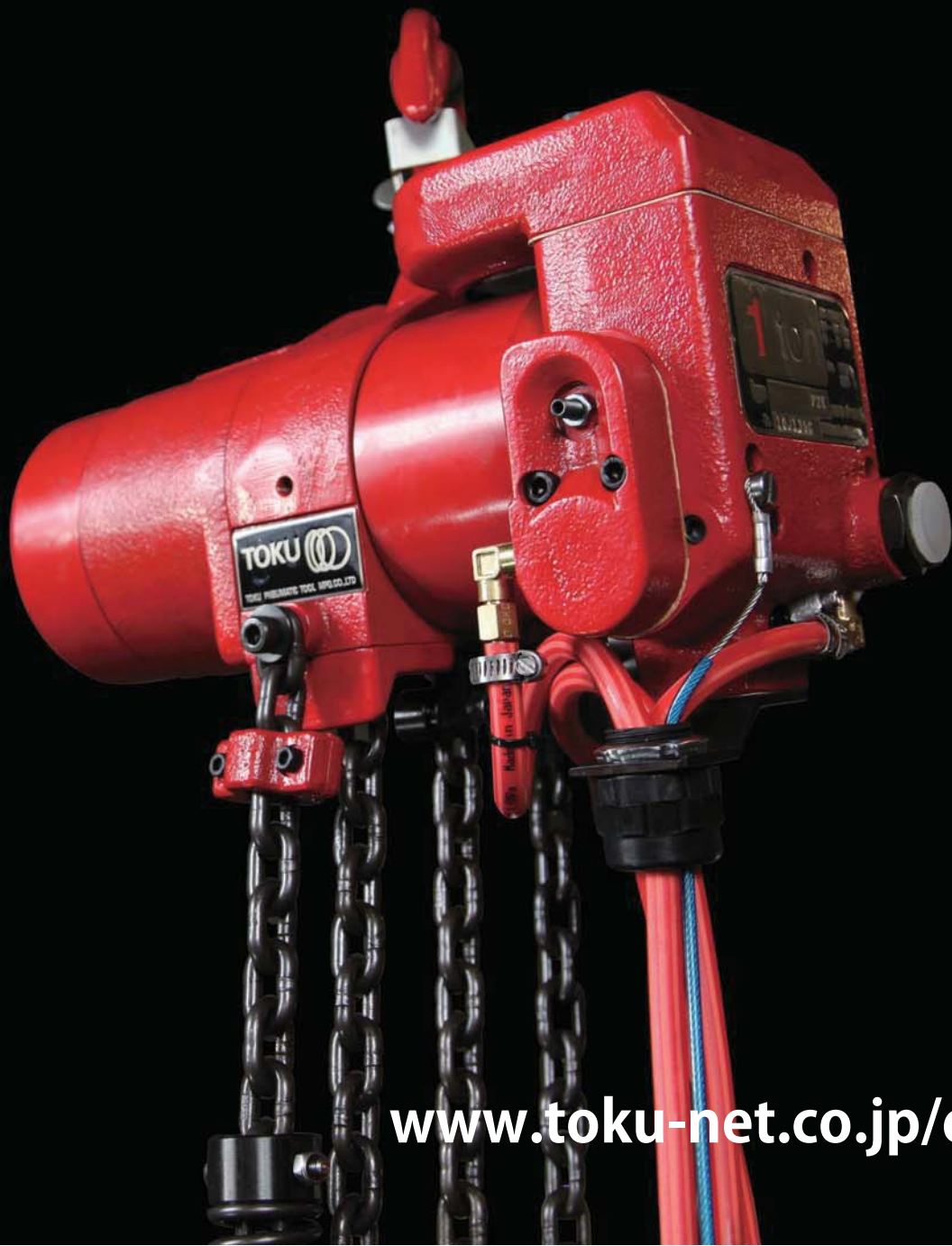




MATERIAL HANDLING

Ver.1.02



www.toku-net.co.jp/en/



TCS HIGH SPEED AIR HOIST SERIES

Features:

High speed Lifting and Lowering

This Air Hoist series possesses the fastest speed in this Lift capacity class.

Adjustable Maximum speed

Maximum speed limit is independently adjustable on both Lifting and Lowering.

Unsurpassed Inching Capabilities

Excellent inching on both Lifting and Lowering movement and full range of variable speed control.

Allows loads to be raised and lowered accurately into position.

Compact & Lightweight

Rugged lightweight aluminum housing.

Light weight and compact designing for ease of movement to different work location.

Very low headroom can enlarge the lengthwise working space.

Extension of the exhaust hose is available (need optional hose and hose nipple.)

Exhaust cover can be detached to attach an extension hose .

Using an extension hose can prevent spraying oil and noise around the work place.

Original valve design

Unique design of the valve prevents air leakage and malfunction caused by rust when not in operation.

Adjustable air pressure in the pendant hose

Controlling the amount of air flow to the pendant hose.

The amount of air flow can be controlled by turning the adjustment screw.

Pilot air pressure decreases when extremely long pendant hose is used.

This is the cause of the main valve not opening properly.

In order to avoid this problem and increase the pilot pressure,

simply turn the screw and minimize the ventilation of the hole.

Automatic Disc Brake

Internal disc brake system, non asbestos, provides instant and positive activation of brake.

Failsafe mechanism ensures load cannot fall as a result of power loss

Over traveling Limit system

Limit system prevents over traveling of hook in case of an emergency the load hook reaches either the highest or lowest points.

Limit system prevents damage to mechanism

Special folding chain basket

Able to package the unit in the box without any major disassembly.

Self Cooling Design

The exhaust is directed over the motor section to keep the unit cool in hot environments.

Load Tested

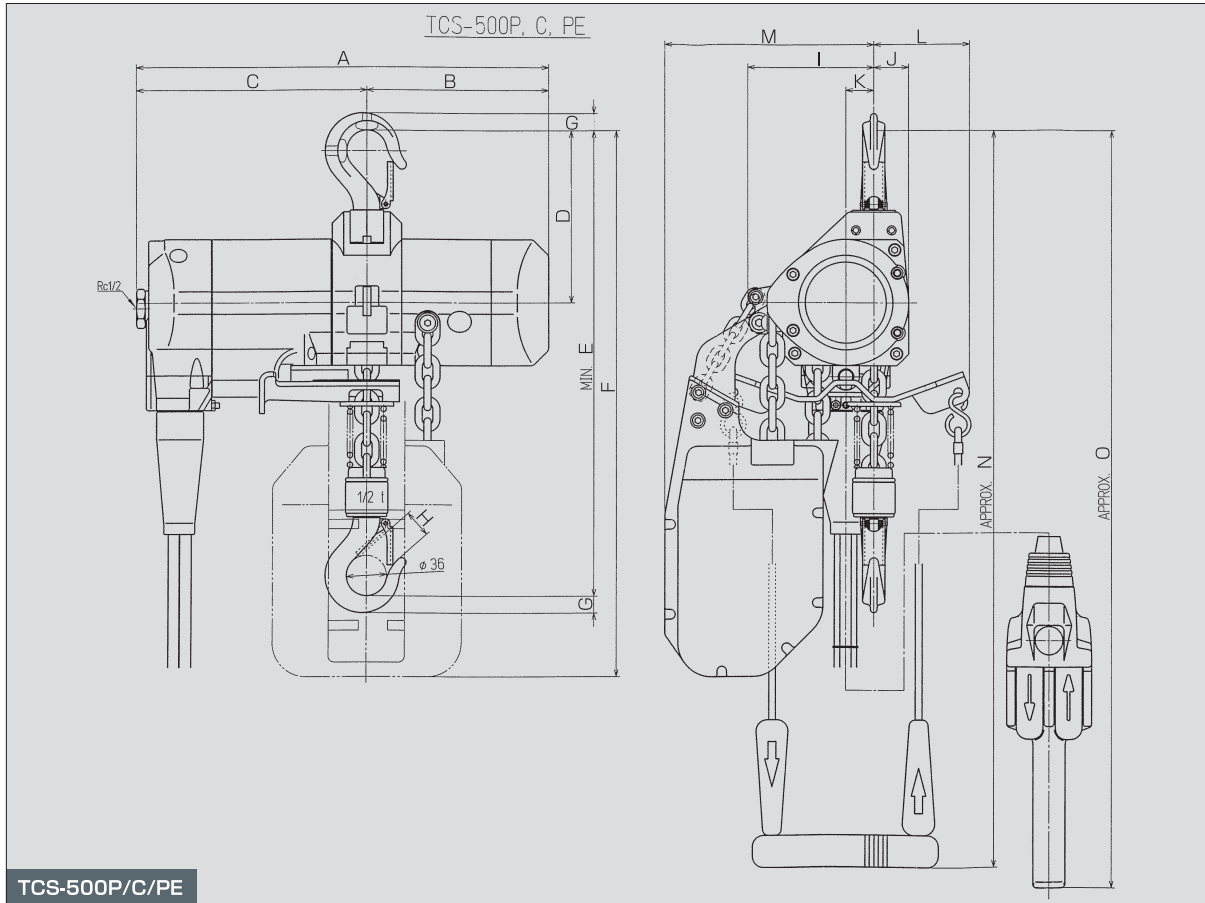
All units tested to 125% of rated capacity before delivery and test.

Certificate provided.



250kg-1000kg lifting capacity

External Dimensions



Dimensions in mm

MODEL	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
TCS-250P	365	161	204	151	414	555	15	25	112	31	25	85	197	-	2480
TCS-250PE	365	161	204	151	414	555	15	25	112	31	25	85	197	-	2480
TCS-250C	365	161	204	151	414	555	15	25	112	31	25	85	197	1700	-
TCS-500P	365	161	204	151	414	555	15	25	112	31	25	85	197	-	2480
TCS-500PE	365	161	204	151	414	555	15	25	112	31	25	85	197	-	2480
TCS-500C	365	161	204	151	414	555	15	25	112	31	25	85	197	1700	-
TCS-1000P	365	161	204	173	456	577	29.5	29	136	37	49	70	221	-	2500
TCS-1000P2E	365	161	204	173	456	577	29.5	29	136	37	49	70	221	-	2500
TCS-1000C	365	161	204	173	456	577	29.5	29	136	37	49	70	221	1720	-

MODEL	Lifting Capacity	No. of Chain Falls	Lifting Speed				Weight		Min Hook Distance	Chain Dimension	Hose Size
			Load (up)	Air Cons	Load (Down)	Air Cons	Weight with 3M lift chain	W/O Chain			
			m/min	m ³ /min	m/min	m ³ /min	Kg	Kg			
TCS-250P/PE	250	1	34.0	1.7	63.0	2.0	19.0	16.0	414	6.3×19	12.7
TCS-250C	250	1	34.0	1.7	63.0	2.0	18.0	15.0	414	6.3×19	12.7
TCS-500P/PE	490	1	17.0	1.7	34.0	2.0	19.0	16.0	414	6.3×19	12.7
TCS-500C	490	1	17.0	1.7	34.0	2.0	18.0	15.0	414	6.3×19	12.7
TCS-1000P2/P2E	990	2	8.5	1.7	17.0	2.0	25.0	19.0	456	6.3×19	12.7
TCS-1000C2	990	2	8.5	1.7	17.0	2.0	24.0	18.0	456	6.3×19	12.7

* Standard Lift for all above models is 3m

* Operating Air pressure is 0.6MPa.



TCR-250 AIR HOIST

Features:

Compact & Lightweight

Rugged lightweight aluminum housing.
Light weight and compact design for ease of movement to different work locations.
Very low headroom expands vertical working space.

Air consumption

All TCR models provide smooth, efficient operation and maximum performance with low air consumption. Operation of unit can be achieved with air pressures as low as 0.4MPa(58psi).

Unsurpassed Inching Capabilities

Excellent inching in both up and down movement and full range of variable speed control.
Ability to raise & lower at speeds down to 1 foot a minute.
Allows loads to be raised and lowered accurately into position.

Automatic Disc Brake

Internal disc brake system, non asbestos, provides instant and positive activation of brake.

Failsafe mechanism ensures load cannot fall as a result of power loss.

Over traveling Limit system

Limit system prevents over traveling of hook in case of an emergency the load hook reaches either the highest or lowest points.
Limit system prevents damage to mechanism

Self Cooling Design

The exhaust is directed over the motor section to keep the unit cool in hot environments.

Load tested

All units tested to 125% of rated capacity before delivery and test certificate provided.



Control type

TCR-250C : Cord control

TCR-250DPE : Direct pendant control with emergency button

TCR-250ME : Manipulator type with emergency button

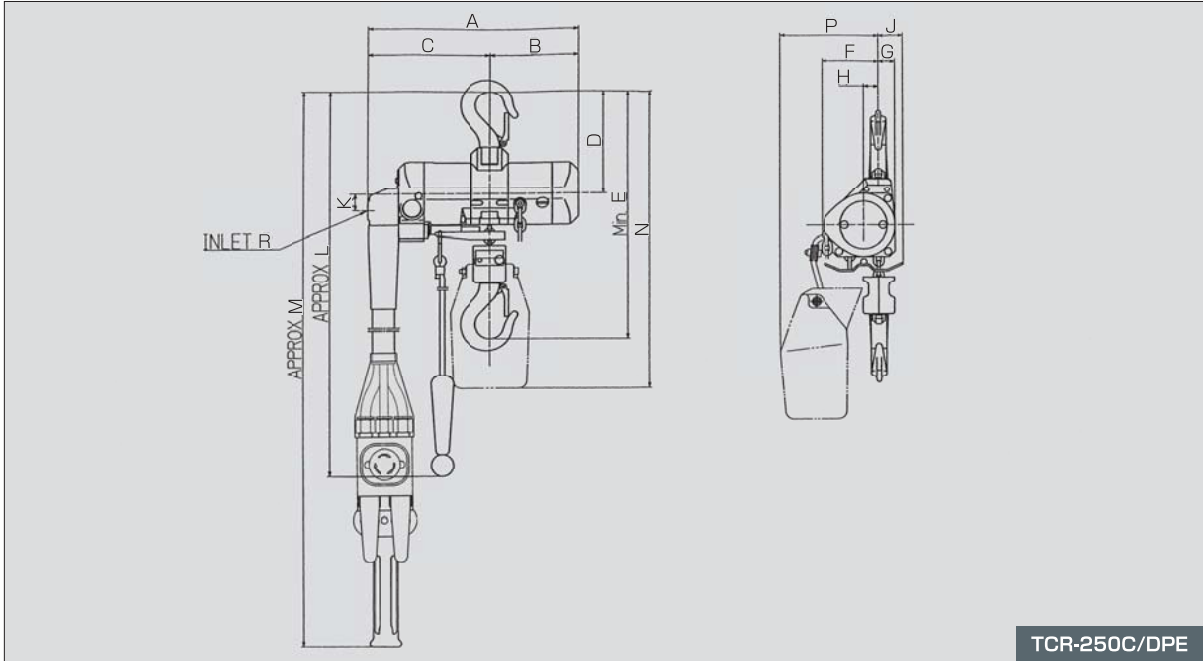
MODEL	Lifting Capacity	No.of Chain Falls	Lifting Speed				Weight		Min Hook Distance	Chain Dimension	Hose Size
			Load (up)	Air Cons	Load (Down)	Air Cons	Weight with 3M lift chain	W/O Chain			
	Kg		m/min	m ³ /min	m/min	m ³ /min	Kg	Kg	mm	mm	mm
TCR-250C	250	1	9	0.8	17.4	0.9	7	5.8	305	4×12	9.5
TCR-250DPE	250	1	8.1	0.7	16.5	0.8	8.6	7.4	305	4×12	9.5
TCR-250ME	250	1	8	0.7	16.5	0.8	11	10	837	4×12	9.5

* Standard Lift for all above models is 3m

* Operating Air pressure is from 0.4MPa to 0.6MPa.

250kg lifting capacity

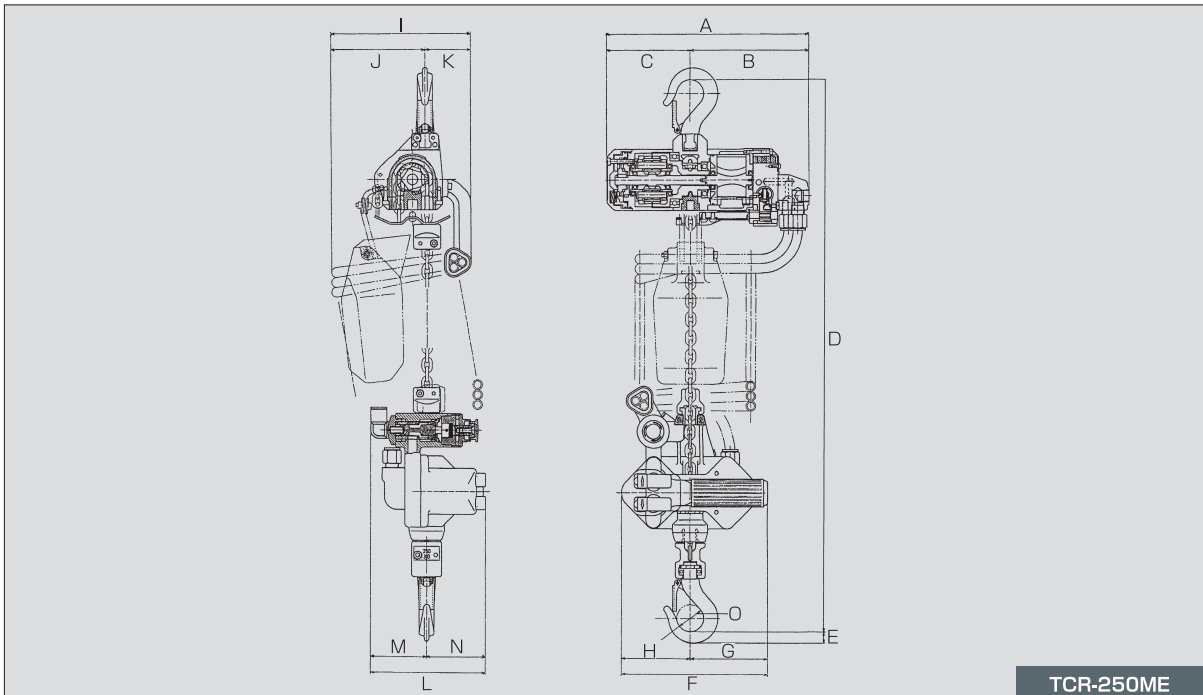
External Dimensions



Dimensions in mm

MODEL	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R
TCR-250C	249	112	137	130	305	71	21	19	33	-	1660	-	375	124	PT3/8
TCR-250DPE W/EMERGENCY	286	112	174	130	305	71	21	19	33	21	-	2310	375	124	PT3/8

External Dimensions



Dimensions in mm

MODEL	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
TCR-250ME	286	174	112	837	15	194	102	92	184	123	61	152	74	78	36



TCR AIR HOIST SERIES

Features:

Overload protection

Overload protection including auto-stop on all units

Low Noise Level

Unique exhaust design reduces noise level down to 75dBA.

Unsurpassed Inching Capabilities

Excellent inching in both up and down movement and full range of variable speed control.

Ability to raise & lower at speeds down to 1 foot a minute.

Allows loads to be raised and lowered accurately into position.

Automatic Disc Brake

Internal disc brake system, non asbestos, provides instant and positive activation of brake.

Failsafe mechanism ensures load cannot fall as a result of power loss.

Cast Iron Housing provides high strength

Durable in harsh environments.

Air consumption

All TCR models provide smooth, efficient operation and maximum performance with low air consumption. Operation of unit can be achieved with air pressures as low as 0.4MPa (58psi).

Load Tested

All units tested to 125% of rated capacity before delivery and test certificate provided.



TCR-1000C

MODEL	Lifting Capacity	No. of Chain Falls	Lifting Speed				Weight		Min Hook Distance	Chain Dimension	Hose Size
			Load (up)	Air Cons	Load (Down)	Air Cons	Weight with 3M lift chain	W/O Chain			
			m/min	m ³ /min	m/min	m ³ /min	Kg	Kg			
TCR-500C	500	1	10.5	1.5	17.9	1.6	30.1	27	462	6.3×19	12.7
TCR-500P	500	1	10.5	1.5	17.9	1.6	31.1	28	462	6.3×19	12.7
TCR-1000C2	1000	2	5.3	1.5	9	1.6	34.2	28	519	6.3×19	12.7
TCR-1000P2	1000	2	5.3	1.5	9	1.6	35.2	29	519	6.3×19	12.7
TCR-1000C	1000	1	6	1.5	10.3	1.7	32.9	29	466	7.1×21	12.7
TCR-1000P	1000	1	6	1.5	10.3	1.7	33.9	30	466	7.1×21	12.7
TCR-2000C2	2000	2	3	1.5	5.2	1.8	38.7	31	580	7.1×21	12.7
TCR-2000P2	2000	2	3	1.5	5.2	1.8	39.7	32	580	7.1×21	12.7
TCR-3000P	3000	1	2.8	2	4.6	2.6	69	59	563	11.2×34	19
TCR-3000C	3000	1	2.8	2	4.6	2.6	70	60	563	11.2×34	19
TCR-6000C2	6000	2	1.4	2	2.3	2.6	90.2	71	690	11.2×34	19
TCR-6000P2	6000	2	1.4	2	2.3	2.6	91.2	71	690	11.2×34	19

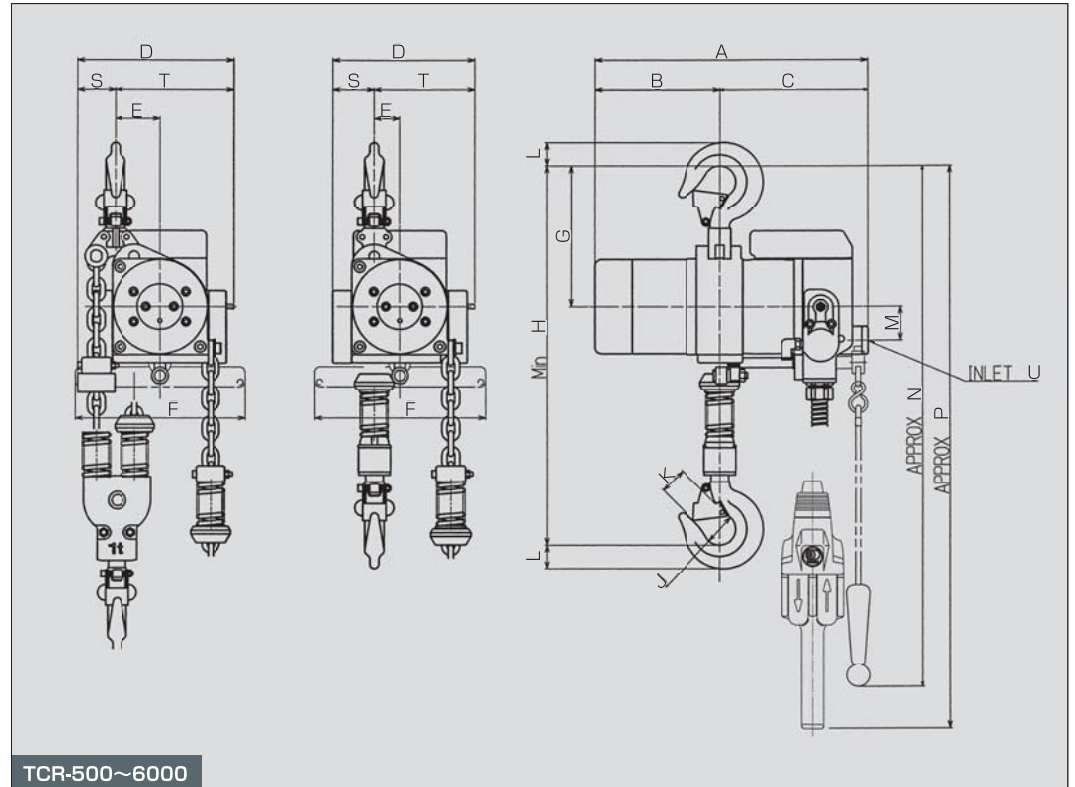
* Operating Air pressure is from 0.4MPa to 0.6MPa.

(500-6000kg) 500kg-6000kg lifting capacity



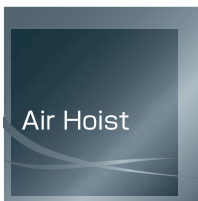
TCR-2000P2

■ External Dimensions



■ Dimensions in mm

MODEL	A	B	C	D	E	F	G	H	J	K	L	M	N	P	S	T	U
TCR-500P	342	156	186	149	32	-	177	462	40	29	29	42	-	2520	52	124	Rc1/2
TCR-500PE	342	156	186	149	32	-	177	462	40	29	29	42	-	2620	52	124	Rc1/2
TCR-500C	342	156	186	149	32	212	177	462	40	29	29	42	1860	-	52	124	Rc1/2
TCR-1000P2	342	156	186	180	56	-	177	519	40	92	29	42	-	2520	47	148	Rc1/2
TCR-1000P2E	342	156	186	180	56	-	177	519	40	29	29	42	-	2620	47	148	Rc1/2
TCR-1000C2	342	156	186	180	56	212	177	519	40	29	29	42	1860	-	47	148	Rc1/2
TCR-1000P	342	156	186	157	32	-	177	466	40	29	29	42	-	2520	40	124	Rc1/2
TCR-1000PE	342	156	186	157	32	-	177	466	40	29	29	42	-	2620	40	124	Rc1/2
TCR-1000C	342	156	186	157	32	212	177	466	40	29	29	42	1860	-	40	124	Rc1/2
TCR-2000P2	342	156	186	194	59	-	211	580	45	29	37	42	-	2550	50	152	Rc1/2
TCR-2000P2E	342	156	186	194	59	-	211	580	45	29	37	42	-	2650	50	152	Rc1/2
TCR-2000C2	342	156	186	194	59	212	211	580	45	29	37	42	1890	-	50	152	Rc1/2
TCR-3000P	449	202	247	245	43	-	249	563	50	34	45	42	-	2590	47	176	Rc1/2
TCR-3000PE	449	202	247	245	43	-	249	563	50	34	45	42	-	2690	47	176	Rc1/2
TCR-3000C	449	202	247	245	43	212	249	563	50	34	45	42	1930	-	47	176	Rc1/2
TCR-6000P2	449	202	247	275	87	-	275	690	65	42	49	42	-	2620	63	220	Rc1/2
TCR-6000P2E	449	202	247	275	87	-	275	690	65	42	49	42	-	2720	63	220	Rc1/2
TCR-6000C2	449	202	247	275	87	212	275	690	65	42	49	42	1960	-	63	220	Rc1/2



TMTCR TROLLEY AIR HOIST SERIES

500kg-6000kg lifting capacity

Features:

Beam size

Adjustable for wide range of beam flange widths and applicable for all of our TCR series air hoists.

Cast Iron Housing provides high strength

Durable in harsh environments.

Drive wheels

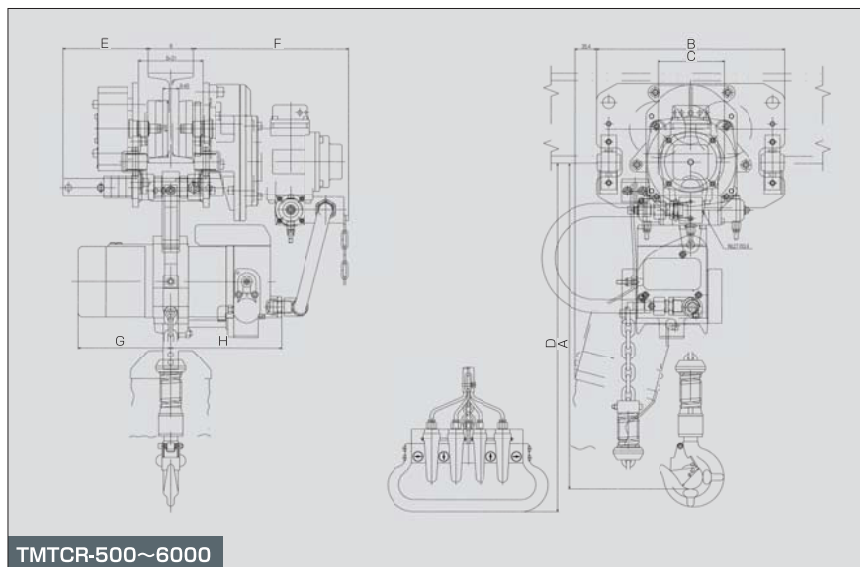
The 4 Flangeless wheels and 2 drive wheels allow low friction and providing excellent performance with fewer wear parts.

Automatic Brake

All units come standard with automatic brake, which do not require preliminary adjustment.

MODEL		TMTCR-500P			TMTCR-1000P2			TMTCR-1000P			TMTCR-2000P2			TMTCR-3000P			TMTCR-6000P2		
TROLLEY MODEL		TMTNC-1			TMTNC-1			TMTNC-1			TMTNC-3			TMTNC-3			TMTNC-6		
Lifting Capacity	Kg	500			1000			1000			2000			3000			6000		
Weight (W/O Chain)	Kg	79			79.5			83			97			125			157.5		
Air Consumption	m ³ /min	1.5			1.5			1.5			1.5			2			2		
Traveling Speed (W/O Load)	m/min	20			20			20			20			20			20		
Applied Beam Size	mm	75	100	125	75	100	125	75	100	125	100	125	150	100	125	150	125	150	175
Min. Radius of Beam	mm	3500	800	800	3500	800	800	3500	800	800	1300	800	800	1300	800	800	2000	2000	2000

External Dimensions



Dimensions in mm

MODEL	A	B	C	D	E	F	G	H
TMTCR-500P	490	315	111	2240	144	261	156	186
TMTCR-1000P2	497	315	111.3	2250	143.7	252.5	156	164.5
TMTCR-1000P	446	315	111.3	2250	143.7	252.5	156	164.5
TMTCR-2000P2	592	340	140	2240	163	266	156	186
TMTCR-3000P	554	340	140	2240	163	266	202	247
TMTCR-6000P2	660	400	156	2240	193	276	202	247

* Operating Air pressure is from 0.4MPa to 0.6MPa.



TMTCR-2000P2

TMM MINI-MIGHTER

140kg lifting capacity

Features:

Machine size

Extremely compact and lightweight.

Cast Iron Housing provides high strength

Durable in harsh environments.

Auto Stop

Auto Stop activated when the maximum travel is reached, eliminating reverse winding.

Self Spooling

Wire rope automatically spools inside the unit.

Load Tested

All units tested to 125% of rated capacity before delivery and test certificate provided.

TMM-140AE



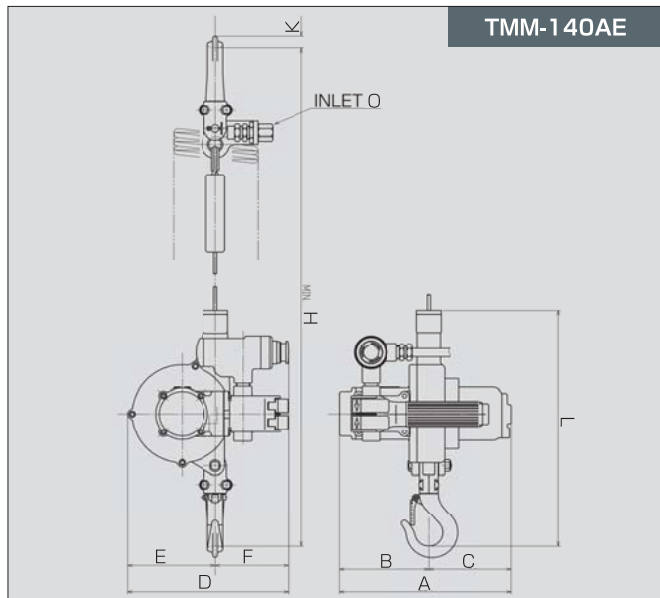
Control type

Handle-mounted pendant control provides one-handed operation.

Left or Right Hand Operation.

Comes standard with adjustable handle for either left or right hand operation.

External Dimensions



TMM-140AE Use example



Enables you to lift and lower the object quick and easy.



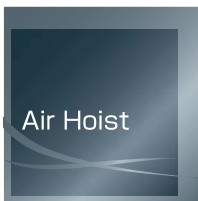
TMM-140AE present you precise control in positioning the object.

Dimensions in mm

MODEL	A	B	C	D	E	F	H	L	O
TMM-140AE	224	116	108	208.2	114	94.2	573	308	PT3/8

MODEL	Lifting Capacity	Lifting Speed				Weight	Min Hook Distance	Chain Dimension	Hose Size
		Load (up)	Air Cons	Load (Down)	Air Cons				
	Kg	m/min	m ³ /min	m/min	m ³ /min	Kg	mm	mm	mm
TMM-140AE	140	11	0.63	18	0.65	10	572.8	4	9.5

* Operating Air pressure is from 0.4MPa to 0.6MPa.



TNC AIR HOIST SERIES

10t-25t lifting capacity

Features:

Overload protection

Overload protection including auto-stop on all units.

Over traveling Limit system

Limit system prevents over traveling of hook in case of an emergency the load hook reaches either the highest or lowest points.

Limit system prevents damage to mechanism.

Emergency stop button

Emergency stop button is standard for all pendant type TNC air hoist.

Automatic Disc Brake

Internal disc brake system, non asbestos, provides instant and positive activation of brake.

Cast Iron Housing provides high strength

Durable in harsh environments.

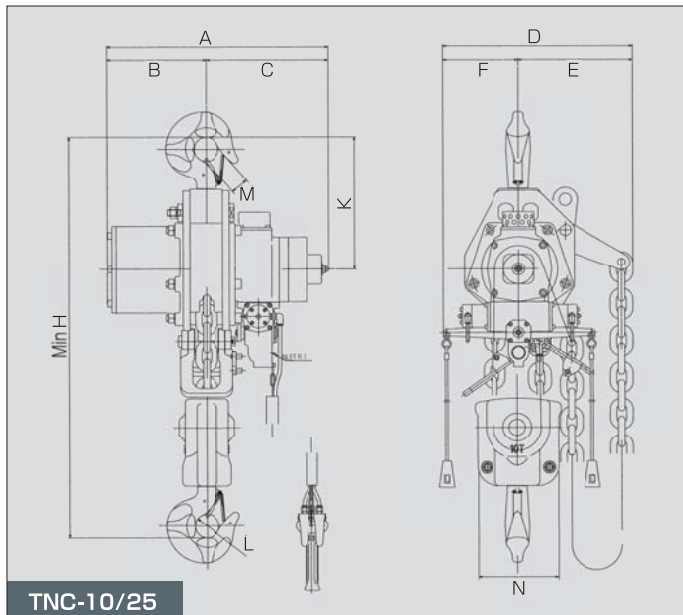
Load Tested

All units tested to 125% of rated capacity before delivery and test certificate provided.



TNC-25 TWLPE

External Dimensions



Dimensions in mm

MODEL	A	B	C	D	E	F
TNC-10TWALPE/TWALC	560	247	313	468	280	188
TNC-25TWLPE/TWLC	710	364	346	437	313	124

MODEL	H	K	L	M	N
TNC-10TWALPE/TWALC	890	329	60	40	214
TNC-25TWLPE/TWLC	1440	494	125	80	330

MODEL	Lifting Capacity	No. of Chain Falls	Lifting Speed				Weight		Min Hook Distance	Chain Dimension	Hose Size
			Load (up)	Air Cons	Load (Down)	Air Cons	Weight with 3M lift chain	W/O Chain			
	Kg		m/min	m ³ /min	m/min	m ³ /min	Kg	Kg	mm	mm	mm
TNC-10TWALC	10000	2	1.5	5	2.3	6	215	170	890	16×45	25.4
TNC-10TWALPE							216	171			
TNC-25TWLC	25000	2	0.5	5	0.7	5.8	490	394	1440	22×66	25.4
TNC-25TWLPE							491	395			

* Operating Air pressure is from 0.4MPa to 0.6MPa.

TC AIR HOIST SERIES

1000kg-5000kg lifting capacity

Features:

Compact & Lightweight

Lightest weight in it's class.

Harsh Environments

Manufactured for hard service environment. Reliable in harsh Environments such as heat, dust and humidity.

Cast Iron Housing provides high strength

Durable in harsh environments.

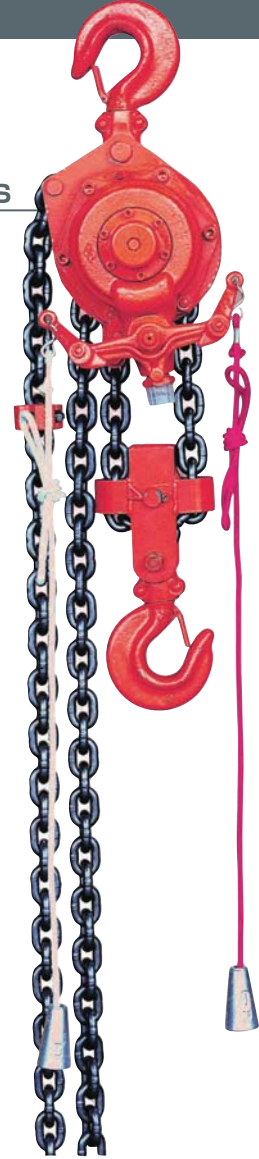
Simple structure

Simple structure provides easy maintenance against a usage in harsh environment.

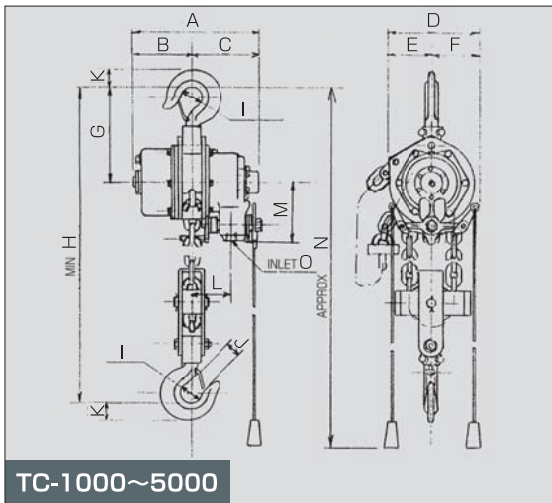
Load Tested

All units tested to 125% of rated capacity before delivery and test certificate provided.

TC-1000KB-S



External Dimensions



Dimensions in mm

MODEL	A	B	C	D	E	F	G	H
TC-1000KB-S	235	103	132	182	70	112	181	450
TC-3000WB-S	299	138	161	204	92	112	234	600
TC-5000WB-S	306	140	166	218	106	112	235	630
MODEL	I	J	K	L	M	N	O	
TC-1000KB-S	40	28	34	66	106	1800	PT1/2	
TC-3000WB-S	45	32	37	84	140	1800	PT3/4	
TC-5000WB-S	50	41	45	89	140	1800	PT3/4	

MODEL	Lifting Capacity Kg	No. of Chain Falls	Lifting Speed				Weight		Min Hook Distance mm	Chain Dimension mm	Hose Size mm
			Load (up) m/min	Air Cons m ³ /min	Load (Down) m/min	Air Cons m ³ /min	Weight with 3M lift chain Kg	W/O Chain Kg			
TC-1000KB-S	1000	2	2.3	1.6	4.2	1.5	22.5	14.3	450	7.5×20.25	12.7
TC-3000WB-S	3000	2	1.6	2.4	2.9	2.7	52.5	34	595	11×27.65	19
TC-5000WB-S	5000	2	1	3.3	2	2.7	67.3	43.4	635	12.7×33.75	19

* Operating Air pressure is from 0.4MPa to 0.6MPa.



TAW AIR WINCH SERIES

300kg-2000kg pulling capacity

Features:

Lightweight, Compact & Simple Structure

Due to the lightweight design, movement of the winch, if required, is an easy process. Placement in confined spaces is easily achieved, and the all steel, simple, yet robust design provides years of trouble free operation.

Quick Engage/Disengage Clutch

Allows for quick and easy payout of wire rope from drum.

Spool Valve

Provides full range, positive speed control.

Dual Brake system

Units are standard with both internal automatic failsafe brake and manual band brake.

Cast Iron Housing provides high strength

Durable in harsh environments.

Load Rating

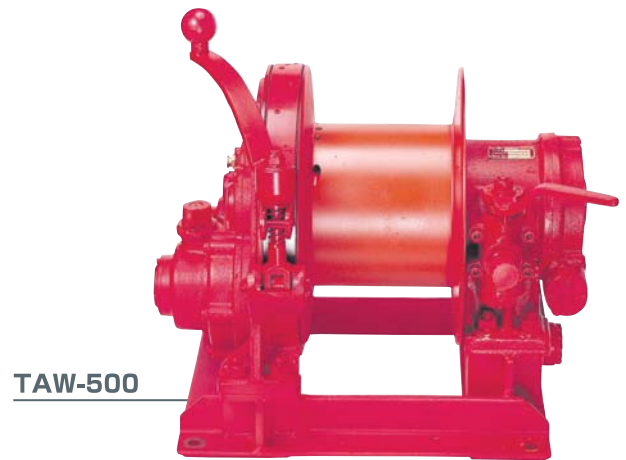
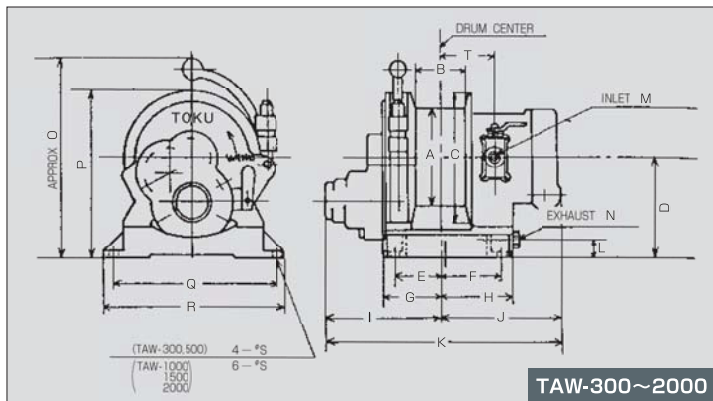
All units are rated full drum, lifting capacity for added durability and performance.

Load tested

All units tested to 125% of rated capacity before delivery and test certificate provided.

Applications

External Dimensions



Dimensions in mm



MODEL	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
TAW-300	162	102	238	160	87	103	102	118	184	193	375	-	PT3/4	-	377	279	260	282	11	98
TAW-500	180	150	308	225	200	160	220	180	255	220	475	58	PT3/4	PT1-1/4	447	380	310	350	14	134
TAW-1000	200	243	340	225	254	208	270	226	315.5	265.5	581	58	PT3/4	PT1-1/4	448	397	310	350	14	172
TAW-1500	200	243	340	225	254	208	270	226	315.5	265.5	581	58	PT3/4	PT1-1/4	448	397	310	350	14	172
TAW-2000	300	243	460	286	249	207	269	226	307	274	581	41	PT3/4	PT1-1/4	583	516	420	460	14	172

MODEL	Capacity	Wire Iope Dimension	Lifting Speed		Weight (W/O Rope)	Hose Size	Mounting Bolts
			Rope Speed	Air Cons			
	Kg	mm×m	m/min	m³/min	Kg	Inch	Inch
TAW-300B	300	6×48	27	3.4	39	3/4	M10×4
TAW-500	500	8×100	20	3.4	70.5	3/4	M12×4
TAW-1000	1000	10×114	11.5	3.9	88	3/4	M12×6
TAW-1500	1500	12×60	8.5	4.1	89	3/4	M12×6
TAW-2000	2000	16×63	5.7	4.9	130	3/4	M12×6

* Operating Air pressure is from 0.4MPa to 0.6MPa.

ACCESSORIES

■ PENDANT

■ TCR/TCS SERIES		■ TCR-250DPE		■ TCS / TCR / TNC / TC	
Standard type with Emergency Stop Button		Standard type with Emergency Stop Button		Cord type	
	<ul style="list-style-type: none"> TCR-250PE TCR-500PE TCR-1000P2E TCR-500PE TCR-1000P2E TCR-1000PE TCR-2000P2E TCR-3000PE TCR-6000P2E 				
TCR / TCS					
■ TNC SERIES		■ TMM140A	■ TCR-250M	■ TMTCR SERIES	
Standard Optional Emergency Stop Button				<ul style="list-style-type: none"> TMTCR-500P TMTCR-1000P2 TMTCR-1000P TMTCR-2000P2 TMTCR-3000P TMTCR-6000P2 	
<ul style="list-style-type: none"> TNC-10TWALPE TNC-25TWLPE 					

■ CHAIN SPECIFICATION

MODEL	Number of falls	Lead chain m	chain length (3m lift) m	3m chain weight (3m lift) kg	chain weight/m Kg	MODEL	Number of falls	Lead chain m	chain length (3m lift) m	3m chain weight (3m lift) kg	chain weight/m Kg
TCS-250P/C	1	0.5	3.5	3.1	0.88	TCR-2000P2/C2	2	1.0	7	7.7	1.1
TCS-500P/C	1	0.5	3.5	3.1	0.88						
TCS-1000P2/C2	2	1.0	7	6.2	0.88	TCR-3000P/C	1	0.7	3.7	10	2.7
TCR-250C	1	0.3	3.3	1.2	0.35	TCR-6000P2/C2	2	1.1	7.1	19.2	2.7
TCR-250DP	1	0.3	3.3	1.2	0.35	TNC-10TWALPE/TWALC	2	2.0	2.0	45.6	5.7
TCR-250M	1	0.8	2.8(STD2m)	1	0.35	TNC-25TWLPE/TWLC	2	3.0	3.0	96.3	10.7
TCR-500P/C	1	0.5	3.5	3.1	0.88	TC-1000KWB-S	2	0.5	0.5	8.2	1.26
TCR-1000P2/C2	2	1.0	7	6.2	0.88	TC-3000WB-S	2	0.5	0.5	18.5	2.85
TCR-1000P/C	1	0.5	3.5	3.9	1.1	TC-5000WB-S	2	0.5	0.5	23.9	3.67

* The standard lift of TCR-250M is 2m

* Calculation of necessary chain length
Necessary lift × Number of falls + Lead chain



ACCESSORIES

■ Chain basket(Optional)Chart

MODEL \ LIFT(m)	3	4	5	6	7	8	9	10	12	15	16	17	18	20	24	30	35	36	40
TCS-250P/C	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲		
TCS-500P/C	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲		
TCS-1000P2/C2	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲							
TCR-250C/DP	■	■	▲	▲	▲	▲	▲	▲	▲	▲									
TCR-500P/C	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	●	●	●	●	●	●	●	●	●
TCR-1000P2/C2	▲	▲	▲	▲	▲	●	●	●	●	●	●	●	●	●					
TCR-1000P/C	▲	▲	▲	▲	▲	▲	▲	▲	▲	●	●	●	●	●	●	●	●	●	●
TCR-2000P2/C2	▲	▲	▲	▲	●	●	●	●	●	●	●	●	●	●					
TCR-3000P/C	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
TCR-6000P2/C2	●	●	●	●	●	●	●	●	●	●	●	●	●						
TC-1000KWB-S	▲	▲	▲	▲	●	●	●	●	●	●									
TC-3000WB-S	●	●	●	●	●	●													
TC-5000WB-S	●	●	●	●	●	●	●	●	●	●									



APPLICATION

MODEL	Lifting Capacity	Application
TMM-140A	140kg	Automotive Industry, Aircraft industry
TCR-250 SERIES	250kg	Processing Industry ... Positioning lathe chuck or heavy material into machine tool Work shop ... Lifting materials during disassembling and reassembling
TCS-SERIES	250-1000Kg	Automotive Industry, home appliance industry All assembly line where takt time is rigid
TCR-SERIES	500-6000Kg	Construction site, Chemical industry, Paint industry, Textile industry, Power plant Steel industry, Offshore plant, Oil industry, Paper mill, Aircraft industry
TMTCR-SERIES	500-6000Kg	All industries where loads have to be lift and transported to a different place
TNC-SERIES	10ton-25ton	Shipyard, Offshore plant, Oil industry
TC-SERIES	1000Kg-5000Kg	Shipyard, Mining, Engine room inside vessel

Operation and Maintenance Instructions for Air hoist

Durability, performance and efficiency of an air hoist can greatly be affected by the way of how user will operate and maintenance its tool. Following instructions must carefully be obeyed in order to maintain the performance of a new tool.

Air Supply

An air hoist is usually designed to be operated at a working air pressure instructed under the specification of each models.
The lack of air volume will result in a decrease of performance for an Air Hoists.

Lubrication

Lubrication is very important for air hoist operation and should always be equipped in the piping and also the oil in the lubricator should be checked.

The lubrication to the chain is also necessary.

The chain may wear prematurely if it is not lubricated properly.

Recommended lubricants and instruction for lubrication is mentioned on service manual.

Air Filter

Even a little dust or moisture will affect an air tool to stop operation in some cases.

Thus, an air-filter (Drain separator) should always be equipped in the piping.

Maintenance and Periodical inspection

To operate the hoist safely, it is necessary to inspect the hoist regularly.

When the hoist is in use, obey the regulations in the safety standards and perform the inspections on the instruction manual.



Main Plant



Kamimine Plant



Kishima Plant



Hirokawa Plant



Yamada Plant

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