



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

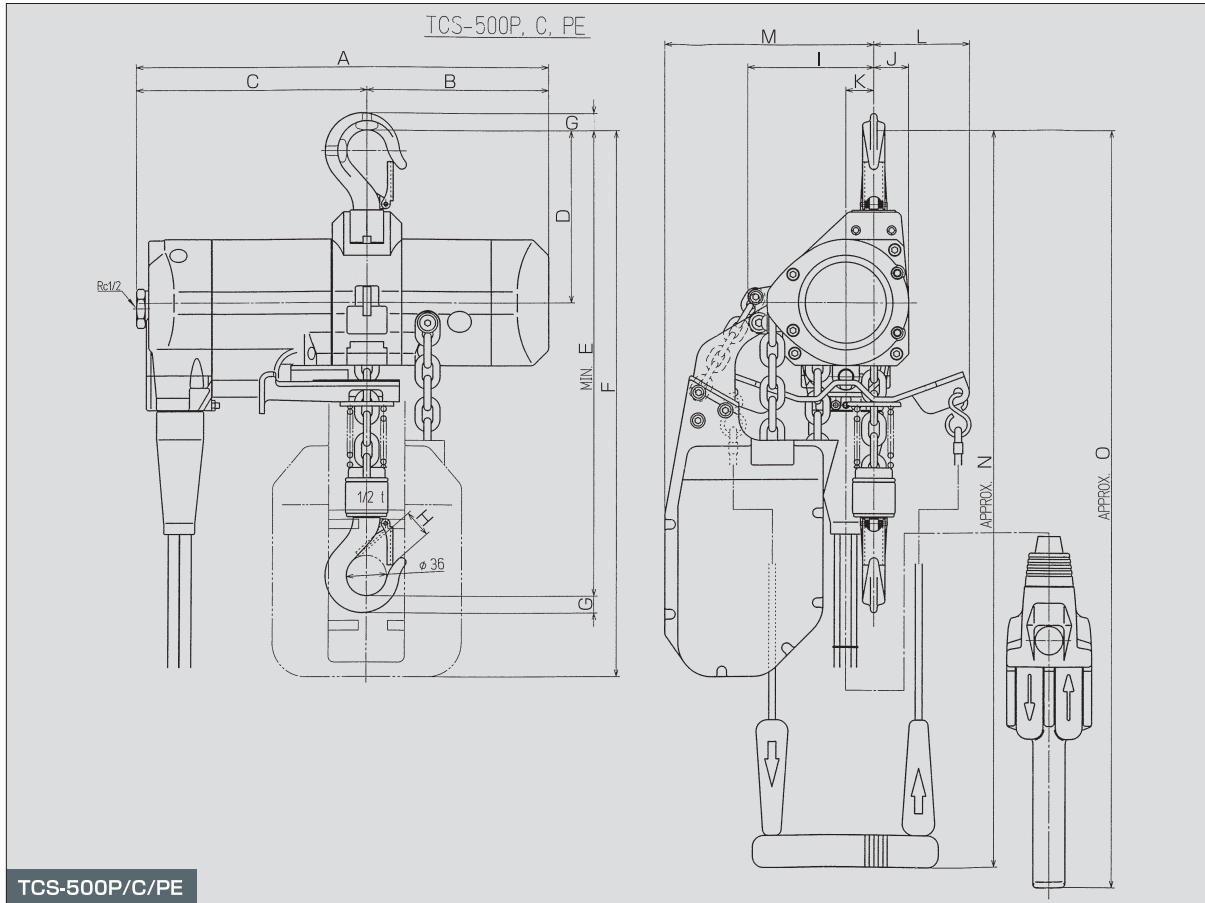
All units tested to 125% of rated capacity before delivery and test.

Certificate provided.



250kg-1000kg lifting capacity

External Dimensions



TCS-500P/C/PE

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

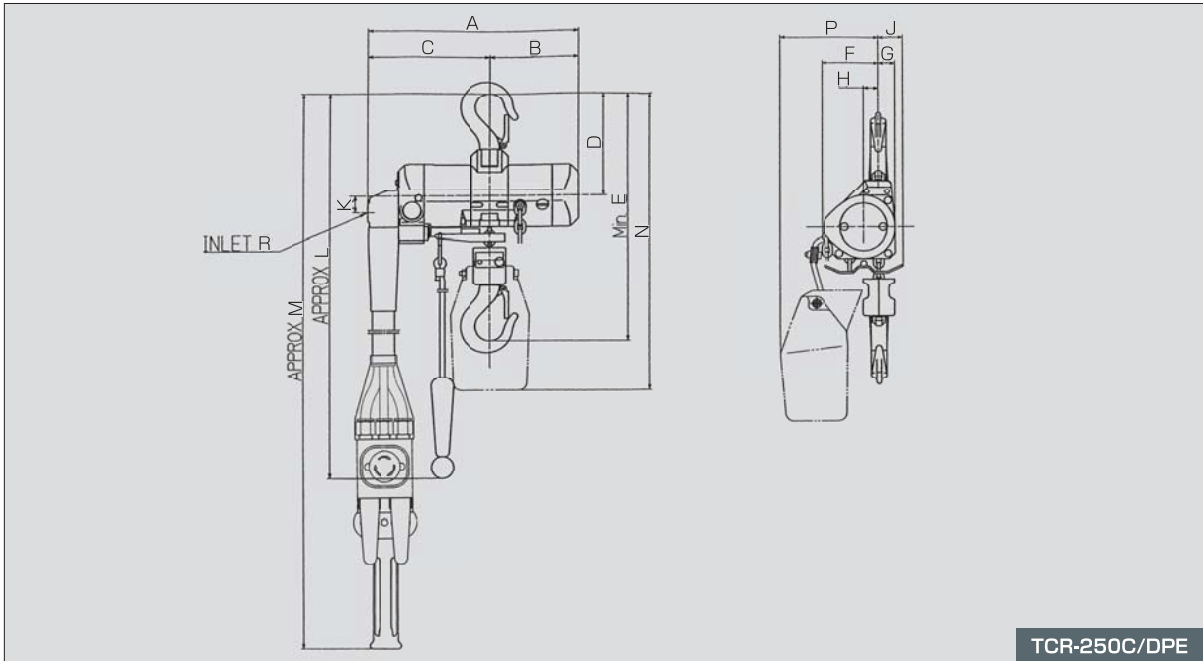
MODEL	Lifting Capacity	No.of Chain Falls	Lifting Speed				Weight		Min Hook Distance	Chain Dimension	Hose Size
			Load (up)	Air Cons	Load (Down)	Air Cons	Weight with 3M lift chain	W/O Chain			
	Kg		m/min	m ³ /min	m/min	m ³ /min	Kg	Kg	mm	mm	mm
TCR-250C	250	1	9	0.8	17.4	0.9	7	5.8	305	4×12	9.5
TCR-250DPE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

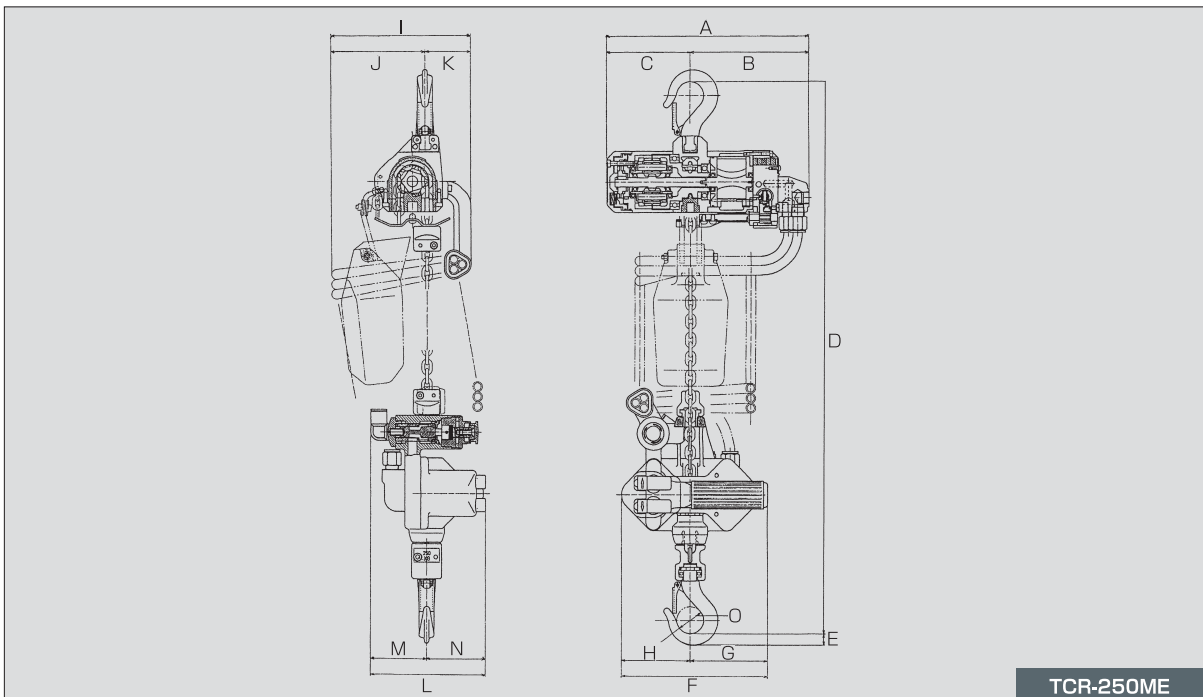
External Dimensions



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