



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

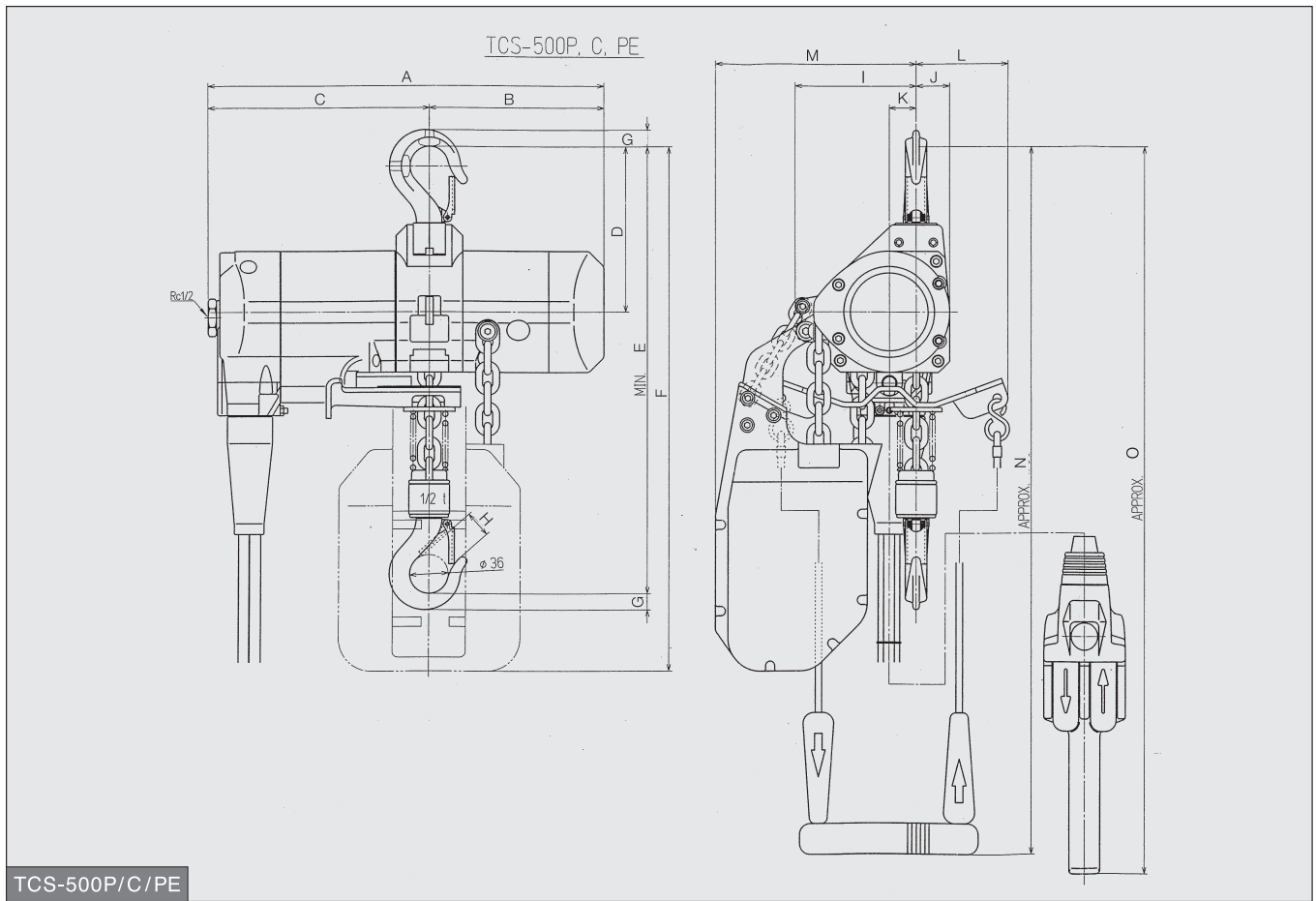
The exhaust is directed over the motor section to keep the unit cool in hot environments.

Load Tested

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



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	m3/min	m/min	m3/min	Kg	Kg			
TCS-250P	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	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	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.

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

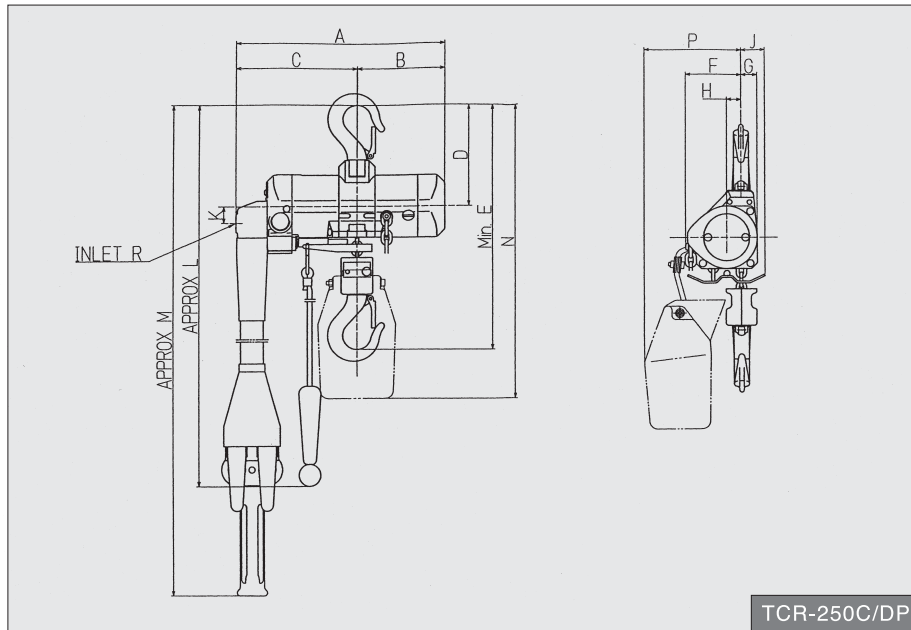
TCR-250C: Code control
TCR-250DP: Direct pendant control
TCR-250M: Manipulator type

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	m3/min	m/min	m3/min	Kg	Kg			
TCR-250C	250	1	9	0.8	17.4	0.9	7	5.8	305	4 × 12	9.5
TCR-250DP	250	1	8.1	0.7	16.5	0.8	8.6	7.4	305	4 × 12	9.5
TCR-250M	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.

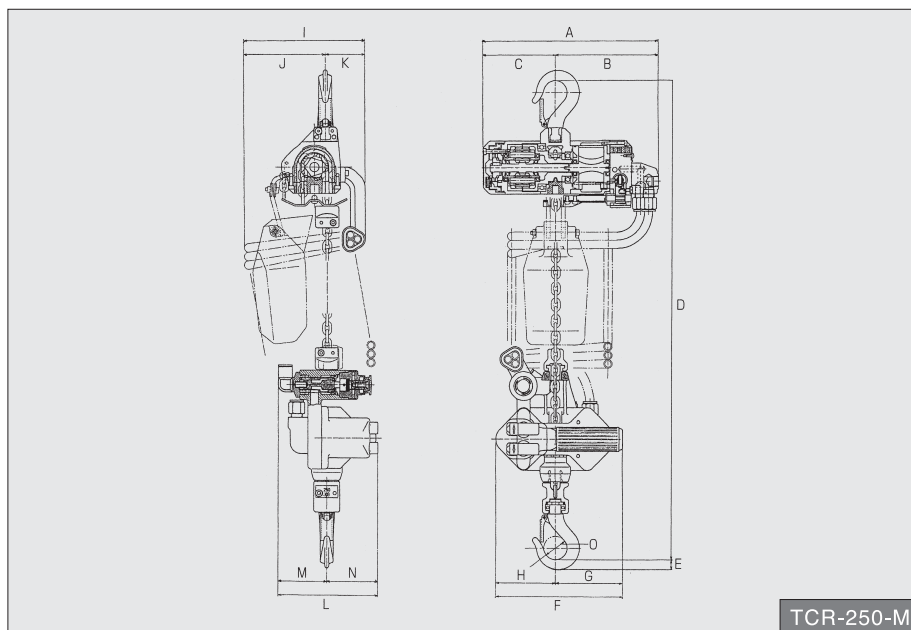
External Dimensions



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-250DP	286	112	174	130	305	71	21	19	33	21	-	2235	375	124	PT3/8
TCR-250DP 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-250M	286	174	112	837	15	194	102	92	184	123	61	152	74	78	36

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.



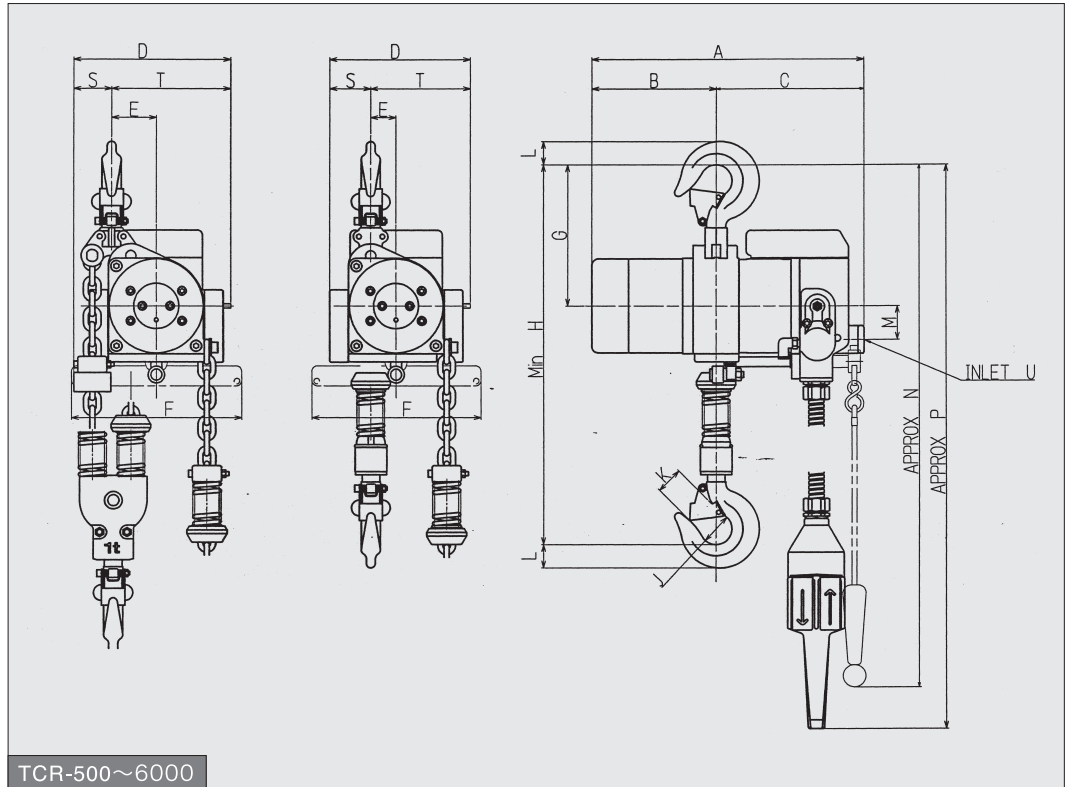
MODEL	Lifting Capacity	No. of Chain Falls	Lifting Speed				Weight		Min Hook Distance	Chain Dimension	Hose size
			Load (up)	Air Cons	Load (Down)	Air Cons	Weight with 3M lift chain	W/O Chain			
			m/min	m3/min	m/min	m3/min	Kg	Kg			
TCR-500C	500	1	10.5	1.5	17.9	1.6	30.1	27	462	6.3 × 19	12.7
TCR-500P	500	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.



TCR-2000P2

■ External Dimensions



TCR-500~6000

■ 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	29	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

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

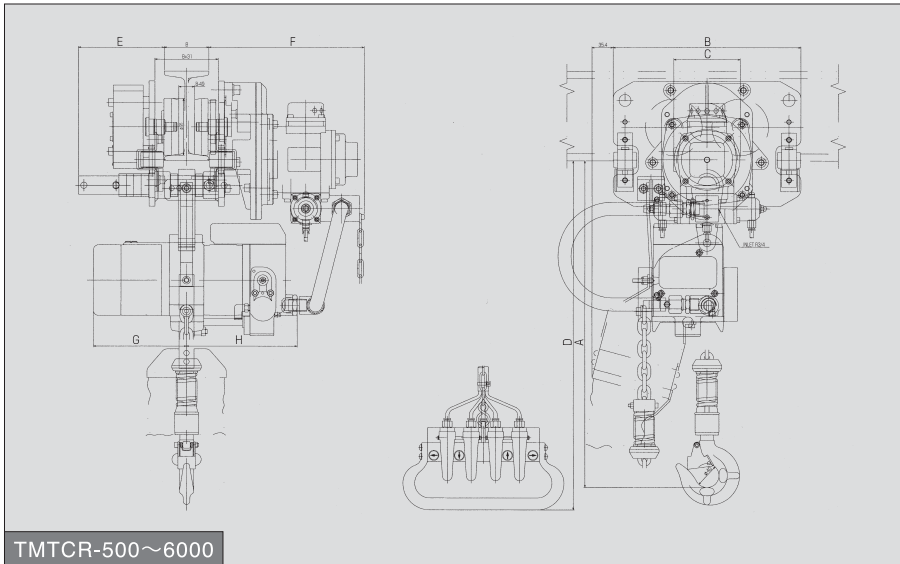
The 4 Flangeless wheels and 2 drive wheels allow low friction and providing excellent performance with fewer wear parts.

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



TMTCR-2000P2

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

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.

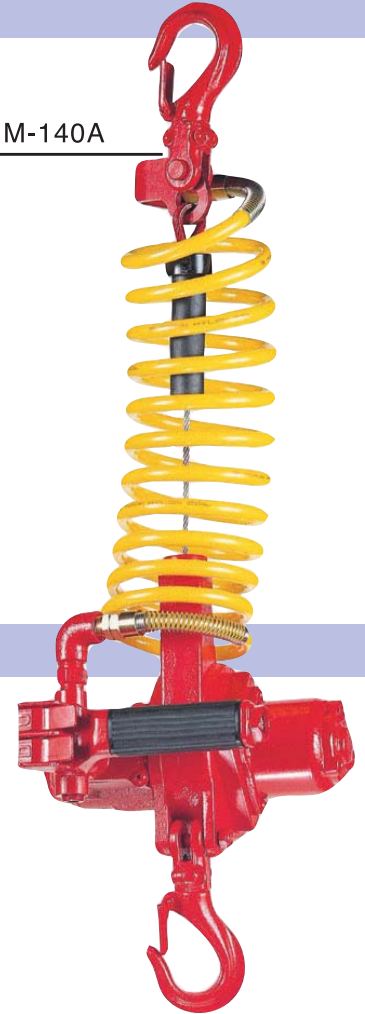
Self Spooling

Wire rope automatically spools inside the unit.

Load Tested

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

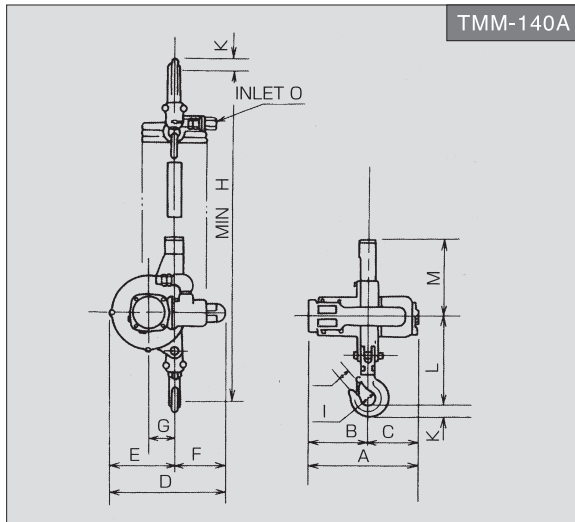
TMM-140A



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-140A Use example



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



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

Dimensions in mm

MODEL	A	B	C	D	E	F	G	H	I	K	L	M	O
TMM-140A	224	116	108	208	114	94	44	573	36	15	173	135	PT3/8

MODEL	Lifting Capacity	Lifting Speed				Weight	Min Hook Distance	Chain Dimension	Hose size
		Loar (up)	Air Cons	(Down)	Air Cons				
		m/min	m3/min	m/min	m3/min				
TMM-140A	140	11	0.63	18	0.65	10	572.8	4	9.5

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