

# TCR SERIES

## 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.



# TCR SERIES

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## CAPACITY

- ¼ to 25 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

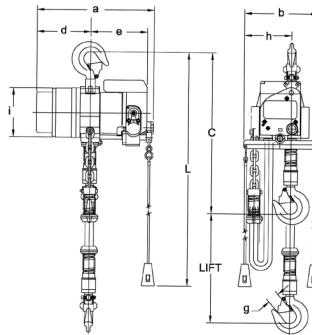
## MOTOR

- 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

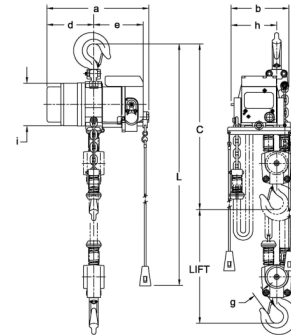
## OVERLOAD PROTECTION

- 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

# TCR | CORD CONTROL HOOK MOUNT



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



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

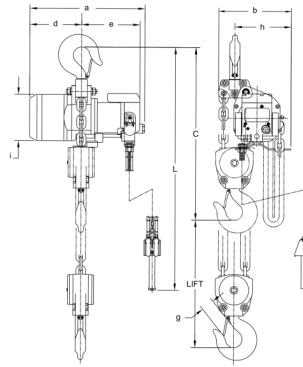
## DIMENSIONS

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
3	TCR3000C	22.2	449	226	203	228	33	48	180
6	TCR6000C2	26.5	449	282	203	228	43	63.5	180

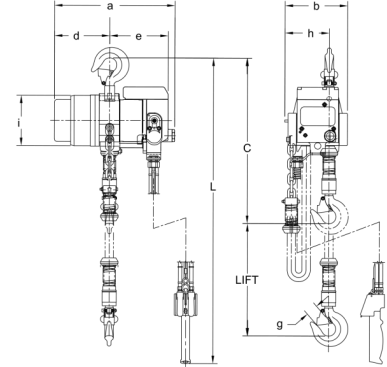
## SPECIFICATIONS

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
3	TCR3000C	10	6	17/10	9/13	90/64	67/71	11.2 x 1	150	11
6	TCR6000C2	10	6	8/5	5/7	90/64	67/71	11.2 x 2	196	22

# TCR | PENDANT CONTROL HOOK MOUNT



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



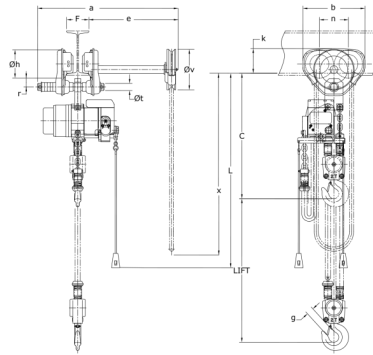
Hook Mount Single Fall (pendant control); \*For informational purposes only, contact KITO for dimensional drawing

## DIMENSIONS

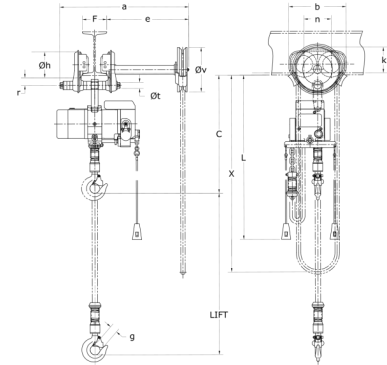
Capacity (tonne)	Model	C (in.)	a	b	d	e	g	h	i
1/4	TCR250P	12	287	101	111	175	23	71	79
1/2	TCR500P	18.2	340	175	175	167	28	124	117
1	TCR1000P2	20.4	340	185	185	167	28	150	117
1	TCR1000P	18.3	340	175	175	167	28	150	142
2	TCR2000P2	21.8	340	193	193	167	28	152	142
3	TCR3000P	22.2	449	226	226	228	28	48	180
6	TCR6000P2	26.5	449	282	282	228	43	63	180

## SPECIFICATIONS

Capacity (tonne)	Model	Standard Lift (ft)	Push Button L (ft)	Up/Down Speeds (90 psi - ft/min)		Up/Down Air Consumption Rates (cubic ft/min @ 90 psi)		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	TCR250P	10	6	55/41	27/54	32/25	25/28	4 x 1	19	4
1/2	TCR500P	10	6	62/43	33/53	60/49	49/57	6.3 x 1	68	4
1	TCR1000P2	10	6	31/21	16/26	60/49	49/57	6.3 x 2	78	8
1	TCR1000P	10	6	34/21	19/30	60/53	49/60	7.1 x 1	75	5
2	TCR2000P2	10	6	17/10	10/15	60/53	49/60	7.1 x 2	88	10
3	TCR3000P	10	6	17/10	9/13	88/64	67/71	11.2 x 1	152	11
6	TCR6000P2	10	6	8/5	5/7	88/64	67/71	11.2 x 2	198	22



Geared Trolley Mount Dual Fall (cord control); \*For informational purposes only, contact KITO for dimensional drawing



Geared Trolley Mount Single Fall (cord control); \*For informational purposes only, contact KITO for dimensional drawing

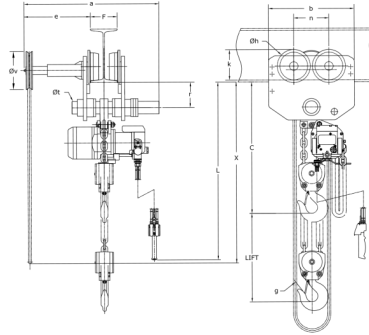
## DIMENSIONS

Capacity (tonne)	Model	C (in.)	F	a	b	e	g	h	k	n	r	t	v	X(ft)
1/4	TCRG250C	19	2-4	531	236	338	28	81	76	112	51	22	183	10
1/2	TCRG500C	19	2-4	531	236	338	28	81	76	112	51	22	183	10
1	TCRG1000C2	21.3	2.3-5	531	236	338	28	106	94	112	51	25	183	10
1	TCRG1000C	19.2	2.3-5	531	236	338	28	106	94	112	51	25	183	10
2	TCRG2000C2	21.9	3.3-6	630	280	338	28	127	112	132	61	32	183	10
3	TCRG3000C	21.6	3.3-6	630	325	403	33	147	134	152	68	36	183	10
6	TCRG6000C2	29	6-8.6	630	480	178	43	185	170	195	152	70	213	10

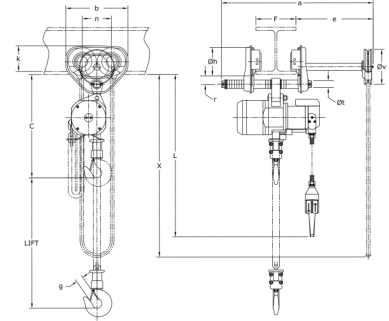
## SPECIFICATIONS

Capacity (tonne)	Model	Standard Lift (ft)	Cord L (ft)	Speed (ft/min @ 90 psi) Up/Down		Rates (Cubic ft/min @ 90 psi) 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	TCRG250C	10	6	55/41	27/54	32/25	25/28	4 x 1	96	6
1/2	TCRG500C	10	6	62/43	33/53	60/49	49/57	6.3 x 1	96	6
1	TCRG1000C2	10	6	31/21	16/26	60/49	49/57	6.3 x 2	108	9
1	TCRG1000C	10	6	34/21	19/30	60/53	49/60	7.1 x 1	105	7
2	TCRG2000C2	10	6	17/10	10/15	60/53	49/60	7.1 x 2	130	10.5
3	TCRG3000C	10	6	17/10	9/13	88/64	67/71	11.2 x 1	207	13
6	TCRG6000C2	10	6	8/5	5/7	88/64	67/71	11.2 x 2	444	23

# TCR | PENDANT CONTROL GEARED TROLLEY MOUNT



**Geared Trolley Mount Dual fall (pendant control); \*For informational purposes only, contact KITO for dimensional drawing**



**Geared Trolley Mount Single fall (pendant control); \*For informational purposes only, contact KITO for dimensional drawing**

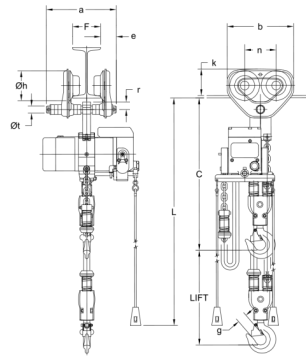
## DIMENSIONS

Capacity (tonne)	Model	C (in.)	F	a	b	e	g	h	k	n	r	t	v	X (ft)
1/4	TCRG250P	19	2-4	531	236	338	28	81	76	112	51	22	183	10
1/2	TCRG500P	19	2-4	531	236	338	28	81	76	112	51	22	183	10
1	TCRG1000P2	21.3	2.3-5	531	236	338	28	107	94	112	51	25	183	10
1	TCRG1000P	19.2	2.3-5	531	236	338	28	107	94	112	51	25	183	10
2	TCRG2000P2	21.9	3.3-6	630	280	338	28	127	112	132	61	32	183	10
3	TCRG3000P	21.6	3.3-6	645	325	404	33	147	134	152	69	36	183	10
6	TCRG6000P2	29	6-8.6	523	480	178	43	185	170	196	152	70	213	10

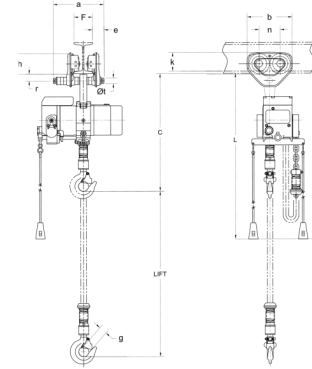
## SPECIFICATIONS

Capacity (tonne)	Model	Standard Lift (ft)	Push Button L (ft)	Up/Down Speeds (90 psi - ft/min)		Up/Down Air Consumption Rates (cubic ft/min @ 90 psi)		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	TCRG250P	10	6	55/41	27/54	32/25	25/28	4 x 1	96	6
1/2	TCRG500P	10	6	62/43	33/53	60/49	49/57	6.3 x 1	96	6
1	TCRG1000P2	10	6	31/21	16/26	60/49	49/57	6.3 x 2	108	9
1	TCRG1000P	10	6	34/21	19/30	60/53	49/60	7.1 x 1	105	7
2	TCRG2000P2	10	6	17/10	10/15	60/53	49/60	7.1 x 2	130	10.5
3	TCRG3000P	10	6	17/10	9/13	88/64	67/71	11.2 x 1	207	13
6	TCRG6000P2	10	6	8/5	5/7	88/64	67/71	11.2 x 2	444	23

# TCR | CORD CONTROL PLAIN TROLLEY MOUNT



Plain Trolley Mount Dual Fall (cord control); \*For informational purposes only, contact KITO for dimensional drawing



Plain Trolley Mount Single Fall (cord control); \*For informational purposes only, contact KITO for dimensional drawing

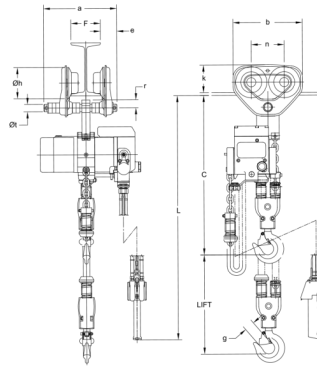
## DIMENSIONS

Capacity (tonne)	Model	C (in.)	F	a	b	e	g	h	k	n	r	t
1/4	TCRP250C	18.6	2-4	203	183	46	28	81	76	84	38	22
1/2	TCRP500C	18.6	2-4	203	183	46	28	81	76	84	38	22
1	TCRP1000C2	21.3	2.3-5	249	236	56	28	107	94	112	51	25
1	TCRP1000C	19.2	2.3-5	249	236	56	28	107	94	112	51	25
2	TCRP2000C2	21.9	3.3-6	300	280	68	28	127	112	132	61	32
3	TCRP3000C	21.6	3.3-6	320	325	79	33	147	135	152	68	36
6	TCRP6000C2	29	6-8.6	447	480	104	43	185	170	196	152	70

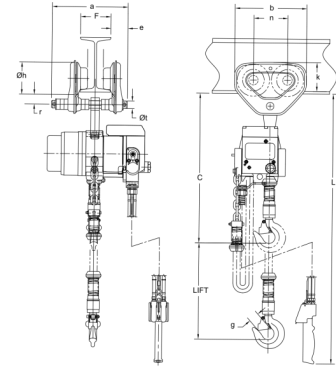
## SPECIFICATIONS

Capacity (tonne)	Model	Standard Lift (ft)	Cord L (ft)	Speed (ft/min @ 90 psi) Up/Down		Rates (Cubic ft/min @ 90 psi) 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	TCRP250C	10	6	61/45	29/57	35/28	28/32	4 x 1	76	4
1/2	TCRP500C	10	6	62/43	33/53	63/49	49/57	6.3 x 1	76	4
1	TCRP1000C2	10	6	31/21	16/26	63/49	49/57	6.3 x 2	94	8
1	TCRP1000C	10	6	34/21	19/30	62/53	49/60	7.1 x 1	91	5
2	TCRP2000C2	10	6	17/10	10/15	62/53	49/60	7.1 x 2	113	10
3	TCRP3000C	10	6	17/10	9/13	90/64	67/71	11.2 x 1	190	11
6	TCRP6000C2	10	6	8/5	5/7	90/64	67/71	11.2 x 2	409	22

# TCR | PENDANT CONTROL PLAIN TROLLEY MOUNT



**Plain Trolley Mount Dual Fall (pendant control); \*For informational purposes only, contact KITO for dimensional drawing**



**Plain Trolley Mount Single Fall (pendant control); \*For informational purposes only, contact KITO for dimensional drawing**

## DIMENSIONS

Capacity (tonne)	Model	Headroom C	F	a	b	e	g	h	k	n	r	t
1/4	TCRP250P	18.6	2-4	203	183	46	28	81	76	84	38	22
1/2	TCRP500P	18.6	2-4	203	183	46	28	81	76	84	38	22
1	TCRP1000P2	21.3	2.3-5	249	236	56	28	106	94	112	51	25
1	TCRP1000P	19.2	2.3-5	249	236	56	28	106	94	112	51	25
2	TCRP2000P2	21.9	3.3-6	300	280	69	28	127	112	132	61	32
3	TCRP3000P	21.6	3.3-6	320	325	79	33	147	134	152	68	36
6	TCRP6000P2	29	6-8.6	447	480	104	43	185	170	196	152	70

## SPECIFICATIONS

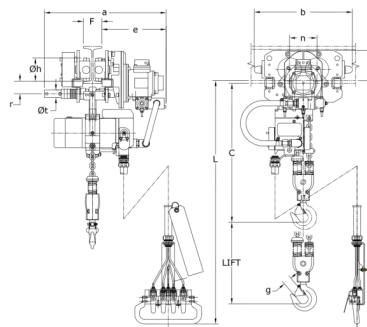
Capacity (tonne)	Model	Standard Lift (ft)	Cord L (ft)	Speed (ft/min @ 90 psi) Up/Down		Rates (Cubic ft/min @ 90 psi) Up/Down Air Consumption		Load Chain Diameter (mm) x Chain Fall Lines	Net Weight (Lbs)	Weight For Additional 5ft of lift (Lbs)
				w/NO Load	w/Full Load	w/NO Load	w/Full Load			
1/4	TCRP250P	10	6	55/41	27/54	32/25	25/28	4 x 1	76	4
1/2	TCRP500P	10	6	62/43	33/53	60/49	49/57	6.3 x 1	76	4
1	TCRP1000P2	10	6	31/21	16/26	60/49	49/57	6.3 x 2	94	8
1	TCRP1000P	10	6	34/21	19/30	60/53	49/60	7.1 x 1	91	5
2	TCRP2000P2	10	6	17/10	10/15	60/53	49/60	7.1 x 2	113	10
3	TCRP3000P	10	6	17/10	9/13	88/64	67/71	11.2 x 1	190	11
6	TCRP6000P2	10	6	8/5	5/7	88/64	67/71	11.2 x 2	409	22



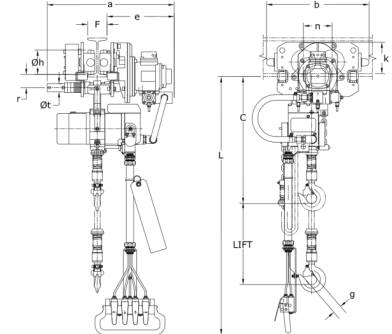
# TCR

PENDANT CONTROL

# PNEUMATIC MOTORIZED TROLLEY MOUNT



**Pneumatic Motorized Trolley Mount  
Dual Fall (pendant control); \*For  
informational purposes only, contact  
KITO for dimensional drawing**



**Pneumatic Motorized Trolley Mount  
Single Fall (pendant control); \*For  
informational purposes only, contact  
KITO for dimensional drawing**

## DIMENSIONS

Capacity (tonne)	Model	C (in.)	F	a	b	e	g	h	k	n	r	t
1/4	TCRM250P	19.3	2.28-5	493	396	262	30	94	122	112	51	30
1/2	TCRM500P	19.3	2.28-5	493	396	262	30	94	122	112	51	30
1	TCRM1000P2	21.5	2.28-5	493	396	262	30	94	122	112	51	30
1	TCRM1000P	19.5	2.28-5	493	396	262	30	94	122	112	51	30
2	TCRM2000P2	23.3	3.94-6	533	442	267	30	124	127	140	71	43
3	TCRM3000P	21.8	3.94-6	533	442	267	33	124	127	140	71	43
6	TCRM6000P2	25.9	4.92-7	604	503	274	43	140	140	155	99	58

## SPECIFICATIONS

Capacity (tonne)	Model	Standard Lift (ft)	Cord L (ft)	Speed (ft/min @ 90 psi) Up/Down		Rates (Cubic ft/min @ 90 psi) Up/Down Consumption			Traversing Speed (ft/min)	Minimum Radius For Curved (mm)	Load Chain Diameter (mm) x Chain Fall Lines	Net Weight (Lbs)	Weight For Additional 5ft of lift (Lbs)
				w/NO Load	w/Full Load	TCR		MCR w/Full Load+NO Load					
				w/NO Load	w/Full Load	w/NO Load	w/Full Load						
1/4	TCRM250P	10	6	68/44	52/51	63/49	48/57	53	65	3500	6.3 x 1	170	3
1/2	TCRM500P	10	6	68/44	37/57	63/49	48/57	53	65	3500	6.3 x 1	170	3
1	TCRM1000P2	10	6	34/22	19/29	63/49	48/57	53	65	3500	6.3 x 2	183	6
1	TCRM1000P	10	6	37/22	21/33	62/53	53/60	53	65	3500	7.1 x 1	209	4
2	TCRM2000P2	10	6	18.5/11	11/16	62/53	53/60	53	65	1300	7.1 x 2	254	7.5
3	TCRM3000P	10	6	18/11	10/15	90/65	71/74	53	65	1300	11.2 x 1	254	10
6	TCRM6000P2	10	6	9/5	5/7	90/65	71/74	53	65	2000	11.2 x 2	364	20

# TCR SERIES

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RELATED PRODUCTS

TCS



TSP



