODEL—SPECIFICATIONS**

Cap. (Tons)	Product Code	Standard Lift (ft)	Push Button Hose L (ft)	Up/Down Speeds (ft/min @ 90 psi)		Up/Down Air Consumption Rates (cubic ft/min @ 90 psi)		Load Chain Diameter (mm) x Chain Fall Lines	Net Weight (lbs)	Weight for Additional One Foot of Lift (lbs)
				No Load	Full Load	No Load	Full Load			
1/4	TCS250P	10	8.1	207 / 125	112 / 207	74 / 64	60 / 71	6.3 x 1	46	0.6
1/2	TCS500P	10	8.1	108 / 62	56 / 112	74 / 64	60 / 71	6.3 x 1	46	0.6
1	TCS1000P2	10	8.1	54 / 31	28 / 56	74 / 64	60 / 71	6.3 x 2	60	1.2

**PENDANT MODEL—DIMENSIONS**

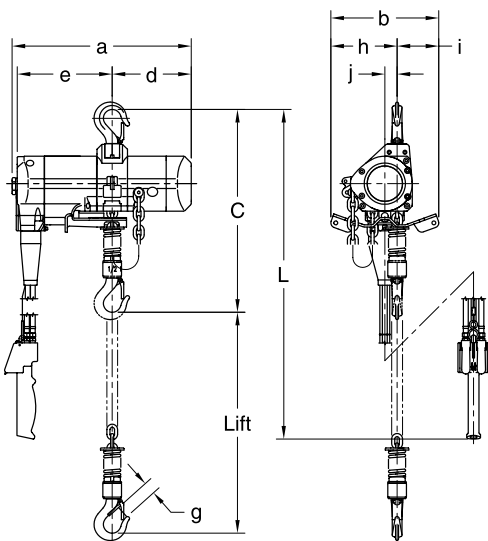
Cap. (Tons)	Product Code	Headroom C (in)	a (in)	b (in)	d (in)	e (in)	g (in)	h (in)	i (in)	j (in)
1/4	TCS250P	16.3	14.4	6.6	6.4	8.0	1.0	4.4	2.2	1.0
1/2	TCS500P	16.3	14.4	6.6	6.4	8.0	1.0	4.4	2.2	1.0
1	TCS1000P2	18.0	14.4	9.0	6.4	8.0	1.1	6.3	2.7	1.9

**CORD MODEL—SPECIFICATIONS**

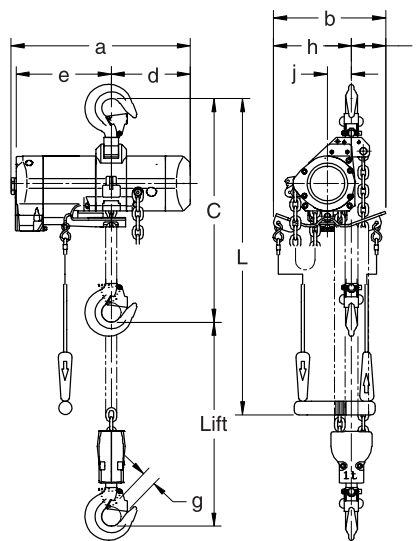
Cap. (Tons)	Product Code	Standard Lift (ft)	Cord L (ft)	Up/Down Speeds (ft/min @ 90 psi)		Up/Down Air Consumption Rates (cubic ft/min @ 90 psi)		Load Chain Diameter (mm) x Chain Fall Lines	Net Weight (lbs)	Weight for Additional One Foot of Lift (lbs)
				No Load	Full Load	No Load	Full Load			
1/4	TCS250C	10	7.3	207 / 125	112 / 207	74 / 64	60 / 71	6.3 x 1	44	0.6
1/2	TCS500C	10	7.3	108 / 62	56 / 112	74 / 64	60 / 71	6.3 x 1	44	0.6
1	TCS1000C2	10	7.3	54 / 31	28 / 56	74 / 64	60 / 71	6.3 x 2	58	1.2

**CORD MODEL—DIMENSIONS**

Cap. (Tons)	Product Code	Headroom C (in)	a (in)	b (in)	d (in)	e (in)	g (in)	h (in)	i (in)	j (in)
1/4	TCS250C	16.3	14.4	8.7	6.4	8.0	1.0	5.3	3.3	1.0
1/2	TCS500C	16.3	14.4	8.7	6.4	8.0	1.0	5.3	3.3	1.0
1	TCS1000C2	18.0	14.4	9.0	6.4	8.0	1.1	6.3	2.7	1.9



TCS250P  
Single Fall Pendant Model



TCS1000C2  
Double Fall Cord Model

## TCL Lube Free Air Powered Hoists with Pendant and Cord Controls and Hook Suspension

Harrington's TCL Series lube free air hoists are able to operate without air supply lubrication which leaves the surrounding environment free of oil mist from the air exhaust. Our TCL series hoists are recommended for use in any area where oil mist cannot be tolerated such as in food, chemical or pharmaceutical industries. These hoists feature precise load positioning with either pendant or cord control.

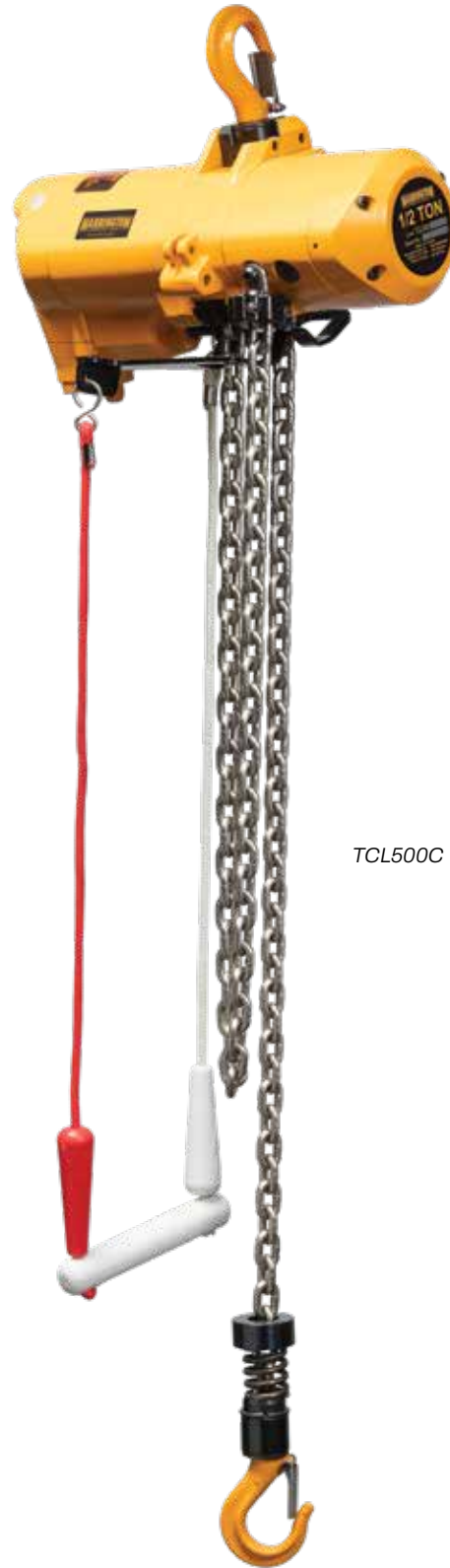
### Features and Benefits

### Standard Hoist Specifications

<p><b>Unlimited Duty Cycle</b> For continuous operation</p> <p><b>Spring-Loaded Multi-Vane Motor Design</b> Permits very fine feathering control</p> <p><b>Extremely Fast Lifting</b> For applications where speed is critical</p> <p><b>Low Noise Levels</b> Adds to operator comfort</p> <p><b>Nickel-Plated Load Chain</b> Resistant to corrosion, abrasion and wear</p> <p><b>Lubrication Free</b> For applications where a clean environment is needed</p> <p><b>1/4–1 Ton Capacities</b></p> <p><b>Extremely Compact &amp; Lightweight Body</b> Cast aluminum body allows for easy operation, transportation and storage</p> <p><b>External Speed Adjustment Screw</b> No tools required to set specific speeds</p> <p><b>Adjustable Lifting and Lowering Speeds</b> Increases production capabilities</p> <p><b>Heavy-duty Disc Motor Brake System</b> For reliable load support</p> <p><b>3–6 Ton Capacities</b></p> <p><b>Overload Limiter</b> Adjustable load limiter detects overload automatically and blocks air flow for lifting</p> <p><b>Cast Iron Housing</b> For strength and durability</p> <p><b>Powder Coated Finish</b> Proven weather resistant in harsh environments</p> <p><b>Internal Disc Brake</b> Protected from harsh environments</p>	<p><b>Capacity Range</b> 1/4 – 6 Ton</p> <p><b>Standard Lift</b> 10' (longer lifts available)</p> <p><b>Standard Pendant or Cord Length</b> Hangs approximately 4 ft. above the hoist's fully extended bottom hook (longer lengths available)</p> <p><b>Air Supply Requirement</b> 60 – 90 psi</p> <p><b>Air Filtration</b> Maximum 5 micron air filter or finer required</p> <p><b>Air Inlet Port</b> 1/4 – 1 Tons — 1/2" NPT 3 – 6 Tons — 1" NPT</p> <p><b>Air Supply Hose Minimum Size</b> 1/4 – 1 Tons — 1/2" 3 – 6 Tons — 3/4"</p> <p><b>Temperature Range</b> +14° – 140°F</p> <p><b>Chain Containers</b> Optional Canvas or Steel</p>
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TCL1000P2



TCL500C

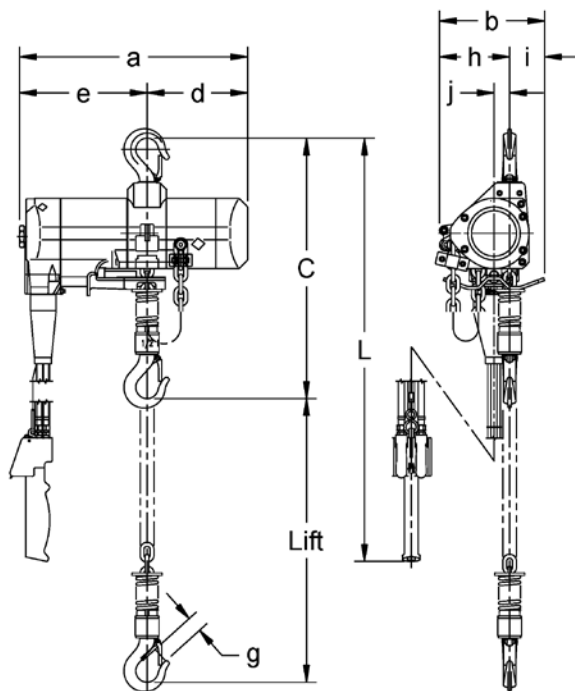
## TCL Lube Free Air Powered Hoists with Pendant and Cord Controls and Hook Suspension

### PENDANT MODEL—SPECIFICATIONS

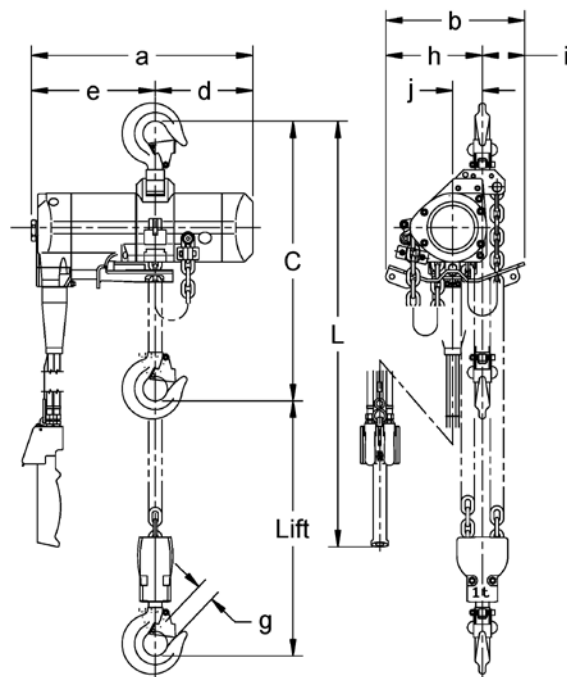
Cap. (Tons)	Product Code	Standard Lift (ft)	Push Button Hose L (ft)	Up/Down Speeds (ft/min @ 90 psi)		Up/Down Air Consumption Rates (cubic ft/min @ 90 psi)		Load Chain Diameter (mm) x Chain Fall Lines	Net Weight (lbs)	Weight for Additional One Foot of Lift (lbs)
				No Load	Full Load	No Load	Full Load			
1/4	TCL250P	10	8.2	151/105	85/144	64/57	57/64	6.3 x 1	46	0.6
1/2	TCL500P			79/53	43/79	64/57	57/64	6.3 x 1	46	0.6
1	TCL1000P2			39/26	21/39	64/57	57/64	6.3 x 2	60	1.2
3	TCL3000P		8.6	24/14	10/22	131/124	106/141	12.5 x 1	225	2.3
6	TCL6000P2			12/7.2	4.9/11	131/124	106/141	12.5 x 2	295	4.6

### PENDANT MODEL—DIMENSIONS

Cap. (Tons)	Product Code	Headroom C (in)	a (in)	b (in)	d (in)	e (in)	g (in)	h (in)	i (in)	j (in)
1/4	TCL250P	16.3	14.4	6.6	6.4	8.0	1.0	4.4	2.2	1.0
1/2	TCL500P	16.3	14.4	6.6	6.4	8.0	1.0	4.9	2.2	1.0
1	TCL1000P2	18.0	14.4	9.0	6.4	8.0	1.1	6.3	2.7	1.9
3	TCL3000P	21.1	22.7	12.3	10.4	12.2	1.3	7.4	4.9	1.3
6	TCL6000P2	30.3	22.7	14.6	10.4	12.2	1.7	9.6	5.0	3.5



TCL500P



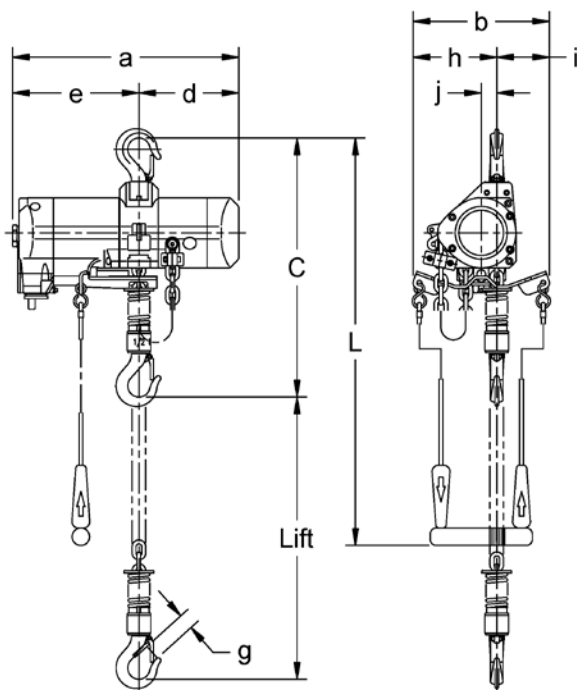
TCL1000P2

**CORD MODEL—SPECIFICATIONS**

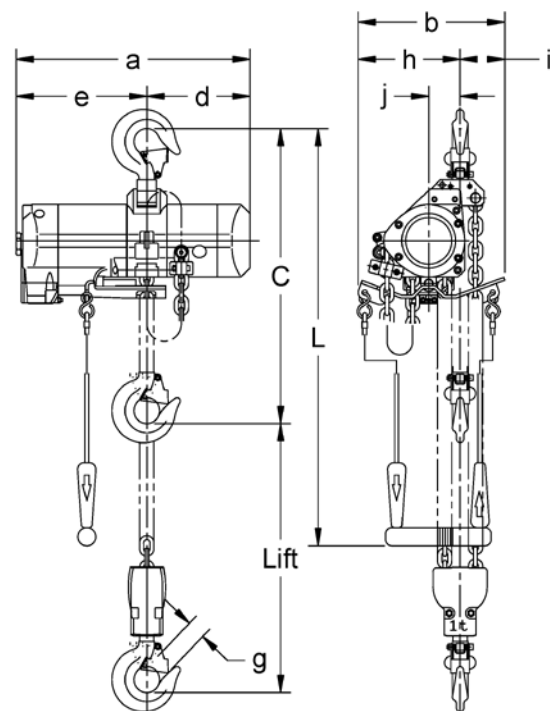
Cap. (Tons)	Product Code	Standard Lift (ft)	Cord L (ft)	Up/Down Speeds (ft/min @ 90 psi)		Up/Down Air Consumption Rates (cubic ft/min @ 90 psi)		Load Chain Diameter (mm) x Chain Fall Lines	Net Weight (lbs)	Weight for Additional One Foot of Lift (lbs)
				No Load	Full Load	No Load	Full Load			
1/4	TCL250C	10	7.3	151/105	85/144	64/57	57/64	6.3 x 1	44	0.6
1/2	TCL500C			79/53	43/79	64/57	57/64	6.3 x 1	44	0.6
1	TCL1000C2			39/26	21/39	64/57	57/64	6.3 x 2	58	1.2
3	TCL3000C			24/14	10/22	131/124	106/141	12.5 x 1	223	2.3
6	TCL6000C2			12/7.2	4.9/11	131/124	106/141	12.5 x 2	293	4.6

**CORD MODEL—DIMENSIONS**

Cap. (Tons)	Product Code	Headroom C (in)	a (in)	b (in)	d (in)	e (in)	g (in)	h (in)	i (in)	j (in)
1/4	TCL250C	16.3	14.4	8.7	6.4	8.0	1.0	5.3	3.3	1.0
1/2	TCL500C	16.3	14.4	8.7	6.4	8.0	1.0	5.3	3.3	1.0
1	TCL1000C2	18.0	14.4	9.0	6.4	8.0	1.1	6.3	2.7	1.9
3	TCL3000C	21.1	22.7	12.3	10.4	12.2	1.3	7.4	4.9	1.3
6	TCL6000C2	30.3	22.7	14.6	10.4	12.2	1.7	9.6	5.0	3.5



TCL500C



TCL1000C2

## TCL Lube Free Air Powered Hoists with Air Powered, Push and Geared Trolleys

For added mobility, add Harrington's MCL air powered trolley to our TCL lube free hoists to easily transport medium to heavy loads. You can also mount these hoists to our PT push trolley or GT geared trolley for lighter or more infrequent moves.

Features and Benefits	Standard Hoist Specifications
<p><b>Air Powered Trolleys</b></p> <p><b>Unlimited Duty Cycle</b> For continuous operation</p> <p><b>Spring-Loaded Multi-Vane Motor Design</b> Permits smooth operation and controlled travel</p> <p><b>Drop Stops &amp; Rubber Bumpers</b> To ensure safe operation</p> <p><b>Side Guide Rollers</b> Provide additional stability and smooth travel</p> <p><b>Versatile Wheels</b> Fit flat or tapered beam flange</p> <p><b>Trolley Muffler</b> Produces low noise levels</p> <p><b>Nickel-Plated Load Chain</b> Resistant to corrosion, abrasion and wear</p> <p><b>Lubrication Free</b> For applications where a clean environment is needed</p> <p><b>1/4-1 Ton Capacities</b></p> <p><b>Extremely Compact &amp; Lightweight Body</b> Cast aluminum body allows for easy operation, transportation and storage</p> <p><b>3-6 Ton Capacities</b></p> <p><b>Cast Iron Housing</b> For strength and durability</p> <p><b>Powder Coated Finish</b> Proven weather resistant in harsh environments</p> <p><b>Internal Disc Brake</b> Protected from harsh environments</p> <p><b>Manual Trolleys</b></p> <p><b>Shafts</b> Standard shafts fit wide range of beams Longer shafts available for larger beams Spacers for easy adjustments</p> <p><b>Wheels</b> All steel Sealed ball bearings Fit flat or tapered beam flange</p>	<p><b>Air Powered Trolleys</b></p> <p><b>Capacity Range</b> 1/4 – 6 Ton</p> <p><b>Control Option on Trolley/Hoist</b> TCLM — Pendant control only</p> <p><b>Standard Pendant Length</b> Hangs approximately 4' above the hoist's fully extended bottom hook (longer lengths available)</p> <p><b>Air Supply Requirement</b> 60 – 90 psi</p> <p><b>Air Filtration</b> Maximum 5 micron air filter or finer required</p> <p><b>Air Inlet Port</b> 3/4" NPT</p> <p><b>Air Supply Hose Minimum Size</b> 1/4 – 2 Tons — 1/2" 3 – 6 Tons — 3/4"</p> <p><b>Operating Conditions</b> Temperature range +14° to 140°F Humidity 85% or less</p> <p><b>Manual Trolleys</b></p> <p><b>Capacity Range</b> Push – 1/4 – 6 Ton Geared – 3 – 6 Ton</p> <p><b>Control Option on Hoist</b> TCLP and TCLG — Pendant and cord</p> <p><b>Standard Hand Chain Length</b> On geared trolleys Hangs approximately 2' less than fully extended bottom hook (longer lengths available)</p>



TCLM1000P2



TCLP500P



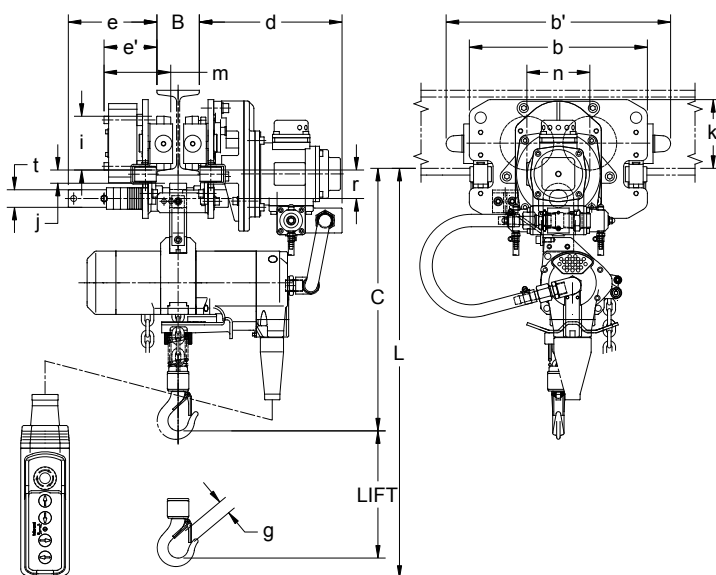
## TCL Lube Free Air Powered Hoists with Air Powered, Push and Geared Trolleys

### PENDANT MODEL WITH AIR POWERED TROLLEY—SPECIFICATIONS

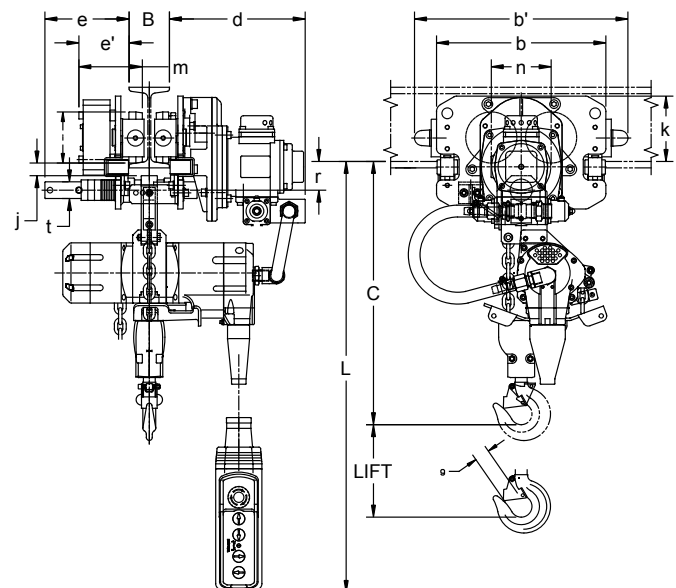
Cap. (Tons)	Product Code	Standard Lift (ft)	Push Button Hose L (ft)	Up/Down Speeds (ft/min @ 90 psi)		Traversing Speed (ft/min)	Air Consumption Rates (cfm @ 90 psi)			Flange Width Adjustability B (in)	Minimum Allow. Radius for Curve (in)	Load Chain Diameter (mm) x Chain Fall Lines	Net Weight (lbs)	Weight for Additional One Foot of Lift (lbs)
							TCR		MCL					
				No Load	Full Load		No Load	Full Load	No Load Full Load					
1/4	TCLM250P	10	8.2	151 / 105	85 / 144	65	64 / 57	57 / 64	53	2.28 to 5.00	137.8	6.3 x 1	151	0.6
1/2	TCLM500P			79 / 53	43 / 79		64 / 57	57 / 64	53			6.3 x 1	151	0.6
1	TCLM1000P2			39 / 26	21 / 39		64 / 57	57 / 64	53			6.3 x 2	165	1.2
3	TCLM3000P	10	8.6	24 / 14	10 / 22	65	131 / 124	106 / 141	53	3.94 to 6.02	51.2	12.5 x 1	326	2.3
6	TCLM6000P2			12 / 7.2	4.9 / 11		131 / 124	106 / 141	53	4.92 to 7.02	78.7	12.5 x 2	461	4.6

### PENDANT MODEL WITH AIR POWERED TROLLEY—DIMENSIONS

Cap. (Tons)	Product Code	Headroom C (in)	b (in)	b' (in)	d (in)	e (in)	e' (in)	g (in)	i (in)	j (in)	k (in)	m (in)	n (in)	r (in)	t (in)
1/4	TCLM250P	18.3	12.4	15.6	9.9	6.2	3.7	1.0	3.7	0.9	4.8	4.6	4.4	2.0	1.2
1/2	TCLM500P	18.3	12.4	15.6	9.9	6.2	3.7	1.0	3.7	0.9	4.8	4.6	4.4	2.0	1.2
1	TCLM1000P2	19.3	12.4	15.6	9.9	6.2	3.7	1.1	3.7	0.9	4.8	4.6	4.4	2.0	1.2
3	TCLM3000P	29.5	13.4	17.4	10.5	6.9	3.9	1.3	4.9	1.4	5.0	5.1	5.5	2.8	1.7
6	TCLM6000P2	34.1	15.7	19.8	10.8	8.1	4.3	1.7	5.5	1.4	5.5	5.7	6.1	3.9	2.3



TCLM500P



TCLM1000P2



**PENDANT MODEL WITH PUSH OR GEARED TROLLEY—SPECIFICATIONS**

Cap. (Tons)	Product Code	Standard Lift (ft)	Push Button Hose L (ft)	Up/Down Speeds (ft/min @ 90 psi)		Up/Down Air Consumption Rates (cubic ft/min @ 90 psi)		Flange Width Adjustability B (in)		Minimum* Allow. Radius for Curve (in)	Load Chain Diameter (mm) x Chain Fall Lines	Net Weight (lbs)	Weight for Additional One Foot of Lift (lbs)
				No Load	Full Load	No Load	Full Load	Standard	Optional				
1/4	TCLPL250P	10	8.2	151 / 105	85 / 144	64 / 57	57 / 64	2.28 to 4.00	4.01 to 8.00 OR 8.01 to 12.00	13.8	6.3 x 1	56	0.6
1/2	TCLPL500P			79 / 53	43 / 79	64 / 57	57 / 64		5.01 to 8.00 OR 8.01 to 12.00		6.3 x 1	56	0.6
1	TCLPL1000P2			39 / 26	21 / 39	64 / 57	57 / 64	2.28 to 5.00	5.01 to 8.00 OR 8.01 to 12.00	17.7	6.3 x 2	78	1.2
3	TCLP(TCLG)3000P		8.6	24 / 14	10 / 22	131 / 124	106 / 141	3.23 to 6.02	6.03 to 12.00	25.6 (66.9)	12.5 x 1	271 (287)	2.3 (2.9)
6	TCLP(TCLG)6000P2			12 / 7.2	4.9 / 11	131 / 124	106 / 141	5.50 to 8.66	8.67 to 12.00	118.1	12.5 x 2	507 (553)	4.6 (5.26)

Figures in parenthesis are data for geared trolley

\*Minimum flange width for curved beam: 1 Ton Push and 1/8 to 1 Ton Geared = 2.87 in.

3 Ton Push and Geared = 3.50 in.

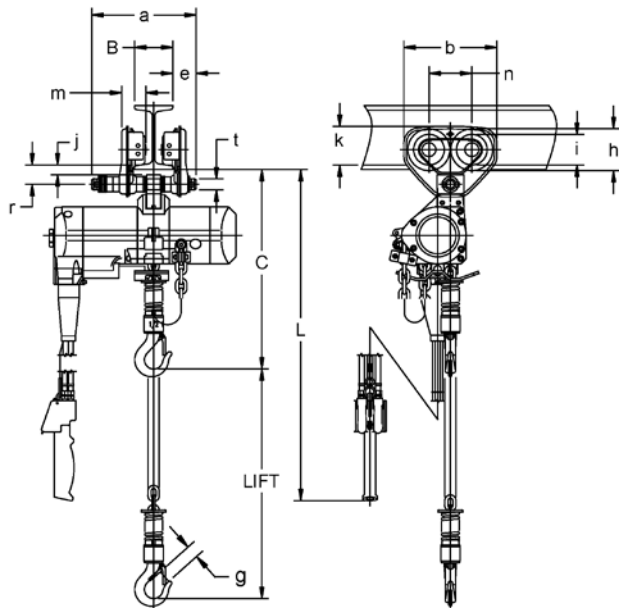
**CORD MODEL WITH PUSH OR GEARED TROLLEY—SPECIFICATIONS**

Cap. (Tons)	Product Code	Standard Lift (ft)	Cord L (ft)	Up/Down Speeds (ft/min @ 90 psi)		Up/Down Air Consumption Rates (cubic ft/min @ 90 psi)		Flange Width Adjustability B (in)		Minimum* Allow. Radius for Curve (in)	Load Chain Diameter (mm) x Chain Fall Lines	Net Weight (lbs)	Weight for Additional One Foot of Lift (lbs)
				No Load	Full Load	No Load	Full Load	Standard	Optional				
1/4	TCLPL250C	10	7.3	151 / 105	85 / 144	64 / 57	57 / 64	2.28 to 4.00	4.01 to 8.00 OR 8.01 to 12.00	13.8	6.3 x 1	54	0.6
1/2	TCLPL500C			79 / 53	43 / 79	64 / 57	57 / 64		5.01 to 8.00 OR 8.01 to 12.00		6.3 x 1	54	0.6
1	TCLPL1000C2			39 / 26	21 / 39	64 / 57	57 / 64	2.28 to 5.00	5.01 to 8.00 OR 8.01 to 12.00	17.7	6.3 x 2	76	1.2
3	TCLP(TCLG)3000C			24 / 14	10 / 22	131 / 124	106 / 141	3.23 to 6.02	6.03 to 12.00	25.6 (66.9)	12.5 x 1	269 (284)	2.3 (2.9)
6	TCLP(TCLG)6000C2			12 / 7.2	4.9 / 11	131 / 124	106 / 141	5.50 to 8.66	8.67 to 12.00	118.1	12.5 x 2	505 (551)	4.6 (5.2)

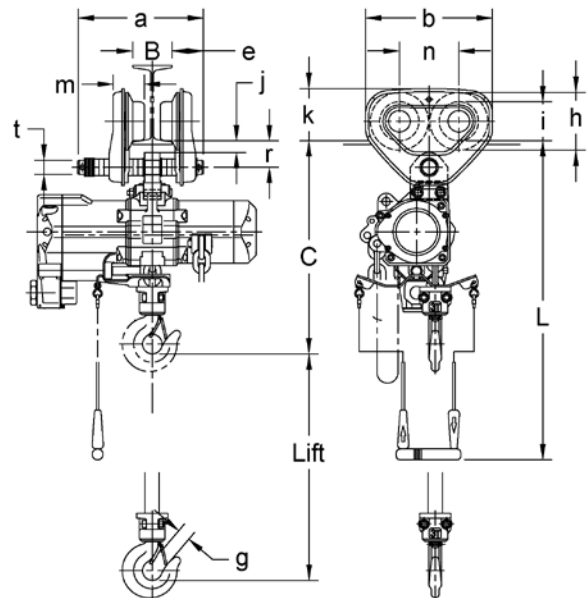
Figures in parenthesis are data for geared trolley

\*Minimum flange width for curved beam: 1 Ton Push and 1/8 to 1 Ton Geared = 2.87 in.

3 Ton Push and Geared = 3.50 in.



TCLP500P

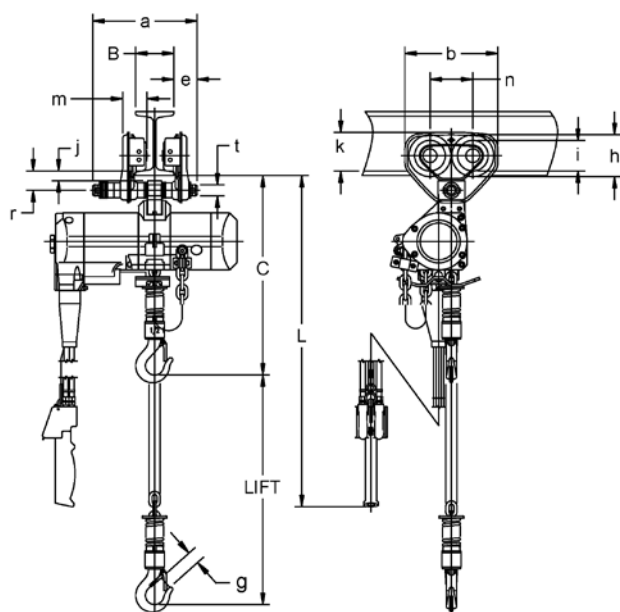


TCLP3000C

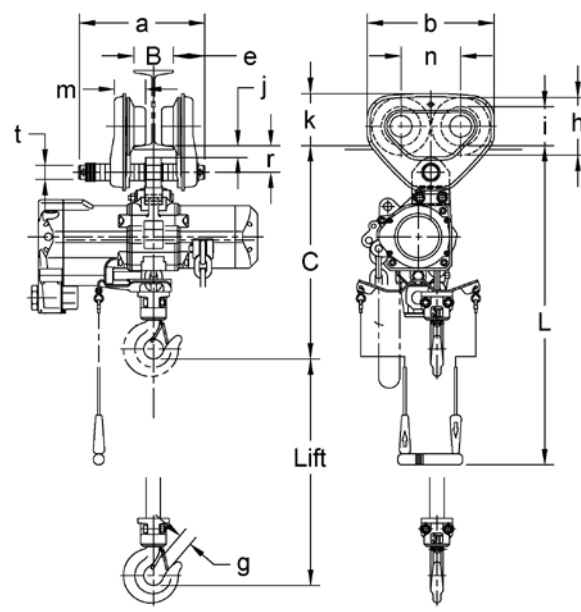
## TCL Lube Free Air Powered Hoists with Air Powered, Push and Geared Trolleys

### PENDANT AND CORD MODEL WITH PUSH TROLLEY—DIMENSIONS

Cap. (Tons)	Product Code	Headroom C (in)	a (in)	b (in)	e (in)	g (in)	h (in)	i (in)	j (in)	k (in)	m (in)	n (in)	r (in)	t (in)
1/4	TCLP250P	15.4	8.0	7.2	1.8	1.0	3.2	2.36	0.8	3.0	1.9	3.3	1.5	0.87
1/2	TCLP500P	15.4	8.0	7.2	1.8	1.0	3.2	2.36	0.8	3.0	1.9	3.3	1.5	0.87
1	TCLP1000P2	17.0	9.8	9.3	2.2	1.1	4.2	2.80	1.2	3.7	2.2	4.4	2.0	0.98
3	TCLP3000C/P	21.1	12.6	12.8	3.2	1.3	5.8	3.94	1.2	5.3	3.1	6.0	2.7	1.42
6	TCLP6000C2/P2	28.8	17.6	18.9	4.1	1.7	7.3	6.10	3.5	6.7	3.4	7.7	6.0	2.76



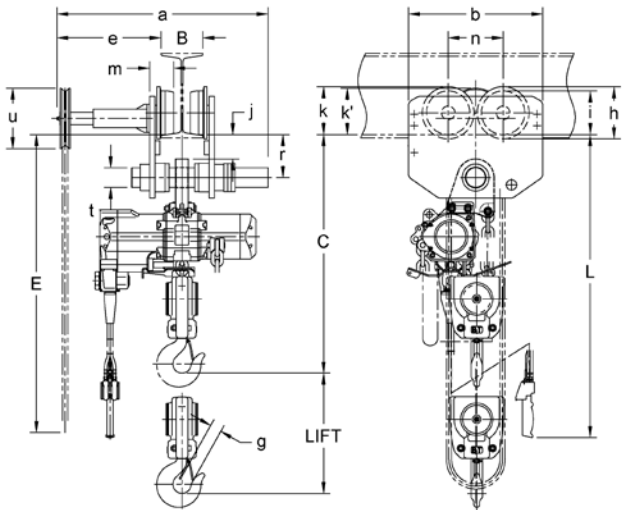
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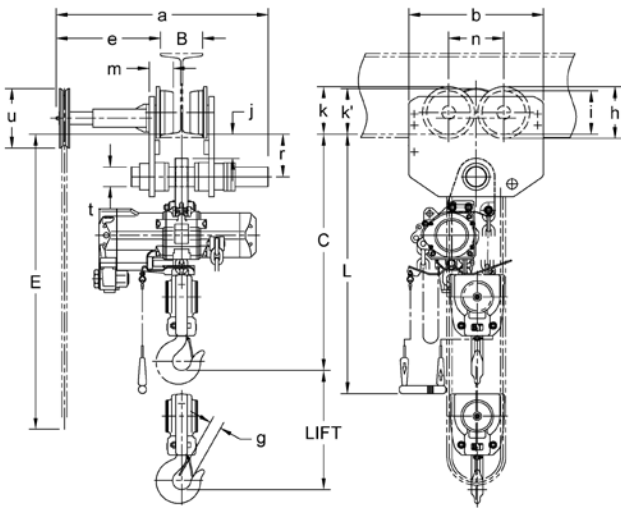
TCLP3000C

PENDANT AND CORD MODEL WITH GEARED TROLLEY—DIMENSIONS

Cap. (Tons)	Product Code	Headroom C (in)	E (ft)	a (in)	b (in)	e (in)	g (in)	h (in)	i (in)	j (in)	k (in)	k' (in)	m (in)	n (in)	r (in)	t (in)	u (in)
3	TCLG3000C/P	21.5	9.8	31.2	12.8	15.9	1.3	5.8	3.94	1.2	5.3	4.5	3.1	6.0	2.7	1.42	7.2
6	TCLG6000C2/P2	33.4	10.8	29.7	18.9	14.6	1.7	7.3	6.10	3.4	6.7	6.5	3.4	7.7	6.0	2.76	8.4





TCLG6000P2



TCLG6000C2

## TCE Ex Certified Spark Resistant\* Air Powered Hoists with Pendant and Cord Controls and Hook Suspension

Harrington's TCE-IIB Series air hoists are built with components that will reduce or eliminate risk of spark produced by impact or friction in heavy-duty industrial applications. Our TCE-IIB are Ex certified spark resistant to level  II 2G Ex h IIB T4 Gb and  II 2D Ex h IIB 130°C Db and are in compliance with the ATEX Directive 2014/34/EU.

### Features and Benefits

### Standard Hoist Specifications

<p><b>Unlimited Duty Cycle</b> For continuous operation</p> <p><b>Spring-Loaded Multi-Vane Motor Design</b> Permits very fine feathering control</p> <p><b>Extremely Fast Lifting</b> For applications where speed is critical</p> <p><b>Low Noise Levels</b> Adds to operator comfort</p> <p><b>Load Chain</b> Nickel-plated for spark resistance</p> <p><b>Top and Bottom Hooks</b> Bronze coated for spark resistance</p> <p><b>1/4–1 Ton Capacities</b></p> <p><b>Extremely Compact &amp; Lightweight Body</b> Cast aluminum body allows for easy operation, transportation and storage</p> <p><b>External Speed Adjustment Screw</b> No tools required to set specific speeds</p> <p><b>Adjustable Lifting and Lowering Speeds</b> Increases production capabilities</p> <p><b>Heavy-duty Disc Motor Brake System</b> For reliable load support</p> <p><b>3–6 Ton Capacities</b></p> <p><b>Overload Limiter</b> Adjustable load limiter detects overload automatically and blocks air flow for lifting</p> <p><b>Cast Iron Housing</b> For strength and durability</p> <p><b>Powder Coated Finish</b> Proven weather resistant in harsh environments</p> <p><b>Internal Disc Brake</b> Protected from harsh environments</p>	<p><b>Capacity Range</b> 1/4 – 6 Ton</p> <p><b>Standard Lift</b> 10' (longer lifts available)</p> <p><b>Standard Pendant or Cord Length</b> Hangs approximately 4 ft. above the hoist's fully extended bottom hook (longer lengths available)</p> <p><b>Air Supply Requirement</b> 60 – 90 psi</p> <p><b>Air Filtration</b> Maximum 5 micron air filter or finer required</p> <p><b>Air Inlet Port</b> 1/4 – 1 Tons — 1/2" NPT 3 – 6 Tons — 1" NPT</p> <p><b>Air Supply Hose Minimum Size</b> 1/4 – 1 Tons — 1/2" 3 – 6 Tons — 3/4"</p> <p><b>Temperature Range</b> +14° – 140°F</p> <p><b>Chain Containers</b> Optional Canvas or Stainless Steel</p> <p><i>*See page 62 for ATEX Directive</i></p>
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TCE6000P2-IIB



TCE500C-IIB

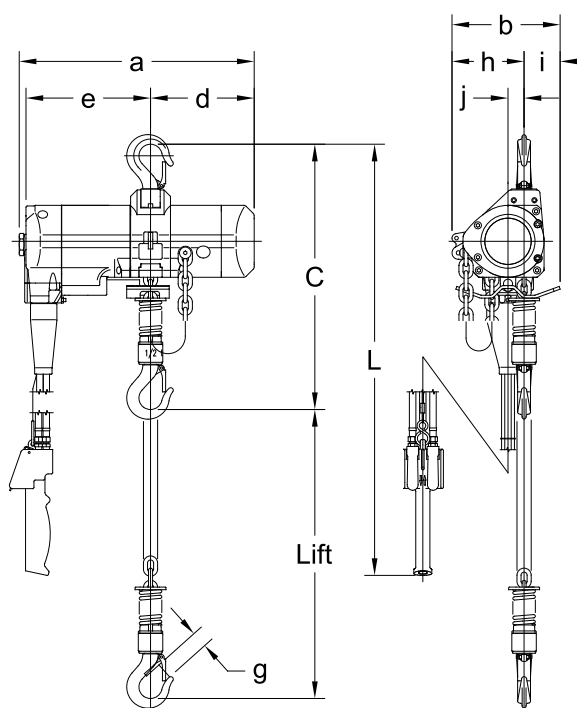
# TCE Ex Certified Spark Resistant\* Air Powered Hoists with Pendant and Cord Controls and Hook Suspension

## PENDANT MODEL—SPECIFICATIONS

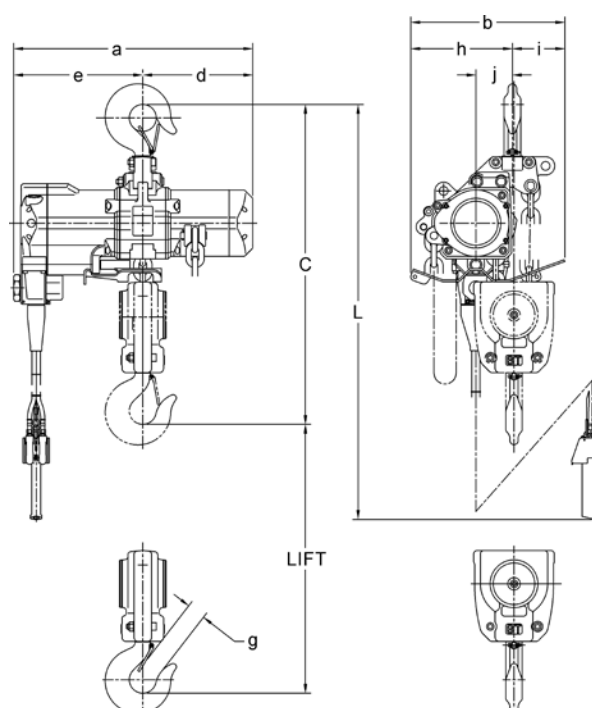
Cap. (Tons)	Product Code	Standard Lift (ft)	Push Button Hose L (ft)	Up/Down Speeds (ft/min @ 90 psi)		Up/Down Air Consumption Rates (cubic ft/min @ 90 psi)		Load Chain Diameter (mm) x Chain Fall Lines	Net Weight (lbs)	Weight for Additional One Foot of Lift (lbs)
				No Load	Full Load	No Load	Full Load			
1/4	TCE250P-IIB	10	8.2	207 / 125	112 / 207	78 / 67	64 / 74	6.3 x 1	46	0.6
1/2	TCE500P-IIB			108 / 62	56 / 112	74 / 64	60 / 71	6.3 x 1	46	0.6
1	TCE1000P2-IIB			54 / 31	28 / 56	74 / 64	60 / 71	6.3 x 2	55	1.2
3	TCE3000P-IIB	8.6	8.6	37 / 23	18 / 38	148 / 141	124 / 152	12.5 x 1	225	2.3
6	TCE6000P2-IIB			18 / 12	9 / 19	148 / 141	124 / 152	12.5 x 2	295	4.6

## PENDANT MODEL—DIMENSIONS

Cap. (Tons)	Product Code	Headroom C (in)	a (in)	b (in)	d (in)	e (in)	g (in)	h (in)	i (in)	j (in)
1/4	TCE250P-IIB	16.3	14.4	8.7	6.4	8.0	1.0	5.3	3.3	1.0
1/2	TCE500P-IIB	16.3	14.4	8.7	6.4	8.0	1.0	5.3	3.3	1.0
1	TCE1000P2-IIB	18.0	14.4	9.0	6.4	8.0	1.1	6.3	2.7	1.9
3	TCE3000P-IIB	21.1	22.7	12.4	10.4	12.2	1.3	7.4	4.9	1.3
6	TCE6000P2-IIB	30.3	22.7	14.6	10.4	12.2	1.7	9.6	5.0	3.5



TCE500P



TCE6000P2

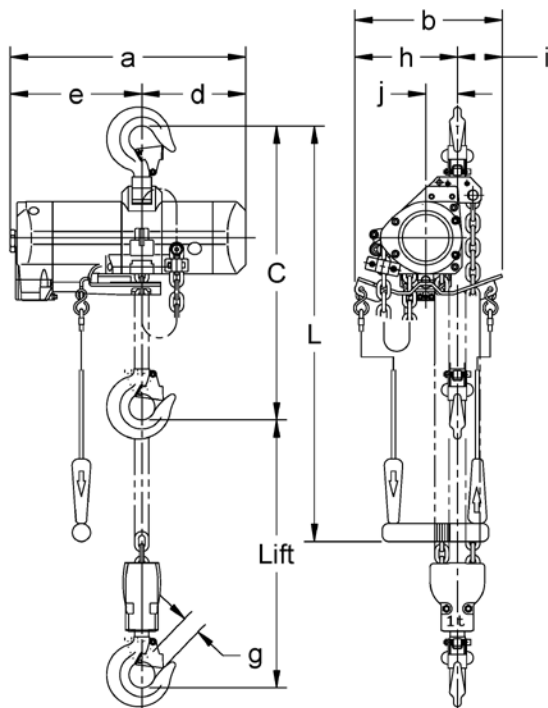
\*See page 62 for ATEX Directive

**CORD MODEL—SPECIFICATIONS**

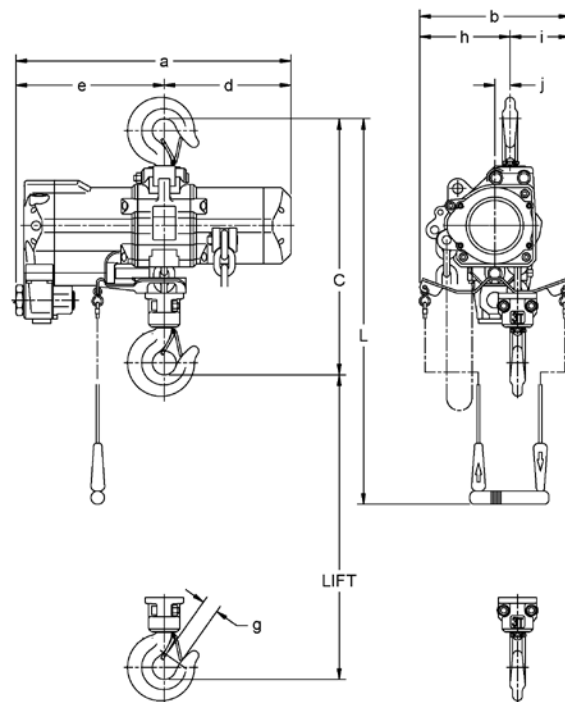
Cap. (Tons)	Product Code	Standard Lift (ft)	Cord L (ft)	Up/Down Speeds (ft/min @ 90 psi)		Up/Down Air Consumption Rates (cubic ft/min @ 90 psi)		Load Chain Diameter (mm) x Chain Fall Lines	Net Weight (lbs)	Weight for Additional One Foot of Lift (lbs)
				No Load	Full Load	No Load	Full Load			
1/4	TCE250C-IIB	10	7.3	207 / 125	112 / 207	78 / 67	64 / 74	6.3 x 1	46	0.6
1/2	TCE500C-IIB			108 / 62	56 / 112	74 / 64	60 / 71	6.3 x 1	46	0.6
1	TCE1000C2-IIB			54 / 31	28 / 56	74 / 64	60 / 71	6.3 x 2	55	1.2
3	TCE3000C-IIB			37 / 23	18 / 38	148 / 141	124 / 152	12.5 x 1	225	2.3
6	TCE6000C2-IIB			18 / 12	9 / 19	148 / 141	124 / 152	12.5 x 2	295	4.6

**CORD MODEL—DIMENSIONS**

Cap. (Tons)	Product Code	Headroom C (in)	a (in)	b (in)	d (in)	e (in)	g (in)	h (in)	i (in)	j (in)
1/4	TCE250C-IIB	16.3	14.4	8.7	6.4	8.0	1.0	5.3	3.3	1.0
1/2	TCE500C-IIB	16.3	14.4	8.7	6.4	8.0	1.0	5.3	3.3	1.0
1	TCE1000C2-IIB	18.0	14.4	9.0	6.4	8.0	1.1	6.3	2.7	1.9
3	TCE3000C-IIB	21.1	22.7	12.4	10.4	12.2	1.3	7.4	4.9	1.3
6	TCE6000C2-IIB	30.3	22.7	14.6	10.4	12.2	1.7	9.6	5.0	3.5



TCE1000C2



TCE3000C

## TCE Ex Certified Spark Resistant\* Air Powered Hoists with Air Powered, Push and Geared Trolleys

Harrington's TCE-IIB Series can easily be matched with our MCE Air Powered, VLPT Push and our VLGT Geared Trolleys when you need to move a load to other locations.

### Features and Benefits

#### Air Powered Trolleys

##### Unlimited Duty Cycle

For continuous operation

##### ATEX Ratings

TCE IIB hoists with MCE Trolley -

II 2G Ex h IIB T4 Gb; II 2D Ex h IIB 130°C Db

#### Spring-Loaded Multi-Vane Motor Design

Permits smooth operation and controlled travel

#### Drop Stops & Rubber Bumpers

To ensure safe operation

#### Bronze Side Guide Rollers

Provide additional stability and smooth travel

#### Versatile Bronze Wheels

Fit flat or tapered beam flange

#### Trolley Muffler

Produces low noise levels

#### Load Chain

Nickel-plated for spark resistance

#### Bottom Hooks

Bronze coated for spark resistance

#### 1/4-1 Ton Capacities

##### Extremely Compact & Lightweight Body

Cast aluminum body allows for easy operation, transportation and storage

#### 3-6 Ton Capacities

##### Cast Iron Housing

For strength and durability

##### Powder Coated Finish

Proven weather resistant in harsh environments

##### Internal Disc Brake

Protected from harsh environments

#### Manual Trolleys

##### Shafts

Standard shafts fit wide range of beams  
Longer shafts available for larger beams  
Spacers for easy adjustments

##### Wheels

Bronze  
Sealed ball bearings  
Fit flat or tapered beam flange

### Standard Hoist Specifications

#### Air Powered Trolleys

##### Capacity Range

1/4 - 6 Ton

##### Control Option on Trolley/Hoist

TCEM — Pendant control only

##### Standard Pendant Length

Hangs approximately 4' above the hoist's fully extended bottom hook (longer lengths available)

##### Air Supply Requirement

60 - 90 psi

##### Air Filtration

Maximum 5 micron air filter or finer required

##### Air Inlet Port

3/4" NPT

##### Air Supply Hose Minimum Size

1/4 - 1 Ton — 1/2"  
3 - 6 Tons — 3/4"

##### Operating Conditions

Temperature range +14° to 140°F  
Humidity 85% or less

#### Manual Trolleys

##### Capacity Range

1/4 - 6 Ton

##### Control Option on Hoist

Pendant and cord

##### Standard Hand Chain Length

On geared trolleys  
Hangs approximately 2' less than fully extended bottom hook (longer lengths available)  
Stainless Steel

##### Rubber Bumpers

Standard

##### Anti-Kick-Up Device

Standard on geared trolleys

\*See page 62 for ATEX Directive





TCEM1000P2-IIB



TCEP500P-IIB



TCEG1000P2-IIB

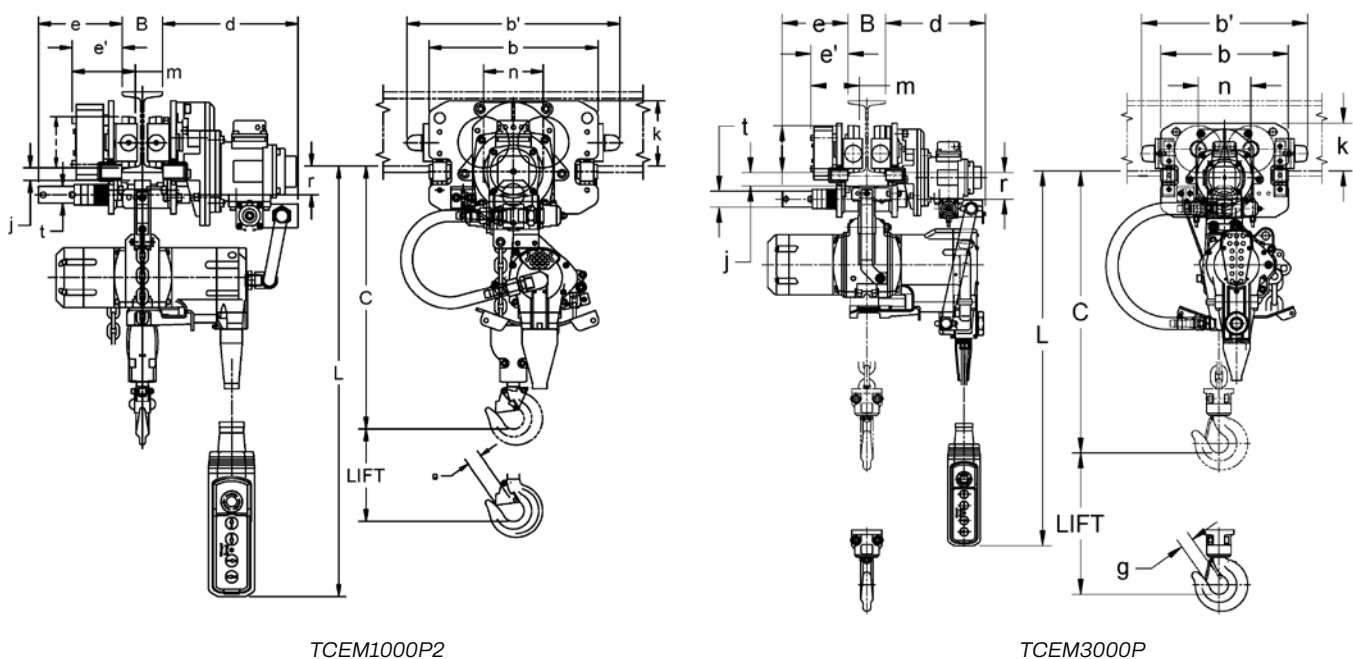
## TCE Ex Certified Spark Resistant\* Air Powered Hoists with Air Powered, Push and Geared Trolleys

### PENDANT MODEL WITH AIR POWERED TROLLEY—SPECIFICATIONS

Cap. (Tons)	Product Code	Standard Lift (ft)	Push Button Hose L (ft)	Up/Down Speeds (ft/min @ 90 psi)		Traversing Speed (ft/min)	Air Consumption Rates (cfm @ 90 psi)			Flange Width Adjustability B (in)	Minimum Allow. Radius for Curve (in)	Load Chain Diameter (mm) x Chain Fall Lines	Net Weight (lbs)	Weight for Additional One Foot of Lift (lbs)
							TCE		MCE					
				No Load	Full Load		No Load	Full Load	No Load Full Load					
1/4	TCEM250P-IIB	10	8.2	207 / 125	112 / 207	65	78 / 67	64 / 74	53	2.28 to 5.00	137.8	6.3 x 1	151	0.6
1/2	TCEM500P-IIB			108 / 62	56 / 112		74 / 64	60 / 71	53			6.3 x 1	151	0.6
1	TCEM1000P2-IIB			54 / 31	28 / 56		74 / 64	60 / 71	53			6.3 x 2	165	1.2
3	TCEM3000P-IIB	8.6	8.6	37 / 23	18 / 38	65	148 / 141	124 / 152	53	3.94 to 6.02	51.2	12.5 x 1	326	2.3
6	TCEM6000P2-IIB			18 / 12	9 / 19		148 / 141	124 / 152	53	4.92 to 7.02	78.7	12.5 x 2	461	4.6

### PENDANT MODEL WITH AIR POWERED TROLLEY—DIMENSIONS

Cap. (Tons)	Product Code	Headroom C (in)	b (in)	b' (in)	d (in)	e (in)	e' (in)	g (in)	i (in)	j (in)	k (in)	m (in)	n (in)	r (in)	t (in)
1/4	TCEM250P-IIB	18.3	12.4	15.6	9.9	6.2	3.7	1.0	3.7	0.9	4.8	4.6	4.4	2.0	1.2
1/2	TCEM500P-IIB	18.3	12.4	15.6	9.9	6.2	3.7	1.0	3.7	0.9	4.8	4.6	4.4	2.0	1.2
1	TCEM1000P2-IIB	19.3	12.4	15.6	9.9	6.2	3.7	1.1	3.7	0.9	4.8	4.6	4.4	2.0	1.2
3	TCEM3000P-IIB	29.5	13.4	17.4	10.5	6.9	3.9	1.3	4.9	1.4	5.0	5.1	5.5	2.8	1.7
6	TCEM6000P2-11B	34.1	15.7	19.8	10.8	8.1	4.3	1.7	5.5	1.4	5.5	5.7	6.1	3.9	2.3



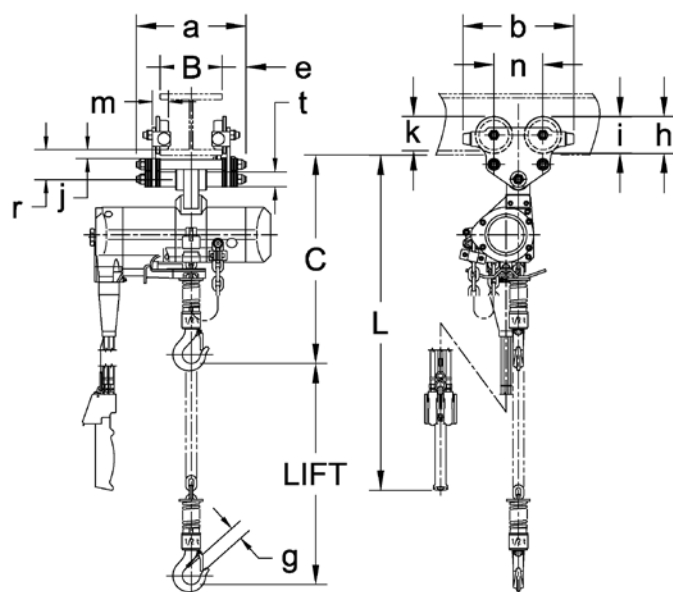
\*See page 62 for ATEX Directive

**PENDANT MODEL WITH PUSH OR GEARED TROLLEY—SPECIFICATIONS**

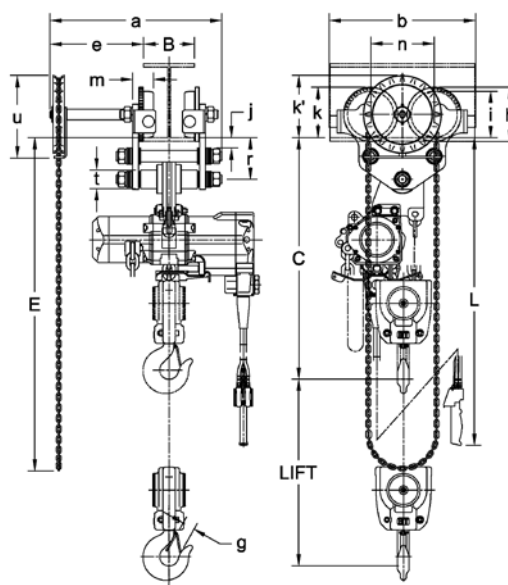
Cap. (Tons)	Product Code	Standard Lift (ft)	Push Button Hose L (ft)	Up/Down Speeds (ft/min @ 90 psi)		Up/Down Air Consumption Rates (cubic ft/min @ 90 psi)		Flange Width Adjustability B (in)		Minimum* Allow. Radius for Curve (in)	Load Chain Diameter (mm) x Chain Fall Lines	Net Weight (lbs)	Weight for Additional One Foot of Lift (lbs)
				No Load	Full Load	No Load	Full Load	Standard	Optional				
1/4	TCEP(TCEG)250P-IIB	10	8.2	207 / 125	112 / 207	78 / 67	64 / 74	2.17 to 4.13	4.14 to 6.10 OR 6.11 to 8.07 OR 8.08 to 10.04	41.3	6.3 x 1	62 (72)	0.6 (1.2)
1/2	TCEP(TCEG)500P-IIB			108 / 62	56 / 112	74 / 64	60 / 71				6.3 x 1	62 (72)	0.6 (1.2)
1	TCEP(TCEG)1000P2-IIB			54 / 31	28 / 56	74 / 64	60 / 71	2.91 to 5.28	5.29 to 7.48 OR 7.49 to 9.84 OR 9.85 to 12.01	55.1	6.3 x 2	87 (96)	1.2 (1.8)
3	TCEP(TCEG)3000P-IIB		8.6	37 / 23	18 / 38	148 / 141	124 / 152	4.17 to 6.38	6.39 to 8.50 OR 8.51 to 10.47 OR 10.48 to 12.01	86.6	12.5 x 1	318 (330)	2.3 (2.9)
6	TCEP(TCEG)6000P2-IIB			18 / 12	9 / 19	148 / 141	124 / 152	4.17 to 6.38	6.39 to 8.50 OR 8.51 to 10.47 OR 10.48 to 12.01	116.1	12.5 x 2	449 (510)	4.6 (5.2)

Figures in parenthesis are data for geared trolley

\*Minimum allowed radius for 0.25/0.50 Ton trolley on a 2.17-2.40 in. beam = 51.2 in.



TCEP500P



TCEG6000P2

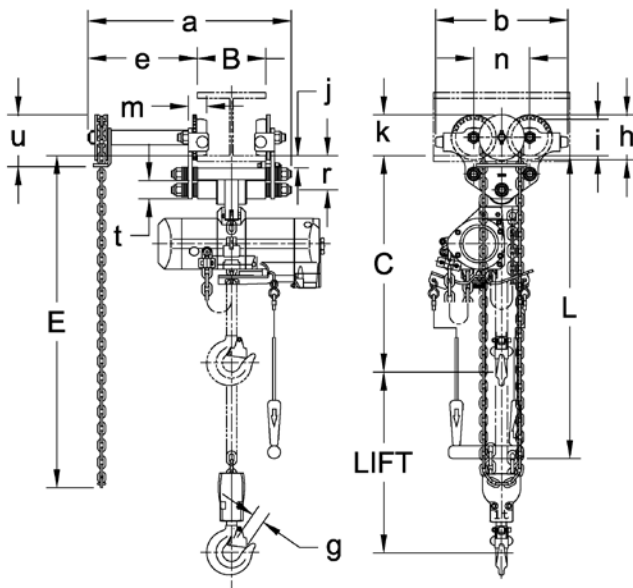
## TCE Ex Certified Spark Resistant\* Air Powered Hoists with Air Powered, Push and Geared Trolleys

### CORD MODEL WITH PUSH OR GEARED TROLLEY—SPECIFICATIONS

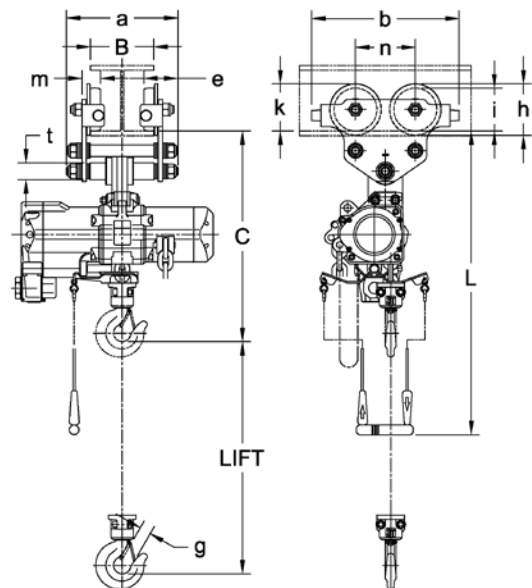
Cap. (Tons)	Product Code	Standard Lift (ft)	Cord L (ft)	Up/Down Speeds (ft/min @ 90 psi)		Up/Down Air Consumption Rates (cubic ft/min @ 90 psi)		Flange Width Adjustability B (in)		Minimum* Allow. Radius for Curve (in)	Load Chain Diameter (mm) x Chain Fall Lines	Net Weight (lbs)	Weight for Additional One Foot of Lift (lbs)
				No Load	Full Load	No Load	Full Load	Standard	Optional				
1/4	TCEP(TCEG)250C-IIB	10	7.3	207 / 125	112 / 207	78 / 67	64 / 74	2.17 to 4.13	4.14 to 6.10 OR 6.11 to 8.07 OR 8.08 to 10.04	41.3	6.3 x 1	62 (72)	0.6 (1.2)
1/2	TCEP(TCEG)500C-IIB			108 / 62	56 / 112	74 / 64	60 / 71				6.3 x 1	62 (72)	0.6 (1.2)
1	TCEP(TCEG)1000C2-IIB			54 / 31	28 / 56	74 / 64	60 / 71	2.91 to 5.28	5.29 to 7.48 OR 7.49 to 9.84 OR 9.85 to 12.01	55.1	6.3 x 2	87 (96)	1.2 (1.8)
3	TCEP(TCEG)3000C-IIB			37 / 23	18 / 38	148 / 141	124 / 152	4.17 to 6.38	6.39 to 8.50 OR 8.51 to 10.47 OR 10.48 to 12.01	86.6	12.5 x 1	318 (330)	2.3 (2.9)
6	TCEP(TCEG)6000C2-IIB			18 / 12	9 / 19	148 / 141	124 / 152	4.17 to 6.38	6.39 to 8.50 OR 8.51 to 10.47 OR 10.48 to 12.01	116.1	12.5 x 2	449 (510)	4.6 (5.2)

Figures in parenthesis are data for geared trolley

\*Minimum allowed radius for 0.25/0.50 Ton trolley on a 2.17-2.40 in. beam = 51.2 in.



TCEG1000C2

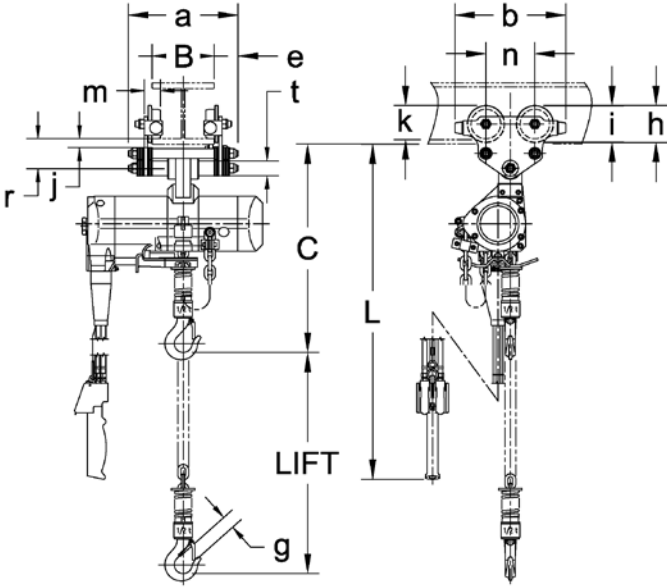


TCEP3000C

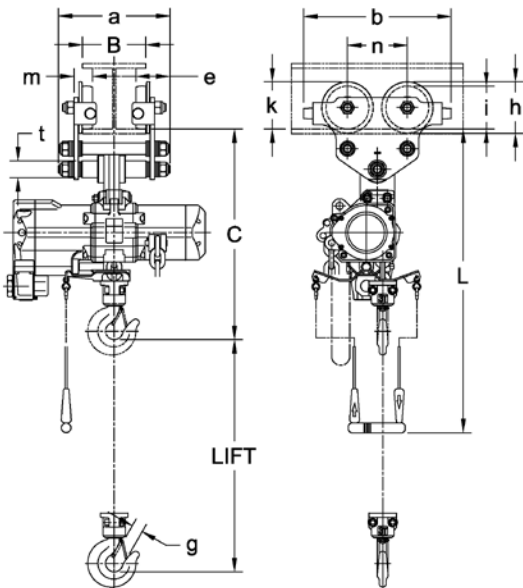
\*See page 62 for ATEX Directive

PENDANT AND CORD MODEL WITH PUSH TROLLEY—DIMENSIONS

Cap. (Tons)	Product Code	Headroom C (in)	a (in)	b (in)	e (in)	g (in)	h (in)	i (in)	j (in)	k (in)	m (in)	n (in)	r (in)	t (in)
1/4	TCEP250C/P-IIB	17.1	8.8	8.8	2.6	1.0	3.0	2.4	0.7	2.7	1.3	3.9	2.4	1.2
1/2	TCEP500C/P-IIB	17.1	8.8	8.8	2.6	1.0	3.0	2.4	0.7	2.7	1.3	3.9	2.4	1.2
1	TCEP1000C2/P2-IIB	18.2	10.6	11.4	3.0	1.1	3.9	3.1	1.0	3.5	1.6	4.8	3.0	1.6
3	TCEP3000C/P-IIB	24.2	12.8	16.9	3.9	1.3	5.9	4.9	1.4	5.4	2.1	6.9	4.6	2.0
6	TCEP6000C2/P2-IIB	33.0	14.5	19.9	5.1	1.7	7.4	6.3	1.5	6.9	2.8	8.7	5.7	2.6



TCEP500P

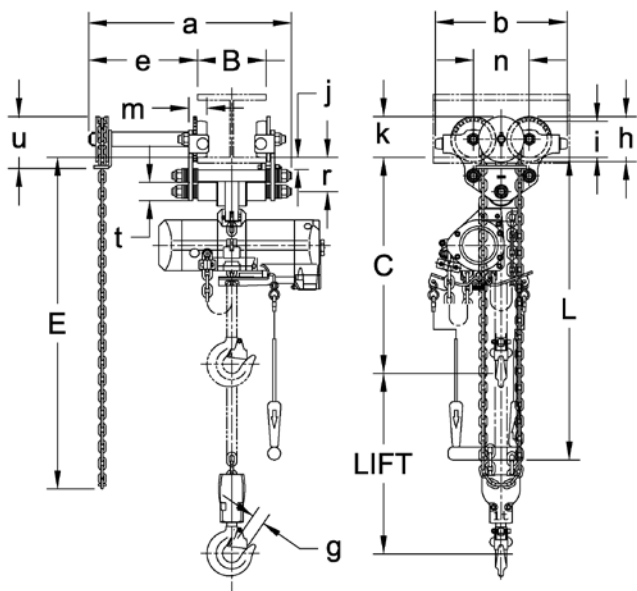


TCEP3000C

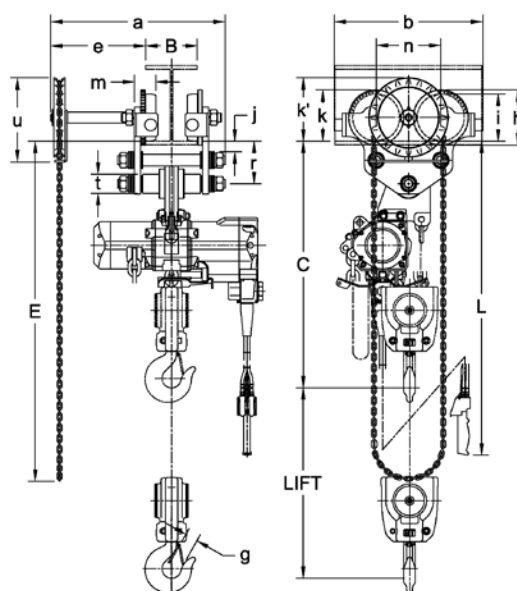
## TCE Ex Certified Spark Resistant\* Air Powered Hoists with Air Powered, Push and Geared Trolleys

### PENDANT AND CORD MODEL WITH GEARED TROLLEY—DIMENSIONS

Cap. (Tons)	Product Code	Headroom C (in)	E (ft)	a (in)	b (in)	e (in)	g (in)	h (in)	i (in)	j (in)	k (in)	k' (in)	m (in)	n (in)	r (in)	t (in)	u (in)
1/4	TCEG250C/P-IIB	17.1	8.5	16.3	8.8	9.8	1.0	3.0	2.4	0.7	2.7	3.2	1.3	3.9	2.3	1.2	4.5
1/2	TCEG500C/P-IIB	17.1	8.5	16.3	8.8	9.8	1.0	3.0	2.4	0.7	2.7	3.2	1.3	3.9	2.3	1.2	4.5
1	TCEG1000C2/P2-IIB	18.2	8.5	17.4	11.4	9.4	1.1	3.9	3.1	1.0	3.5	3.5	1.6	4.8	3.0	1.6	4.5
3	TCEG3000C/P-IIB	24.2	8.5	22.6	16.9	13.0	1.3	5.9	4.9	1.4	5.4	5.4	2.1	6.9	4.6	2.0	5.9
6	TCEG6000C2/P2-IIB	33.0	8.5	23.2	19.9	12.8	1.7	7.4	6.3	1.5	8.5	8.5	2.8	8.7	5.7	2.6	11.3



TCEG1000C2



TCEG6000P2

\*See page 62 for ATEX Directive

## TCW Lube Free Wash Down Air Powered Hoists with Pendant and Cord Controls and Hook Suspension

Harrington's TCW Lube Free Series Wash Down Air Hoists are designed for use in humid, limited corrosive or outdoor environments and where equipment must be washed or hosed off on a regular basis. These industrial, severe duty rated hoists are perfect for food processing, food handling and pharmaceutical industries.

### Features and Benefits

### Standard Hoist Specifications

<p><b>Unlimited Duty Cycle</b> For continuous operation</p> <p><b>Unpainted Compact &amp; Lightweight Body</b> Cast aluminum body allows for easy operation, transportation and storage</p> <p><b>Stainless Steel and Bright Chromate Coated Components</b> For protection from wet or humid environments</p> <p><b>Zinc-Plated Load Hooks</b> For corrosion resistance</p> <p><b>Spring-Loaded Multi-Vane Motor Design</b> Permits very fine feathering control</p> <p><b>Extremely Fast Lifting</b> For applications where speed is critical</p> <p><b>Low Noise Levels</b> Adds to operator comfort</p> <p><b>Nickel-Plated Load Chain</b> Resistant to corrosion, abrasion and wear</p> <p><b>Lubrication Free</b> For applications where a clean environment is needed</p> <p><b>External Speed Adjustment Screw</b> No tools required to set specific speeds</p> <p><b>Adjustable Lifting and Lowering Speeds</b> Increases production capabilities</p> <p><b>Heavy-duty Disc Motor Brake System</b> For reliable load support</p>	<p><b>Capacity Range</b> 1/2 – 1 Ton</p> <p><b>Standard Lift</b> 10' (longer lifts available)</p> <p><b>Standard Pendant or Cord Length</b> Hangs approximately 4' above the hoist's fully extended bottom hook (longer lengths available)</p> <p><b>Air Supply Requirement</b> 60 – 90 psi</p> <p><b>Air Filtration</b> Maximum 5 micron air filter or finer required</p> <p><b>Air Inlet Port</b> 1/2" NPT</p> <p><b>Air Supply Hose Minimum Size</b> 1/2"</p> <p><b>Temperature Range</b> +14° – 140°F</p> <p><b>Chain Containers</b> Optional Canvas or Steel</p>
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**TCW Lube Free Wash Down Air Powered Hoists  
with Pendant and Cord Controls  
and Hook Suspension**



TCW1000P2

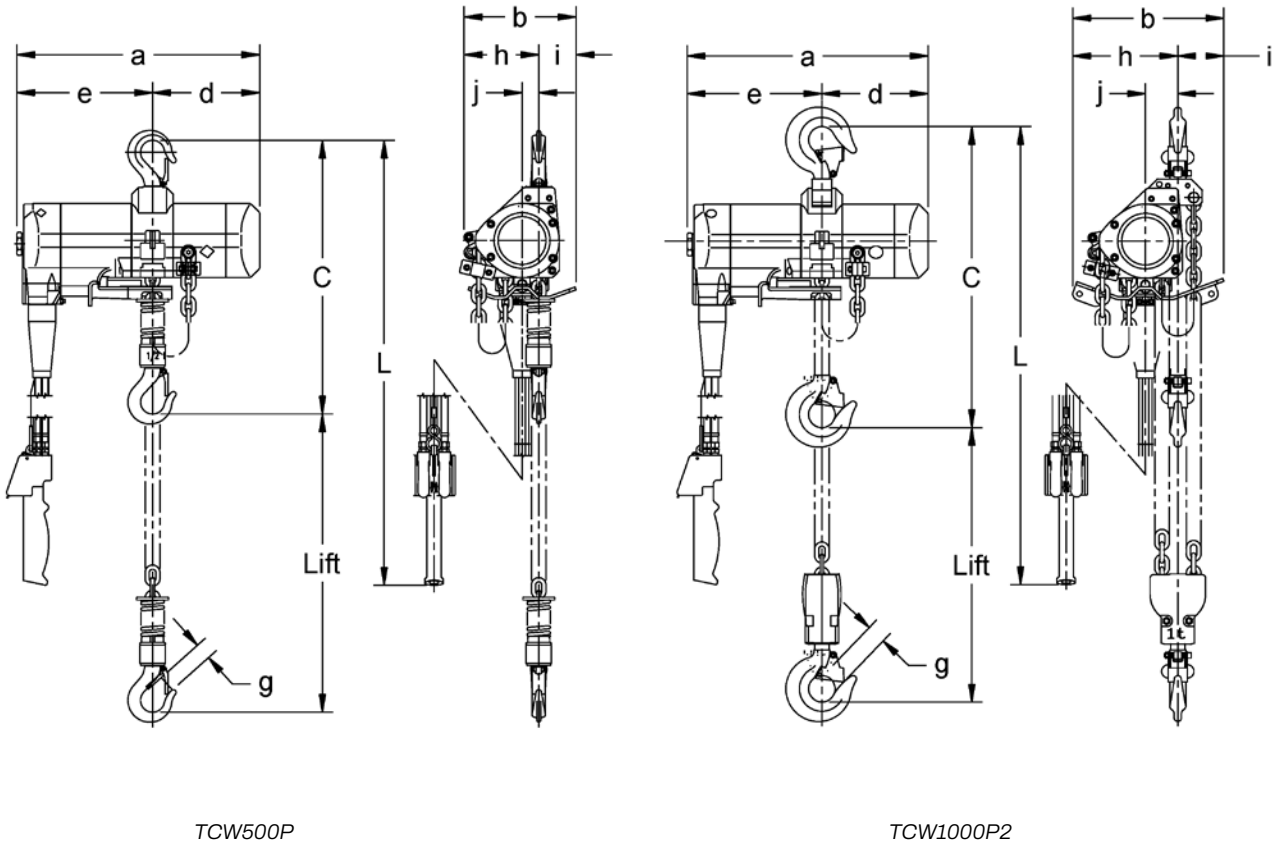


PENDANT MODEL—SPECIFICATIONS

Cap. (Tons)	Product Code	Standard Lift (ft)	Push Button Hose L (ft)	Up/Down Speeds (ft/min @ 90 psi)		Up/Down Air Consumption Rates (cubic ft/min @ 90 psi)		Load Chain Diameter (mm) x Chain Fall Lines	Net Weight (lbs)	Weight for Additional One Foot of Lift (lbs)
				No Load	Full Load	No Load	Full Load			
1/2	TCW500P	10	8.2	79 / 53	43 / 79	64 / 57	57 / 64	6.3 x 1	46	0.6
1	TCW1000P2			39 / 26	21 / 39	64 / 57	57 / 64	6.3 x 2	60	1.2

PENDANT MODEL—DIMENSIONS

Cap. (Tons)	Product Code	Headroom C (in)	a (in)	b (in)	d (in)	e (in)	g (in)	h (in)	i (in)	j (in)
1/2	TCW500P	16.3	14.4	8.7	6.4	8.0	1.0	5.3	3.3	1.0
1	TCW1000P2	18.0	14.4	9.0	6.4	8.0	1.1	6.3	2.7	1.9



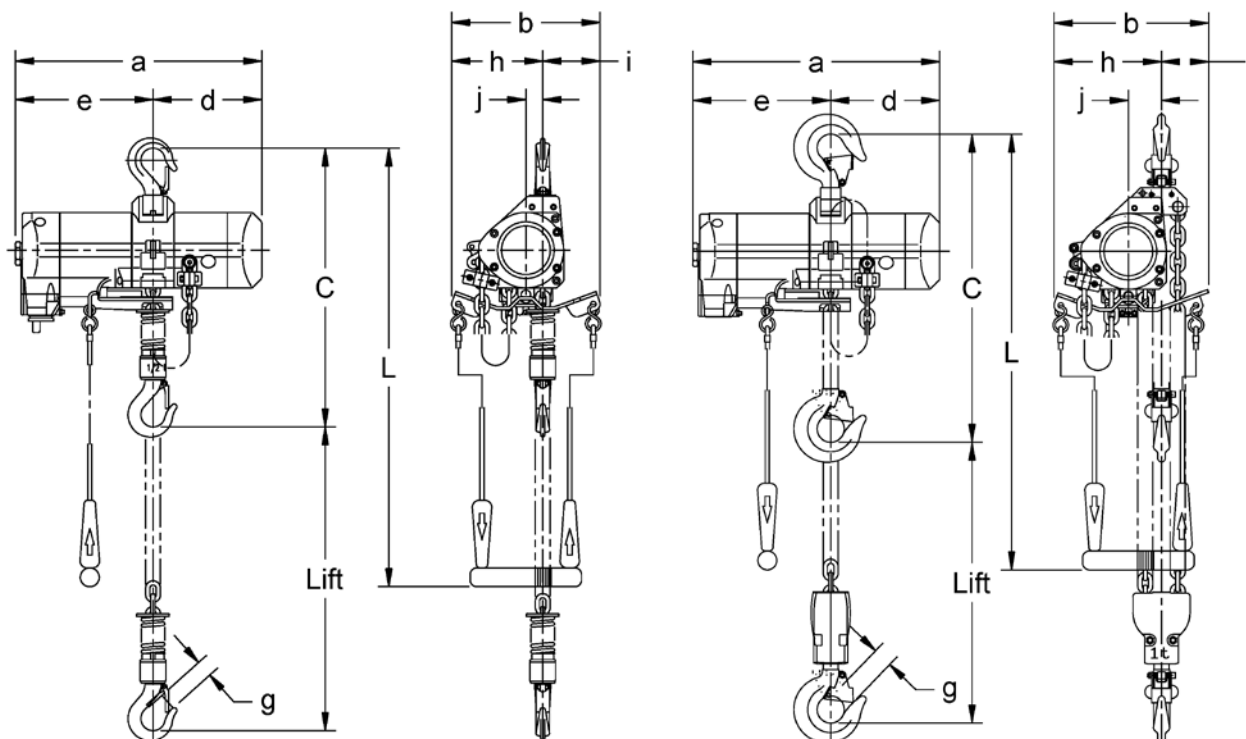
## TCW Lube Free Wash Down Air Powered Hoists with Pendant and Cord Controls and Hook Suspension

### CORD MODEL—SPECIFICATIONS

Cap. (Tons)	Product Code	Standard Lift (ft)	Cord L (ft)	Up/Down Speeds (ft/min @ 90 psi)		Up/Down Air Consumption Rates (cubic ft/min @ 90 psi)		Load Chain Diameter (mm) x Chain Fall Lines	Net Weight (lbs)	Weight for Additional One Foot of Lift (lbs)
				No Load	Full Load	No Load	Full Load			
1/2	TCW500C	10	7.3	79 / 53	43 / 79	64 / 57	57 / 64	6.3 x 1	44	0.6
1	TCW1000C2			39 / 26	21 / 39	64 / 57	57 / 64	6.3 x 2	58	1.2

### CORD MODEL—DIMENSIONS

Cap. (Tons)	Product Code	Headroom C (in)	a (in)	b (in)	d (in)	e (in)	g (in)	h (in)	i (in)	j (in)
1/2	TCW500C	16.3	14.4	8.7	6.4	8.0	1.0	5.3	3.3	1.0
1	TCW1000C2	18.0	14.4	9.0	6.4	8.0	1.1	6.3	2.7	1.9



TCW500C

TCW1000C2

## AH Mini-Cat Air Powered Hoists with Pendant and Cord Controls and Hook Suspension

The AH Mini-Cat Series of air hoists was designed with exceptionally low headroom and will easily handle many construction, assembly line and workstation applications.

### Features and Benefits

#### Unlimited Duty Cycle

For continuous operation

#### Extremely Compact & Lightweight Body

Allows for easy operation,  
transportation and storage

#### Airtight Hoist

Results in efficient use of air

#### High Speed Lifting

Maximum speed gets jobs done quickly

#### Vane Motor Design

Permits very fine feathering control

#### Aluminum Valve Section

Reduces effects of corrosion

#### Low Noise Levels

Adds to operator comfort

#### Disc Motor Brake System

For reliable load support

#### Nickel Plated Load Chain

Resistant to corrosion, abrasion and wear

### Standard Hoist Specifications

#### Capacity Range

250 – 500 lb.

#### Standard Lift

10'  
(longer lifts available)

#### Standard Pendant or Cord Length

Hangs approximately 4' above the  
hoist's fully extended bottom hook  
(longer lengths available)

#### Air Supply Requirement

19 – 34 cfm at 60 – 90 psi

#### Air Lubrication Requirement

Minimum 10 to 15 drops of oil  
per minute (0.2 – 0.3 cc/min.)

#### Air Filtration

Maximum 5 micron air filter or finer required

#### Air Inlet Port

3/8" NPT

#### Air Supply Hose Minimum Size

3/8"

#### Operating Conditions

Temperature range +14° to 140°F  
Humidity 85% or less

#### Chain Containers

Optional  
Plastic

**AH Mini-Cat Air Powered Hoists  
with Pendant and Cord Controls  
and Hook Suspension**



AH500P



AH500C

PENDANT MODEL—SPECIFICATIONS

Capacity (lbs)	Product Code	Headroom (in)	Standard Lift (ft)	Load Chain Dia. (mm) x Chain Fall Lines	Net Weight with Standard Lift (lbs)	Weight for Additional One Foot of Lift (lbs)
250	AH250P	12.0	10	4 x 1	19	0.49
500	AH500P	12.0	10	4 x 1	19	0.49

Speeds — ft/min at 90 psi:

Capacity (lbs)	Product Code	Up		Down	
		Full Load	No Load	Full Load	No Load
250	AH250P	42 (33)	55 (48)	48 (45)	43 (38)
500	AH500P	29 (18)	55 (48)	53 (51)	43 (38)

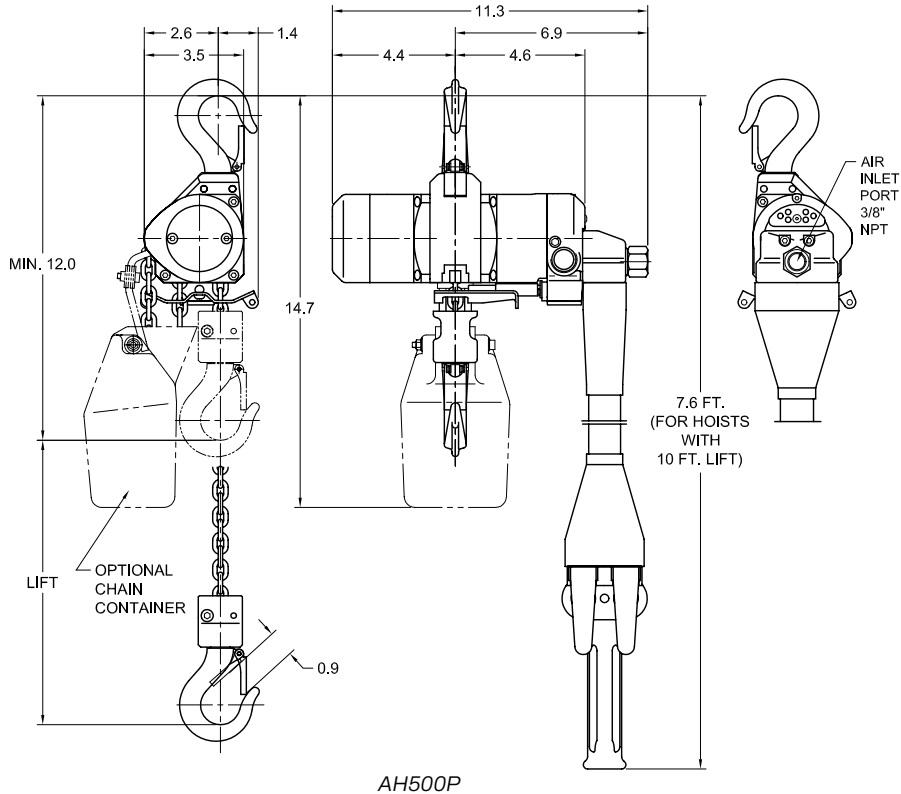
Air Consumption — cfm at 90 psi:

Capacity (lbs)	Product Code	Up		Down	
		Full Load	No Load	Full Load	No Load
250	AH250P	28 (21)	31 (24)	27 (21)	26 (20)
500	AH500P	26 (19)	31 (24)	28 (22)	26 (20)

Values in parentheses for air supply at 60 psi.

PENDANT MODEL—DIMENSIONS

Measurements in inches



## AH Mini-Cat Air Powered Hoists with Pendant and Cord Controls and Hook Suspension

### CORD MODEL—SPECIFICATIONS

Capacity (lbs)	Product Code	Headroom (in)	Standard Lift (ft)	Load Chain Dia. (mm) x Chain Fall Lines	Net Weight with Standard Lift (lbs)	Weight for Additional One Foot of Lift (lbs)
250	AH250C	12.0	10	4 x 1	15	0.26
500	AH500C	12.0	10	4 x 1	15	0.26

Speeds — ft/min at 90 psi:

Capacity (lbs)	Product Code	Up		Down	
		Full Load	No Load	Full Load	No Load
250	AH250C	47 (37)	61 (53)	51 (47)	45 (40)
500	AH500C	32 (20)	61 (53)	56 (54)	45 (40)

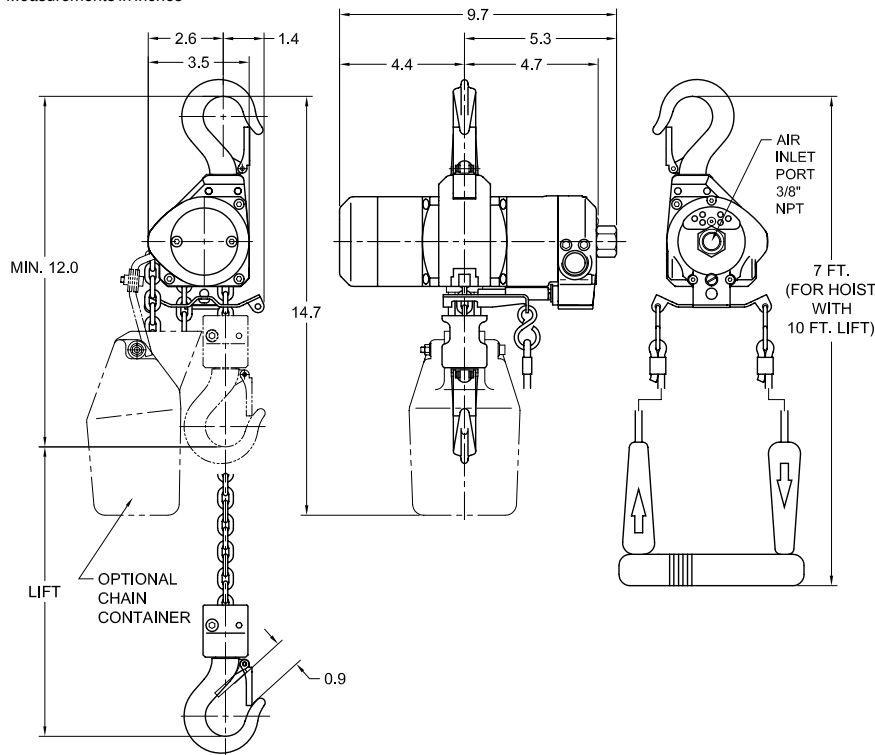
Air Consumption — cfm at 90 psi:

Capacity (lbs)	Product Code	Up		Down	
		Full Load	No Load	Full Load	No Load
250	AH250C	32 (24)	34 (27)	30 (24)	28 (23)
500	AH500C	29 (21)	34 (27)	32 (26)	28 (23)

Values in parentheses for air supply at 60 psi.

### CORD MODEL—DIMENSIONS

Measurements in inches



AH500C

## AH Mini-Cat Air Powered Hoists with Manipulator Control and Hook Suspension

Harrington's AH Mini-Cat Series air hoists also offer a unique ergonomic manipulator control feature designed to support the special repetitive working practices of assembly line and workstation areas in a wide variety of industries.

*Refer to page 51 for standard hoist specifications.*

### Unique Features and Benefits

#### Manipulator Control

Unique one-handed control replaces standard pendant or cord.

This design is adjustable for either left- or right-handed operation.

Permits the operator to have a free hand to easily position the load.

### Unique Hoist Specifications

#### Standard Lengths

6.5' Lift — 9' reach (approx.)  
13' lift — 17' reach (approx.)  
(reach equals lift plus headroom)

#### Chain Containers

Standard  
Plastic



AH500M



## AH Mini-Cat Air Powered Hoists with Manipulator Control and Hook Suspension

### MANIPULATOR MODEL—SPECIFICATIONS

Capacity (lbs)	Product Code	Headroom (in)	Standard Lift (ft)	Load Chain Dia. (mm) x Chain Fall Lines	Net Weight with Standard Lift (lbs)	Weight for Additional One Foot of Lift (lbs)
250	AH250M	33.0	6.5	4 x 1	24	0.47
500	AH500M	33.0	6.5	4 x 1	24	0.47

Speeds — ft/min at 90 psi:

Capacity (lbs)	Product Code	Up		Down	
		Full Load	No Load	Full Load	No Load
250	AH250M	41 (32)	54 (47)	47 (44)	42 (37)
500	AH500M	29 (18)	54 (47)	53 (50)	42 (37)

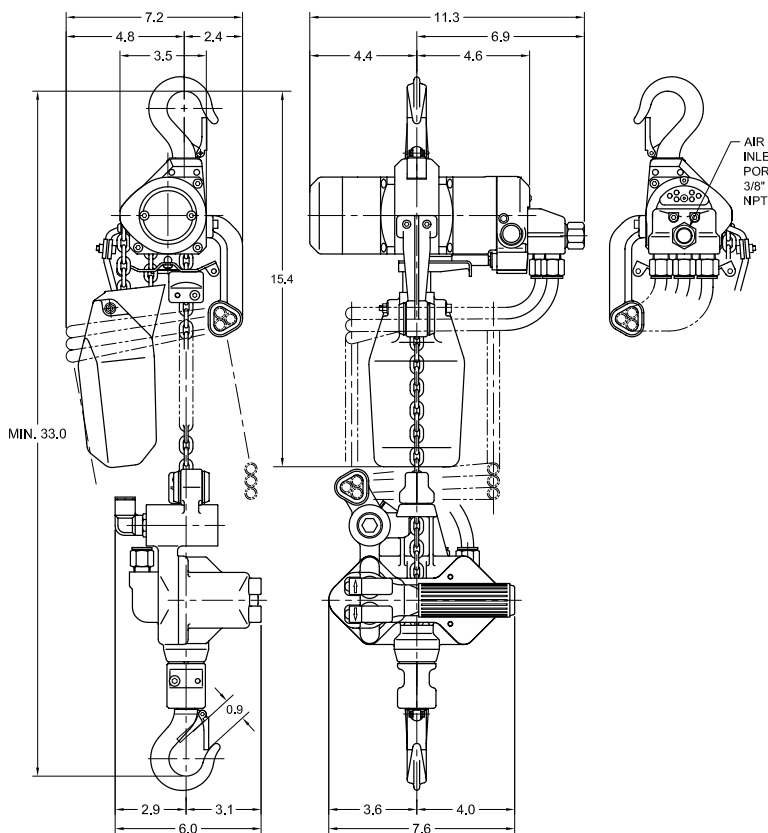
Air Consumption — cfm at 90 psi:

Capacity (lbs)	Product Code	Up		Down	
		Full Load	No Load	Full Load	No Load
250	AH250M	28 (21)	31 (24)	27 (21)	26 (20)
500	AH500M	26 (19)	31 (24)	28 (22)	26 (20)

Values in parentheses for air supply at 60 psi.

### MANIPULATOR MODEL—DIMENSIONS

Measurements in inches



AH500M



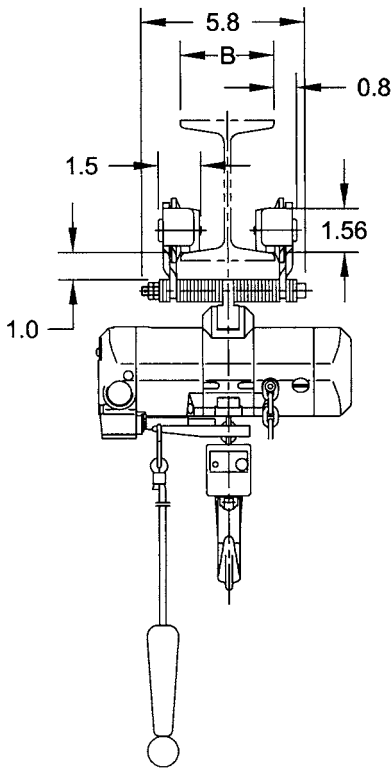
# AH Mini-Cat Air Powered Hoists with Lug Suspension

MINI TROLLEY—SPECIFICATIONS					
Maximum Capacity (lbs)	Product Code	Adjustable Beam Width B (in)	Minimum* Radius for Curve (in)	Net Weight (lbs)	Approximate Shipping Weight (lbs)
525	ET525	1.97 – 3.94	23.6	4.0	5.0

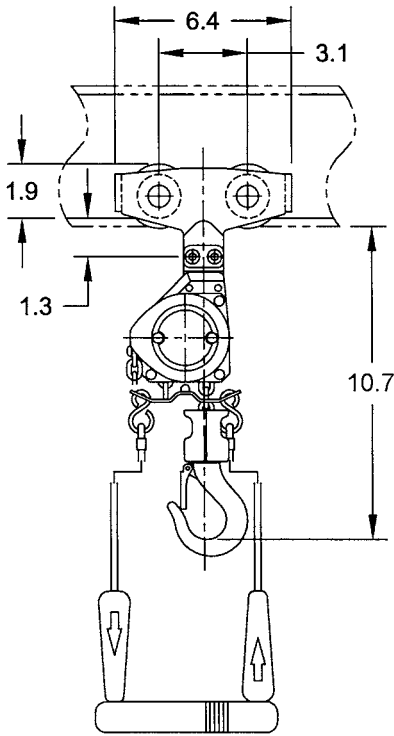
Lug mount only.  
\*For larger flanges, hook mount AH air hoists to PTF2/GTF2 1/2 or 1 Ton trolleys.



MINI TROLLEY—DIMENSIONS	
Measurements in inches Dimensions for pendant and cord controls are identical.	



AH500C



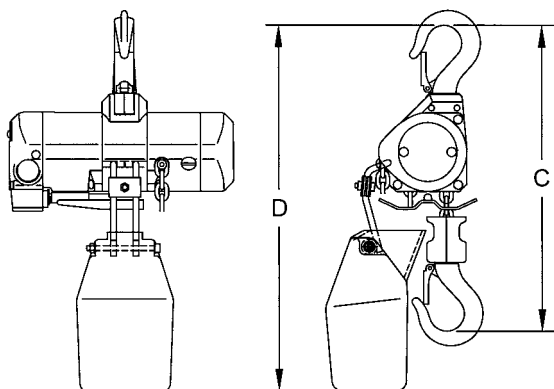
AH500C

## AH Mini-Cat Air Powered Hoists with Options

### HOISTS WITH PLASTIC CHAIN CONTAINERS—DIMENSIONS

Hoist Product Code	Max. Lift (ft)	Container Headroom D (in)	Hoist Headroom C (in)
AH250C/P	10	14.7	12.0
AH500C/P	20	16.1	

Chain containers are easily installed.



AH with Chain Container

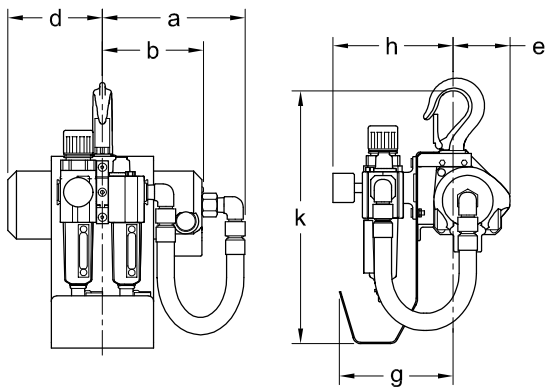
### HOISTS WITH L, FL AND FRL—DIMENSIONS

Cap. (lbs)	Product Code	a (in)		b (in)	d (in)	e (in)	g (in)	h (in)		k (in)
		C	P & M					L & FL	FRL	
250	AH250C/P/M	6.6	8.2	4.7	4.4	2.6	5.3	4.2	5.5	11.7
500	AH500C/P/M	6.6	8.2	4.7	4.4	2.6	5.3	4.2	5.5	11.7

L = Lubricator

FL = Filter and Lubricator

FRL = Filter, Regulator and Lubricator



AH with L, FL and FRL

## Technical Data

### TCR TOP AND BOTTOM HOOK—DIMENSIONS

Product Code	a (in)	b (in)	c (in)	d (in)	e (in)	f (in)	g (in)	h (in)
TCR250C/P	1.4	0.9	1.1	0.9	1.6	1.6	1.1	4.2
TCR500C/P	1.4	0.9	1.1	0.9	1.6	1.6	1.1	4.2
TCR1000C2/P2	1.4	0.9	1.1	0.9	1.6	1.6	1.1	4.2
TCR1000C/P	1.4	0.9	1.1	0.9	1.6	1.6	1.1	4.2
TCR2000C2/P2	1.8	1.2	1.5	1.2	1.8	2.0	1.1	4.9

### TCR CHAIN—DIMENSIONS

Product Code	a (in)	b (in)	d (in)	p (in)
TCR250C/P	0.31	0.87	0.25	0.75
TCR500C/P				
TCR1000C2/P2				
TCR1000C/P	0.35	0.98	0.28	0.83
TCR2000C2/P2				

### TCK TOP AND BOTTOM HOOK—DIMENSIONS

Product Code	a (in)	b (in)	c (in)	d (in)	e (in)	f (in)	g (in)	h (in)
TCK3000C/P	2.1	1.5	1.8	1.3	2.0	2.4	1.3	5.9
TCK6000C2/P2	2.3	1.6	1.9	1.6	2.6	2.8	1.7	6.8

### TCK CHAIN—DIMENSIONS

Product Code	a (in)	b (in)	d (in)	p (in)
TCK3000C/P	0.62	1.73	0.49	1.50
TCK6000C2/P2				

### TCS TOP AND BOTTOM HOOK—DIMENSIONS

Product Code	a (in)	b (in)	c (in)	d (in)	e (in)	f (in)	g (in)	h (in)
TCS250C/P	0.6	0.8	0.6	0.8	1.4	1.3	1.0	2.9
TCS500C/P	0.6	0.8	0.6	0.8	1.4	1.3	1.0	2.9
TCS1000C2/P2	1.4	0.9	1.1	0.9	1.6	1.6	1.1	4.2

### TCS CHAIN—DIMENSIONS

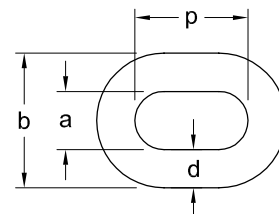
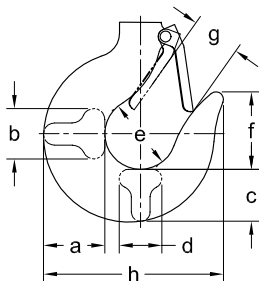
Product Code	a (in)	b (in)	d (in)	p (in)
TCS250C/P	0.31	0.87	0.25	0.75
TCS500C/P				
TCS1000C2/P2				

### TCL TOP AND BOTTOM HOOK—DIMENSIONS

Product Code	a (in)	b (in)	c (in)	d (in)	e (in)	f (in)	g (in)	h (in)
TCL250C/P	0.6	0.8	0.6	0.8	1.4	1.3	1.0	2.9
TCL500C/P	0.6	0.8	0.6	0.8	1.4	1.3	1.0	2.9
TCL1000C2/P2	1.4	0.9	1.1	0.9	1.6	1.6	1.1	4.2
TCL3000C/P	2.1	1.5	1.8	1.3	2.0	2.4	1.3	5.9
TCL6000C2/P2	2.3	1.6	1.9	1.6	2.6	2.8	1.7	6.8

### TCL CHAIN—DIMENSIONS

Product Code	a (in)	b (in)	d (in)	p (in)
TCL250C/P	0.31	0.87	0.25	0.75
TCL500C/P				
TCL1000C2/P2				
TCL3000C/P	0.62	1.73	0.49	1.50
TCL6000C2/P2				



## Technical Data

### TCE TOP AND BOTTOM HOOK—DIMENSIONS

Product Code	a (in)	b (in)	c (in)	d (in)	e (in)	f (in)	g (in)	h (in)
TCE250C/P-IIB	0.6	0.8	0.6	0.8	1.4	1.3	1.0	2.9
TCE500C/P-IIB	0.6	0.8	0.6	0.8	1.4	1.3	1.0	2.9
TCE1000C/P-IIB	1.4	0.9	1.1	0.9	1.6	1.6	1.1	4.2
TCE3000C/P-IIB	2.0	1.5	1.8	1.3	2.0	2.4	1.3	5.9
TCE6000C2/P2-IIB	2.3	1.6	1.9	1.6	2.6	2.8	1.7	6.8

### TCE CHAIN—DIMENSIONS

Product Code	a (in)	b (in)	d (in)	p (in)
TCE250C/P	0.31	0.87	0.25	0.75
TCE500C/P				
TCE1000C2/P2				
TCE3000C/P	0.62	1.73	0.49	1.50
TCE6000C2/P2				

### TCW TOP AND BOTTOM HOOK—DIMENSIONS

Product Code	a (in)	b (in)	c (in)	d (in)	e (in)	f (in)	g (in)	h (in)
TCW500C/P	0.6	0.8	0.6	0.8	1.4	1.3	1.0	2.9
TCW1000C/P	1.4	0.9	1.1	0.9	1.6	1.6	1.1	4.2

### TCW CHAIN—DIMENSIONS

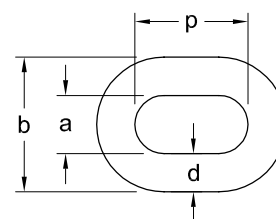
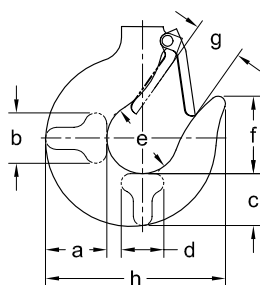
Product Code	a (in)	b (in)	d (in)	p (in)
TCW500C/P	0.31	0.87	0.25	0.75
TCW1000C2/P2				

### AH TOP AND BOTTOM HOOK—DIMENSIONS

Product Code	a (in)	b (in)	c (in)	d (in)	e (in)	f (in)	g (in)	h (in)
AH250C/P/M	0.7	0.8	0.6	0.8	1.4	1.3	0.9	2.9
AH500C/P/M	0.7	0.8	0.6	0.8	1.4	1.3	0.9	2.9

### AH CHAIN—DIMENSIONS

Product Code	a (in)	b (in)	d (in)	p (in)
AH250C/P/M	0.20	0.53	0.16	0.48
AH500C/P/M				



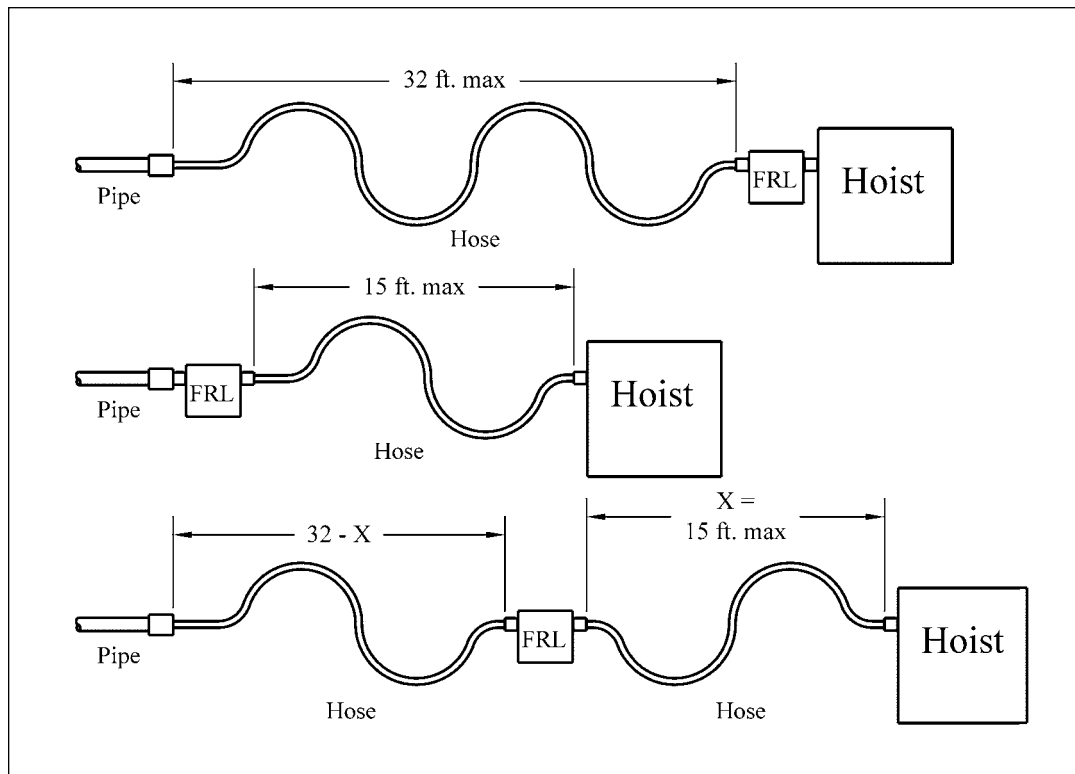
## Technical Data

### TYPICAL ARRANGEMENTS OF FRL AND AIR SUPPLY HOSE LENGTHS

The connection from the air supply system piping to the hoist must be made with a flexible pressure hose. Due to normal losses in air supply lines:

- Do not use hose smaller than specified.
- Limit the length of the hose to that specified below.

If your application exceeds these requirements, consult Customer Service.



FRL = Filter, Regulator and Lubricator

### BULLARD® AND SHUR-LOC® HOOKS

These hooks offer a positive locking latch feature. Consult Customer Service for full details.



Bullard®



Shur-Loc®

## Technical Data

Hoists intended for use in potentially explosive atmospheres require measures to reduce the risk of explosions. Requirements for such measures come from the European Directive 2014/34/EU. These requirements are commonly referred to as the ATEX Directive (ATEX is from the French ATmospheres EXplosibles).

Requirements for non-electric equipment are provided in the following standards under mandate by the European Commission and the European Free Trade Association. These standards provide a means to comply with the ATEX Directive.

- BS EN ISO 80079-36: *Non-Electric Equipment for Explosive Atmospheres – Basic Method and Requirements.*
- BS EN ISO 80079-37: *Non-electrical equipment for explosive atmospheres – Non-electrical type of protection constructional safety “c”, control of ignition sources “b”, liquid immersion “k”.*

These standards supersede the EN 13463 standards, which were withdrawn in 2016.

Non-electric hoists that meet the appropriate requirements of the BS EN ISO 80079 standards and have their TCF filed with a Notified Body satisfy the ATEX Directive and can be used in potentially explosive atmospheres.

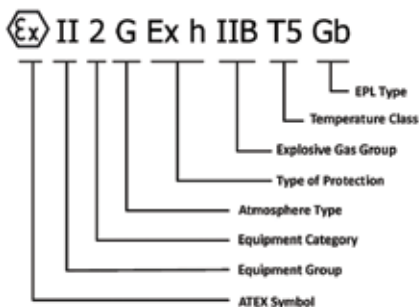
Harrington's ATEX-certified non-electric hoists use the “constructional safety” type of protection. This type of protection includes the use of materials that reduce or eliminate the risk of sparks produced by impact or friction. It provides protection against the possibility of ignition from hot surfaces, sparks and adiabatic compression generated by moving parts. This can generally be considered equivalent to the term “spark-resistant features.”

The ATEX Directive and the BS EN ISO 80079 standards require detailed markings to assure the hoists are used correctly. These markings define the applications, the type and duration of the potentially explosive atmospheres, the type of protection, and the maximum surface temperature.

It is the responsibility of the equipment's owner/operator to ensure the equipment is suitable for the explosive atmosphere in which it will be used. The equipment's GAS and DUST rating can be found on the Nameplate, the accompanying Declaration of Conformity, and within the Owner's Manual. Table 1-1 herein provides an explanation of these ratings and their meaning.

**TABLE 1-1 ATEX RATING EXPLANATION**

### Example (Gas)



### Example (Dust)

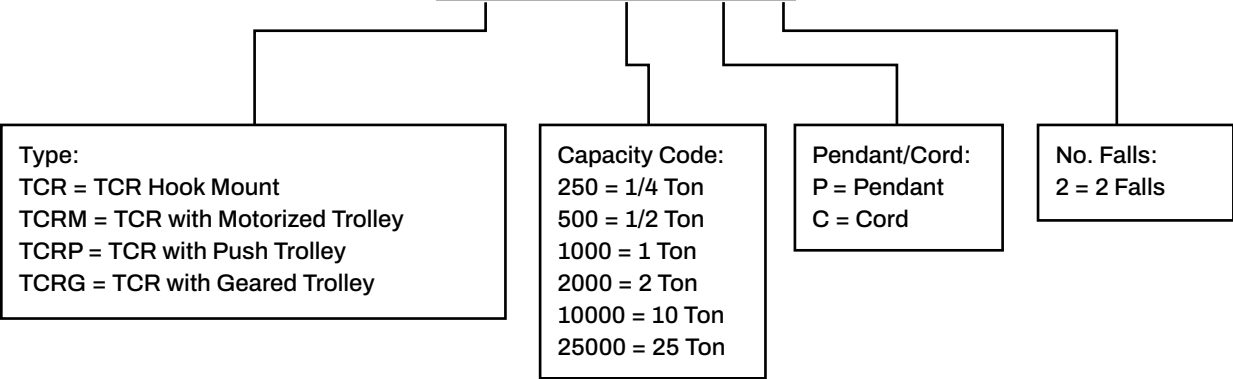


Marking	Definition
ATEX Symbol	Equipment suitable for potentially explosive atmospheres in accordance with the ATEX Directive.
Equipment Group	'I' means suitable for use in mines susceptible to firedamp and/or coal dust. 'II' means suitable for non-mine locations that could be endangered by potentially explosive atmospheres.
Equipment Category	'1' means for use in areas where an explosive atmosphere is present continuously, for long periods, or frequently. '2' means for use in areas where an explosive atmosphere is likely to occur in normal operation. '3' means for use in areas where an explosive atmosphere is unlikely to occur in normal operation.
Atmosphere Type	'G' means suitable for Gas. 'D' means suitable for Dust.
Type of Protection	This letter indicates the protection method used. There are several, "Ex h" or "Ex c" indicate constructional safety.
Explosive Gas Atmosphere	Designation that indicates the type of gases, vapors and mists the hoist is suitable for. Designations applicable to Equipment Group II: 'IIA' means atmosphere containing methane, propane, or similar gases. 'IIB' means atmosphere containing ethylene or similar gases. IIB includes IIA gases. 'IIC' means atmospheres containing hydrogen, acetylene, or similar gases. IIC includes IIB/IIA gases.
Temperature Class	Designation that indicates the maximum surface temperature the hoist will have during normal operation. There are several designations. T5 = 100°C; T4 = 135°C
Explosive Dust Atmosphere	Designation that indicates the type of dusts. Designations applicable to Equipment Group III: 'IIIA' means suitable for combustible flyings. 'IIIB' means suitable for combustible flyings and non-conductive dust. IIIB includes IIIA dusts. 'IIIC' means suitable for combustible flyings, non-conductive dust and conductive dust. IIIC includes IIIB/IIIA dusts.
Maximum Surface Temperature	The maximum surface temperature the hoist will have during normal operation.
EPL Type	Where the ignition hazard assessment confirms that the equipment does not contain any effective ignition sources during normal operation and expected malfunctions.

Product Code

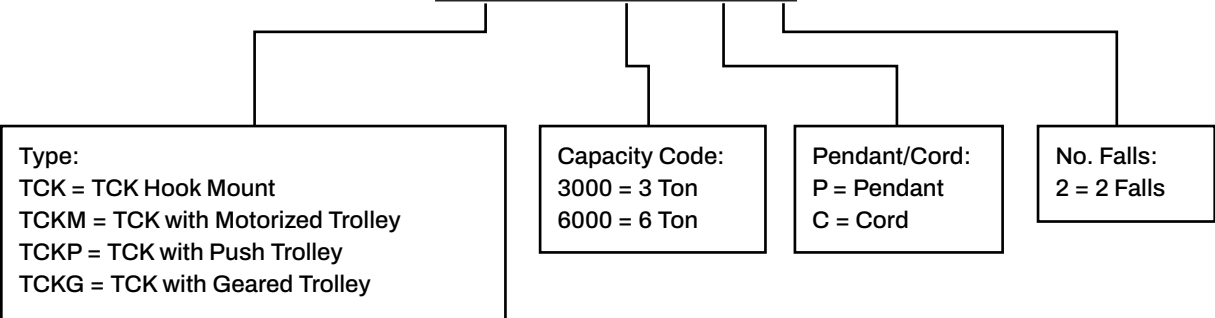
TCR SERIES

TCR 1000 P 2



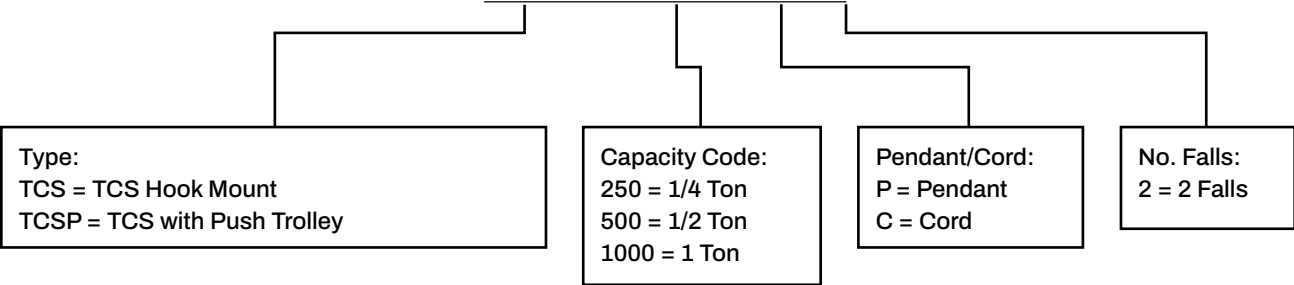
TCK SERIES

TCK 6000 P 2



TCS CHEETAH SERIES

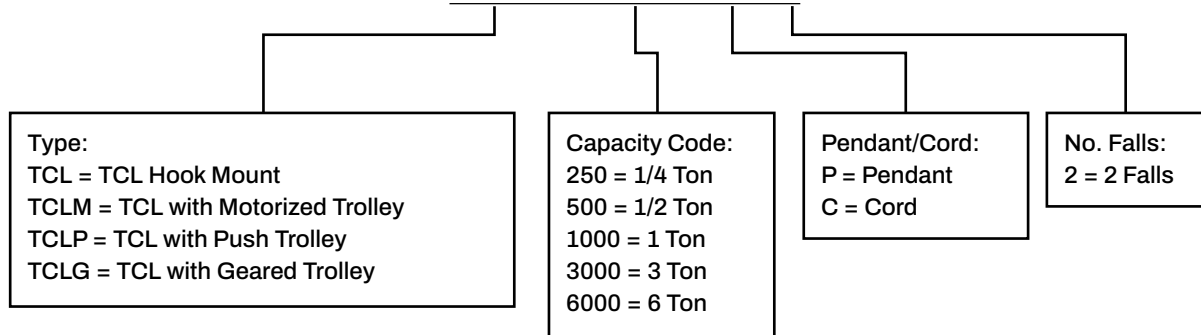
TCS 1000 P 2



## Product Code

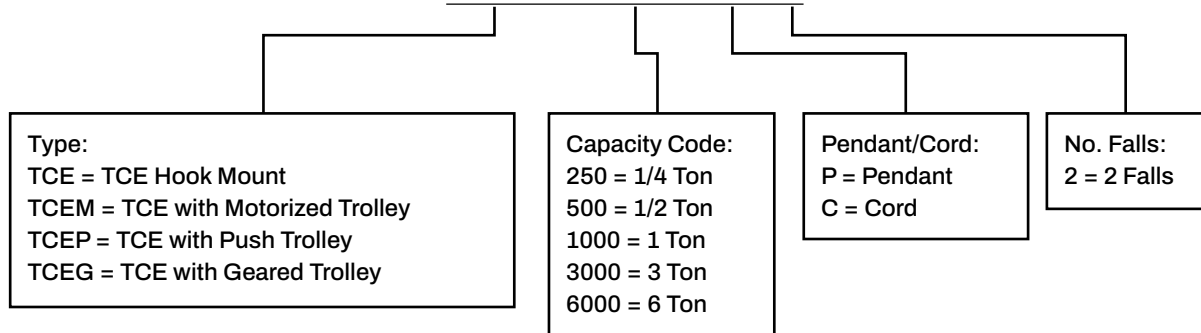
### TCL LUBE FREE SERIES

#### TCL 1000 P 2



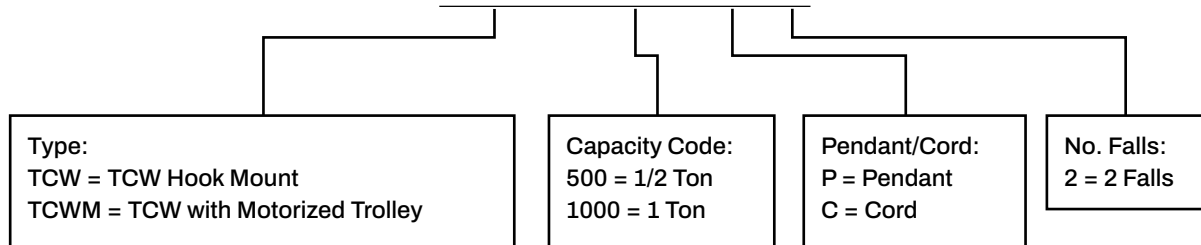
### TCE SERIES

#### TCE 1000 P 2



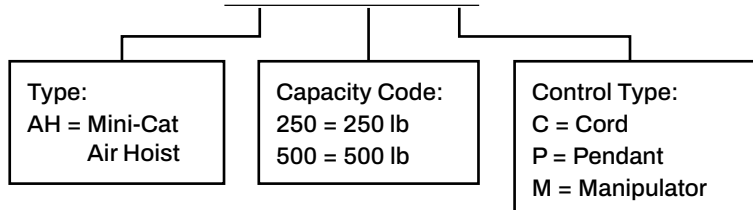
### TCW SERIES

#### TCW 1000 P 2



### AH MINI-CAT SERIES

#### AH 500 C

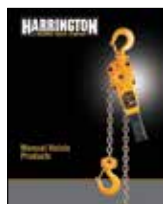




**Notes**

## Complete Product Offering

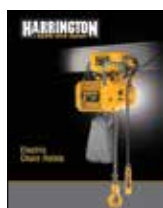
Over the years Harrington has continued to respond to the needs of our customers by further expanding our product offerings. In addition to the many models described in this catalog, our full series of product catalogs, as shown below, will provide you with all of the information you will need to answer questions, specify a product and place an order. For catalog copies or answers to specific product questions, please contact our Customer Service Department by calling 800-233-3010 or e-mail [customerservice@harringtonhoists.com](mailto:customerservice@harringtonhoists.com)



### Manual Hoist Products Catalog

Refer to this Harrington catalog for detailed information on the following:

- Lever hoists
- Hand chain hoists
- Hoist and trolley combinations
- Low headroom trolley hoists
- Push and geared trolleys
- Hoist load testers



### Electric Chain Hoists Catalog

Refer to this Harrington catalog for detailed information on the following:

- Three phase electric hoists and trolleys
- Single phase electric hoists and trolleys
- Ergonomic electric hoists



### Electric Wire Rope Hoists Catalog

Refer to this Harrington catalog for detailed information on the following:

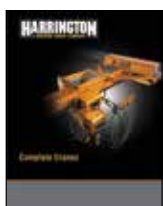
- Ultra-low headroom trolley hoists



### Crane Components Catalog

Refer to this Harrington catalog for detailed information on the following:

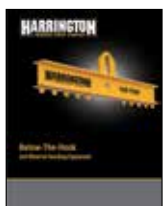
- End trucks-top running-motorized, geared and push
- End trucks-underhung-motorized, geared and push
- Double girder MAX-E-Lift end trucks
- Convertible push end trucks
- Beam accessory kits



### Complete Cranes Catalog

Refer to this Harrington catalog for detailed information on the following:

- Heavy-duty Class C single girder top running and underhung cranes
- Heavy-duty Class C double girder top running and underhung cranes
- Medium-duty top running and underhung push cranes
- Crane control panels



### Below-The-Hook and Material Handling Equipment

Refer to this Harrington catalog for detailed information on the following:

- Lifting beams and spreader beams
- Roll lifters, coil lifters and tongs
- Sheet lifters and pallet lifters
- Fork truck accessories
- Material stands and material baskets

## Warranty

Buyer must notify HHI in writing within sixty (60) days of discovery of any alleged defect, if within the applicable warranty period.

All products sold by HHI are warranted to be free from defects in material and workmanship from date of shipment by HHI for the following periods:

**1 year – Electric and Air Powered Hoists (excluding (N)ER2 Hoists and EQ/SEQ Hoists), Powered Trolleys, Powered Tiger Track Jibs and Gantries, Crane Components, Below the Hook Devices, Spare/Replacement Parts**

**2 years – Manual Hoists & Trolleys, Beam Clamps**

**3 years – (N)ER2 Hoists, EQ/SEQ Hoists, (T)EM/(T)SEM hoists, and RY Hoists**

**5 years – Manual Tiger Track Jibs and Gantries, Hoist Motor Brakes for EQ/SEQ, (T)EM/(T)SEM, and RY**

**10 years – (N)ER2 Brake, TNER Hoist Motor Brake, Tiger Track Workstation Cranes, and Monorails**

The product must be used in accordance with manufacturer's recommendations and must not have been subject to abuse, lack of maintenance, misuse, negligence, or unauthorized repairs or alterations.

Should any defect in material or workmanship occur during the above time period in any product, as determined by HHI's inspection of the product, HHI agrees, at its discretion, either to replace (not including installation) or repair the part or product free of charge. For customers in the U.S., delivery shall be made F.O.B. HHI's place of business. For international customers, delivery shall be made FCA HHI place of business, United States of America (Incoterms 2010).

No warranty claim will be honored without a valid proof of purchase. Customer must obtain a Return Goods Authorization as directed by HHI or its published repair center prior to shipping product for warranty evaluation. An explanation of the complaint must accompany the product. Product must be returned freight prepaid. Upon repair, the product will be covered for the remainder of the original warranty period. Replacement parts installed after the original warranty period will only be eligible for replacement (not including installation) for a period of one year from the installation date. If it is determined there is no defect, or that the defect resulted from causes not within the scope of HHI's warranty, the customer will be responsible for the costs of returning the product.

HHI DISCLAIMS ANY AND ALL OTHER WARRANTIES OF ANY KIND, EXPRESSED OR IMPLIED, AS TO THE PRODUCT'S MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. HHI WILL NOT BE LIABLE FOR DEATH, INJURIES TO PERSONS OR PROPERTY OR FOR INCIDENTAL, CONTINGENT, SPECIAL OR CONSEQUENTIAL DAMAGES, LOSS OR EXPENSE ARISING IN CONNECTION WITH THE USE OR MISUSE OF THE PRODUCTS, REGARDLESS OF WHETHER THE DAMAGE, LOSS OR EXPENSE RESULTS FROM ANY ACT OR FAILURE TO ACT BY HHI, WHETHER NEGLIGENT OR WILLFUL, OR FROM ANY OTHER CAUSE.



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