

PNEUMATIC CHAIN HOIST

ENDO



AT-60K , AT-125K

FUNCTION



Chain type



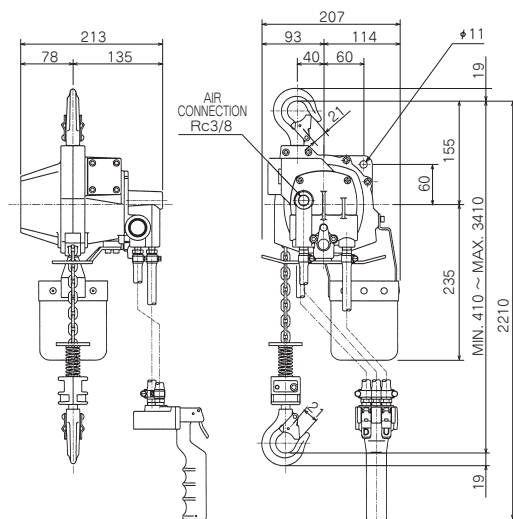
Button control



Plain trolley (on request)



Chain extension (on request)



*The Length of control hose is 1.8m.

Model	Rated load (kg)	Stroke (m)	Air pressure MPa {kgf/cm ² }	Lifting speed m/min	Air consumption m ³ /min (normal)	Chain size × fall	Air inlet	Mass (kg)
AT-60K	60	3	0.4 {4}	16.5	0.52	4.0×1	Rc 3/8	12.3
			0.5 {5}	20.0	0.67			
			0.6 {6}	23.5	0.85			
AT-125K	125	3	0.4 {4}	10.0	0.55	4.0×1	Rc 3/8	12.5
			0.5 {5}	12.0	0.71			
			0.6 {6}	14.5	0.9			

AT-60K-5 , AT-125K-5 , ATC-60K-5 , ATC-125K-5

FUNCTION



Chain type



Button control



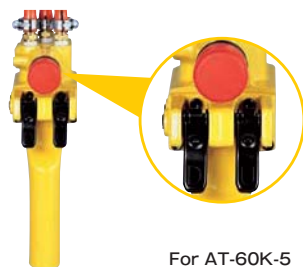
Plain trolley (on request)



Emergency stop button



Chain extension (AT series)



For AT-60K-5



For ATC-60K-5

*The Length of control hose is 1.8m.

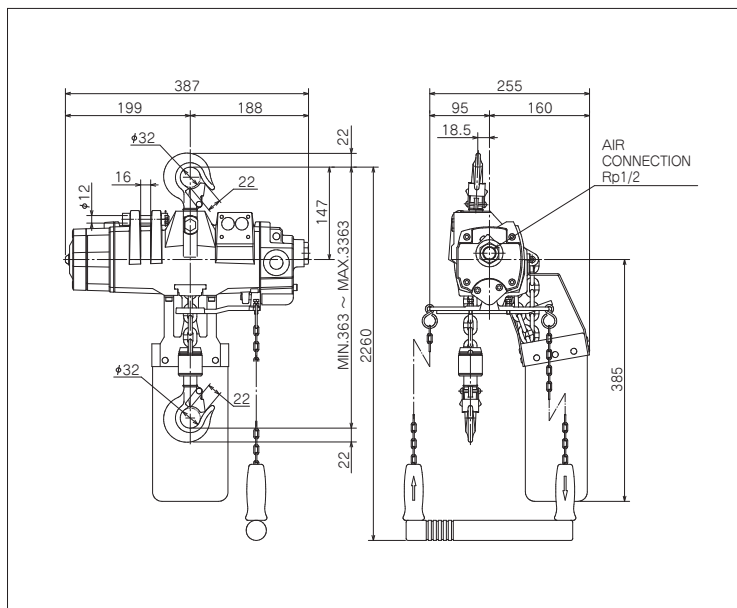
Model	Rated load (kg)	Stroke (m)	Air pressure MPa {kgf/cm ² }	Lifting speed m/min	Air consumption m ³ /min (normal)	Chain size × fall	Air inlet	Mass (kg)
AT-60K-5	60	3	0.4 {4}	16.5	0.52	4.0×1	Rc 3/8	13.0
			0.5 {5}	20.0	0.67			
			0.6 {6}	23.5	0.85			
AT-125K-5	125	3	0.4 {4}	10.0	0.55	4.0×1	Rc 3/8	13.2
			0.5 {5}	12.0	0.71			
			0.6 {6}	14.5	0.9			
ATC-60K-5	60	2	0.4 {4}	14.0	0.45	4.0×1	Rc 3/8	14.3
			0.5 {5}	17.5	0.58			
			0.6 {6}	20.0	0.68			
ATC-125K-5	125	2	0.4 {4}	6.5	0.42	4.0×1	Rc 3/8	14.5
			0.5 {5}	10.5	0.55			
			0.6 {6}	12.0	0.65			

Note

1. Install a filter and lubricator to the hoist as close as possible.
2. Application; Indoor -10°C~+50°C (Temperature)

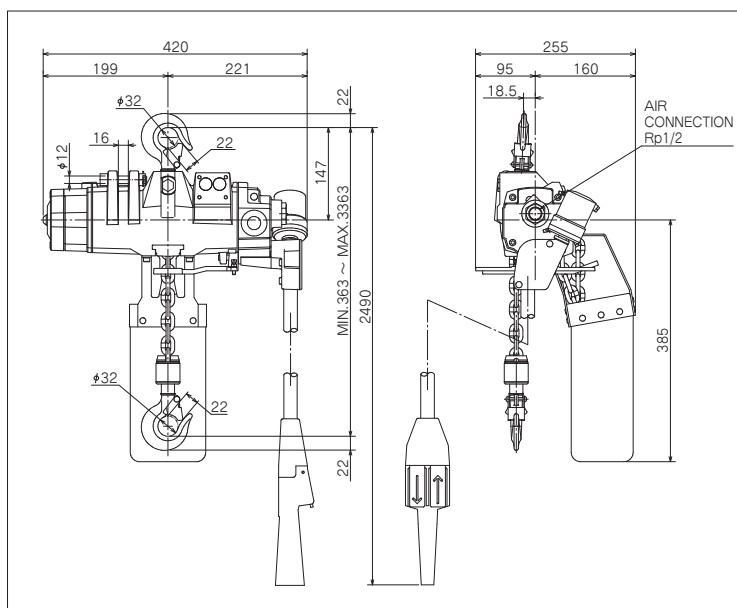
EHL-025TS

EHL-025TS



*The length of control chain is 2m.

EHL-025TS PCS-1



*The Length of control tube is 2m.

FUNCTION



Chain type



Pendant control switch (on request)



Chain extension (on request)



Air motor trolley (on request)



Overload protector (on request)

Model	Rated load (kg)	Stroke (m)	Air pressure MPa [kgf/cm ²]	Lifting speed m/min	Air consumption m ³ /min (normal)	Chain size x fall	Air inlet	Mass (kg)
EHL-025TS	250	3	0.4 {4}	12.0	0.9	6.3x1	Rp 1/2	20.0
EHL-025TS PCS-1			0.5 {5}	16.0	1.3			22.0
			0.6 {6}	18.0	1.6			

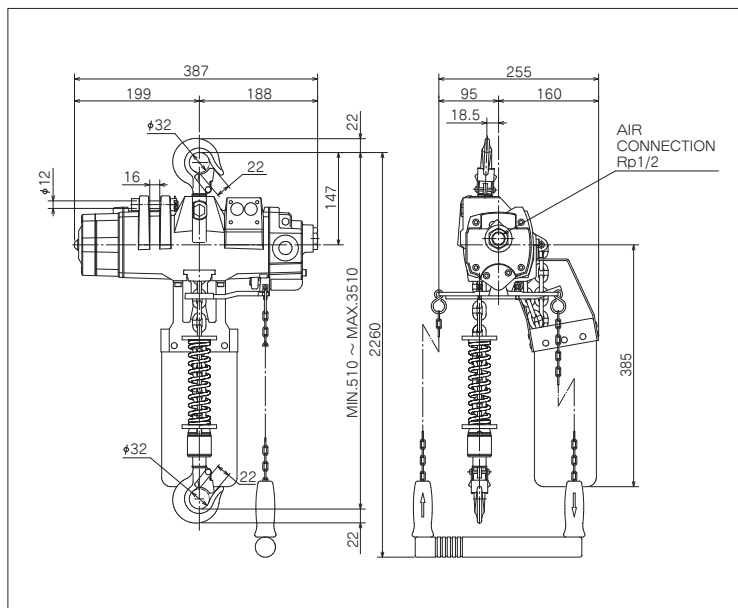
Note) The extension of control tube is available up to 6m (total 8m length).

Note

1. Install a filter and lubricator to the hoist as close as possible.
2. Application; Indoor -10°C~+50°C (Temperature)

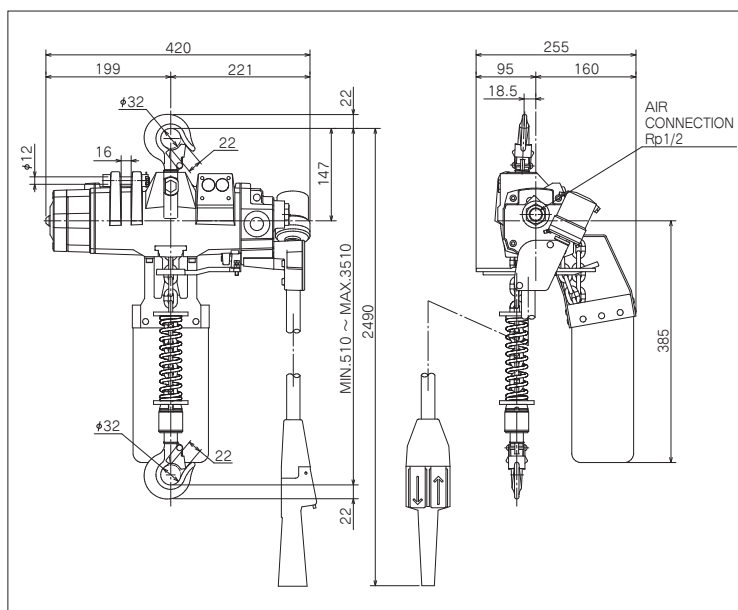
EHL-05TS

EHL-05TS



*The length of control chain is 2m.

EHL-05TS PCS-1



*The Length of control tube is 2m.

FUNCTION



Chain type



Pendant control switch (on request)



Chain extension (on request)



Air motor trolley (on request)



Overload protector (on request)

Model	Rated load (kg)	Stroke (m)	Air pressure MPa {kgf/cm ² }	Lifting speed m/min	Air consumption m ³ /min (normal)	Chain size x fall	Air inlet	Mass (kg)
EHL-05TS	500	3	0.4 {4}	7.5	0.95	6.3x1	Rp 1/2	20.0
EHL-05TS PCS-1			0.5 {5}	9.0	1.3			22.0
			0.6 {6}	10.5	1.65			

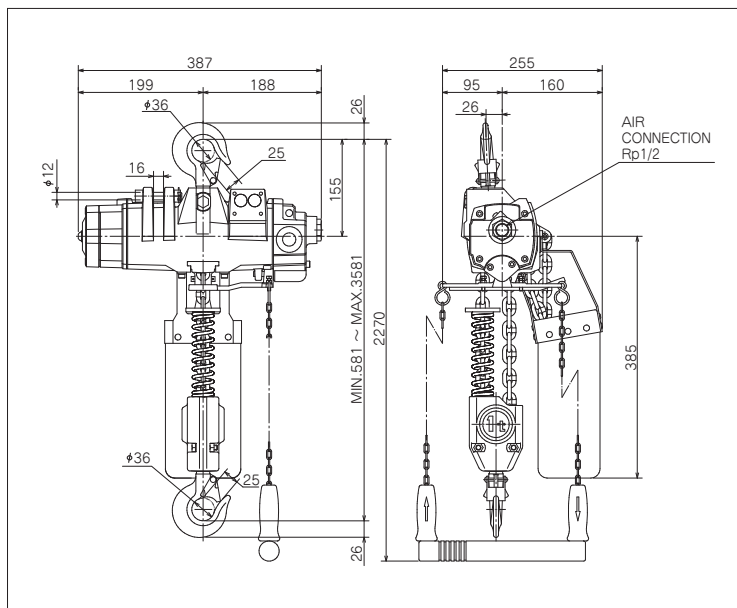
Note) The extension of control tube is available up to 6m (total 8m length).

Note

1. Install a filter and lubricator to the hoist as close as possible.
2. Application; Indoor -10°C~+50°C (Temperature)

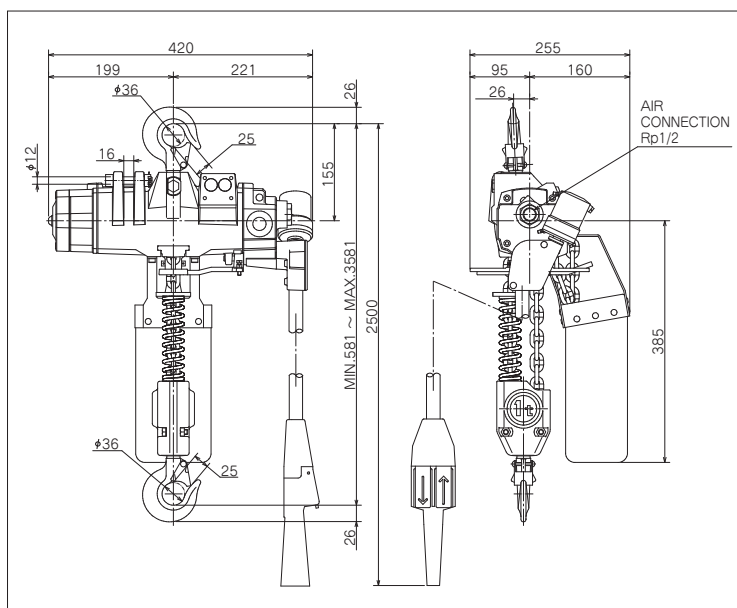
EHL-1TW

EHL-1TW



*The length of control chain is 2m.

EHL-1TW PCS-1



*The Length of control tube is 2m.

FUNCTION



Chain type



Pendant control switch (on request)



Chain extension (on request)



Air motor trolley (on request)



Overload protector (on request)

Model	Rated load (t)	Stroke (m)	Air pressure MPa {kgf/cm ² }	Lifting speed m/min	Air consumption m ³ /min (normal)	Chain size × fall	Air inlet	Mass (kg)
EHL-1TW	1	3	0.4 {4}	3.7	0.95	6.3×2	Rp 1/2	26.0
EHL-1TW PCS-1			0.5 {5}	4.5	1.3			28.0
			0.6 {6}	5.2	1.65			

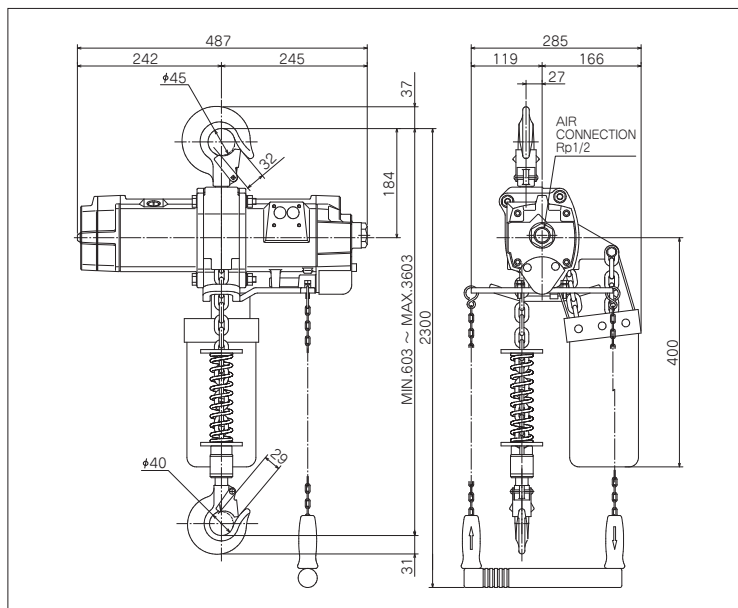
Note) The extension of control tube is available up to 6m (total 8m length).

Note

1. Install a filter and lubricator to the hoist as close as possible.
2. Application; Indoor -10°C~+50°C (Temperature)

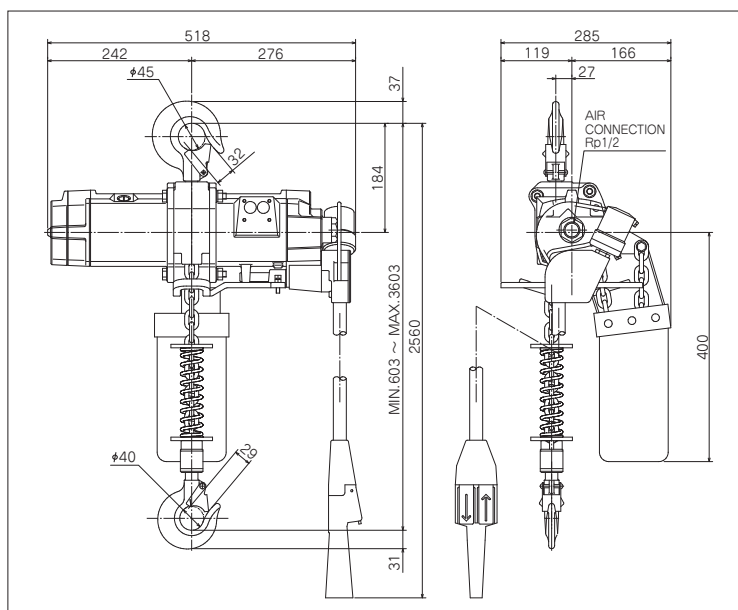
EHL-1TS

EHL-1TS



*The length of control chain is 2m.

EHL-1TS PCS-2



*The Length of control tube is 2m.

FUNCTION



Chain type



Pendant control switch (on request)



Emergency stop button (on request)



Chain extension (on request)



Air motor trolley (on request)



Overload protector (on request)

Model	Rated load (t)	Stroke (m)	Air pressure MPa {kgf/cm ² }	Lifting speed m/min	Air consumption m ³ /min (normal)	Chain size x fall	Air inlet	Mass (kg)
EHL-1TS	1	3	0.4 {4}	4.0	1.0	7.1 x 1	Rp 1/2	34.0
EHL-1TS PCS-2			0.5 {5}	5.2	1.4			37.0
			0.6 {6}	6.0	1.8			

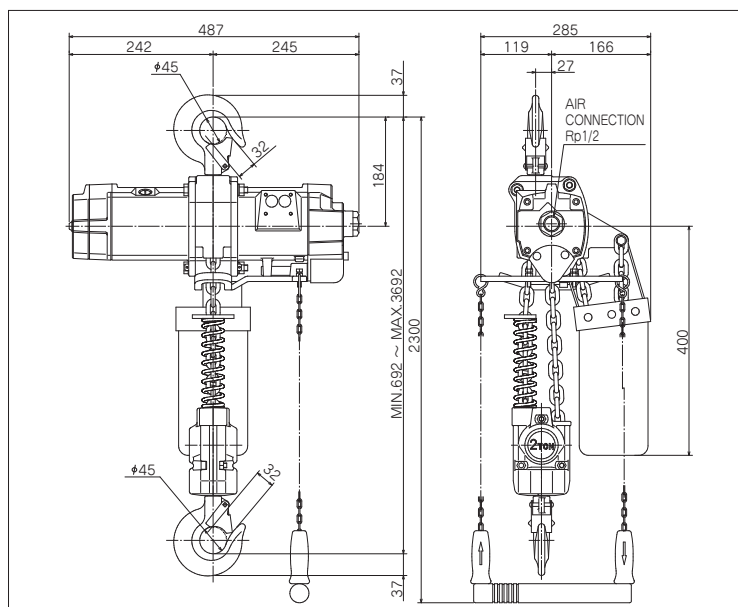
(Note) The extension of control tube is available up to 6m (total 8m length).

Note

1. Install a filter and lubricator to the hoist as close as possible.
2. Application; Indoor -10°C~+50°C (Temperature)

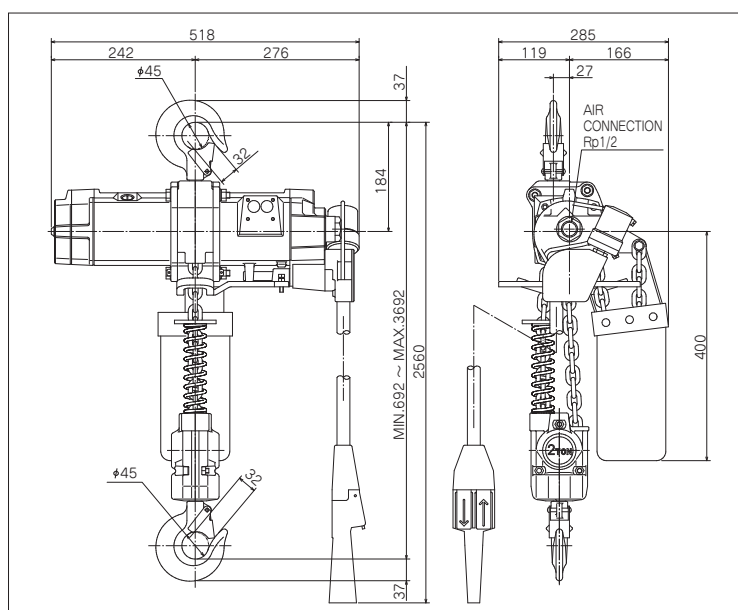
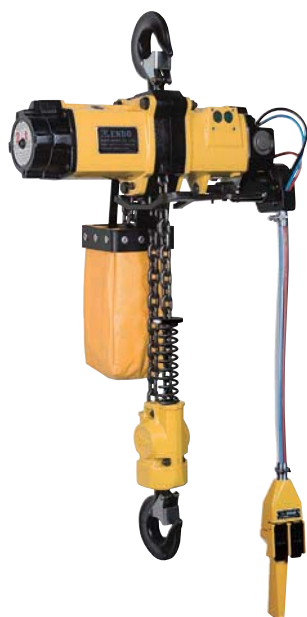
EHL-2TW

EHL-2TW



*The length of control chain is 2m.

EHL-2TW PCS-2



*The Length of control tube is 2m.

FUNCTION



Chain type



Pendant control switch (on request)



Emergency stop button (on request)



Chain extension (on request)



Air motor trolley (on request)



Overload protector (on request)

Model	Rated load (t)	Stroke (m)	Air pressure MPa {kgf/cm ² }	Lifting speed m/min	Air consumption m ³ /min (normal)	Chain size × fall	Air inlet	Mass (kg)
EHL-2TW	2	3	0.4 {4}	2.0	1.0	7.1×2	Rp 1/2	42.0
EHL-2TW PCS-2			0.5 {5}	2.6	1.4			44.0
			0.6 {6}	3.0	1.8			

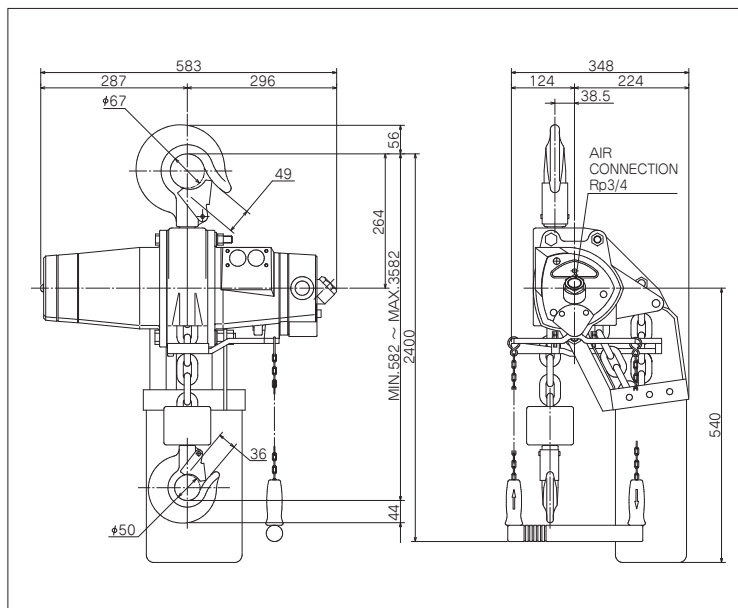
Note) The extension of control tube is available up to 6m (total 8m length).

Note

1. Install a filter and lubricator to the hoist as close as possible.
2. Application; Indoor -10°C~+50°C (Temperature)

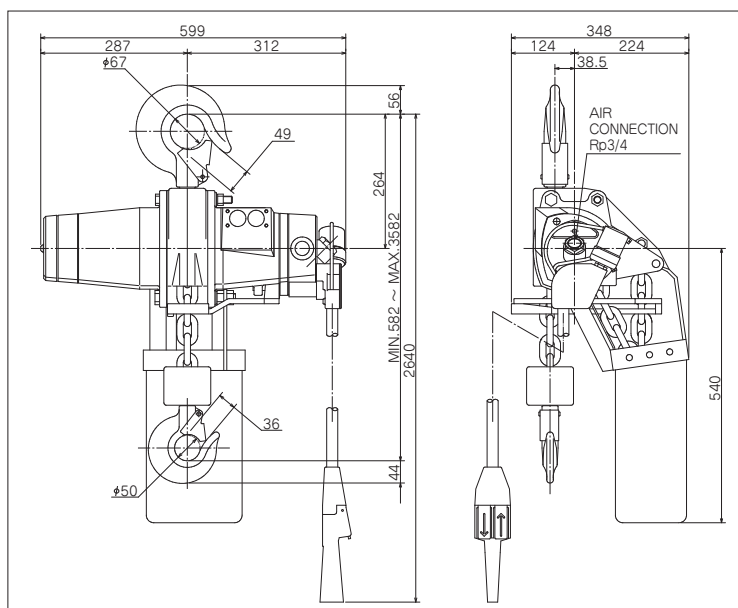
EHL-3TS

EHL-3TS



*The length of control chain is 2m.

EHL-3TS PCS-2



*The Length of control tube is 2m.

FUNCTION



Chain type



Pendant control switch (on request)



Emergency stop button (on request)



Chain extension (on request)



Air motor trolley (on request)



Overload protector (on request)

Model	Rated load (t)	Stroke (m)	Air pressure MPa {kgf/cm ² }	Lifting speed m/min	Air consumption m ³ /min (normal)	Chain size × fall	Air inlet	Mass (kg)
EHL-3TS	3	3	0.4 {4}	2.0	1.75	12.5×1	Rp 3/4	79.0
EHL-3TS PCS-2			0.5 {5}	2.6	2.47			81.0
			0.6 {6}	3.0	3.14			

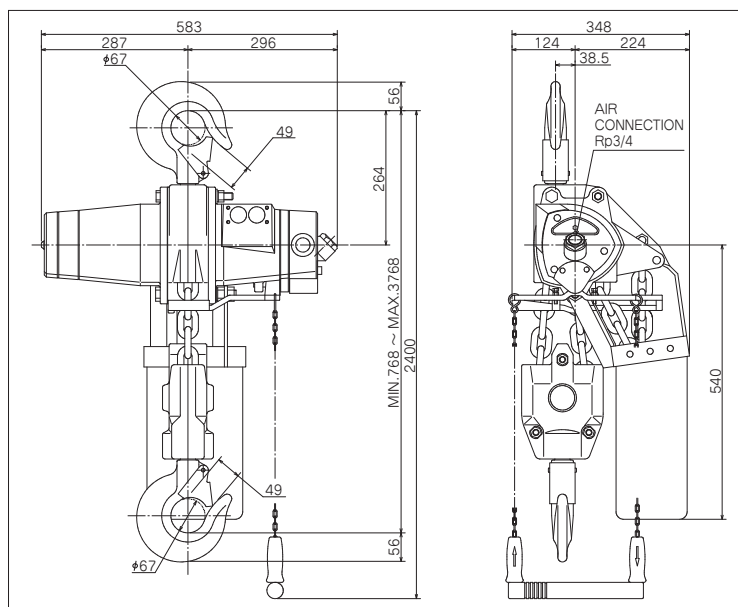
Note) The extension of control tube is available up to 6m (total 8m length).

Note

1. Install a filter and lubricator to the hoist as close as possible.
2. Application; Indoor -10°C~+50°C (Temperature)

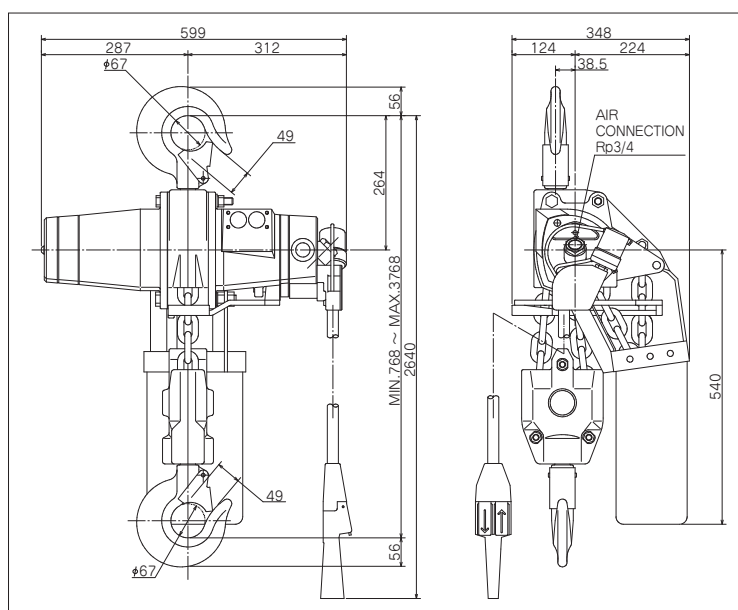
EHL-6TW

EHL-6TW



*The length of control chain is 2m.

EHL-6TW PCS-2



*The Length of control tube is 2m.

FUNCTION



Chain type



Pendant control switch (on request)



Emergency stop button (on request)



Chain extension (on request)



Air motor trolley (on request)



Overload protector (on request)

Model	Rated load (t)	Stroke (m)	Air pressure MPa {kgf/cm ² }	Lifting speed m/min	Air consumption m ³ /min (normal)	Chain size × fall	Air inlet	Mass (kg)
EHL-6TW	6	3	0.4 {4}	1.0	1.75	12.5×2	Rp 3/4	101.0
EHL-6TW PCS-2			0.5 {5}	1.3	2.47			103.0
			0.6 {6}	1.5	3.14			

Note) The extension of control tube is available up to 6m (total 8m length).

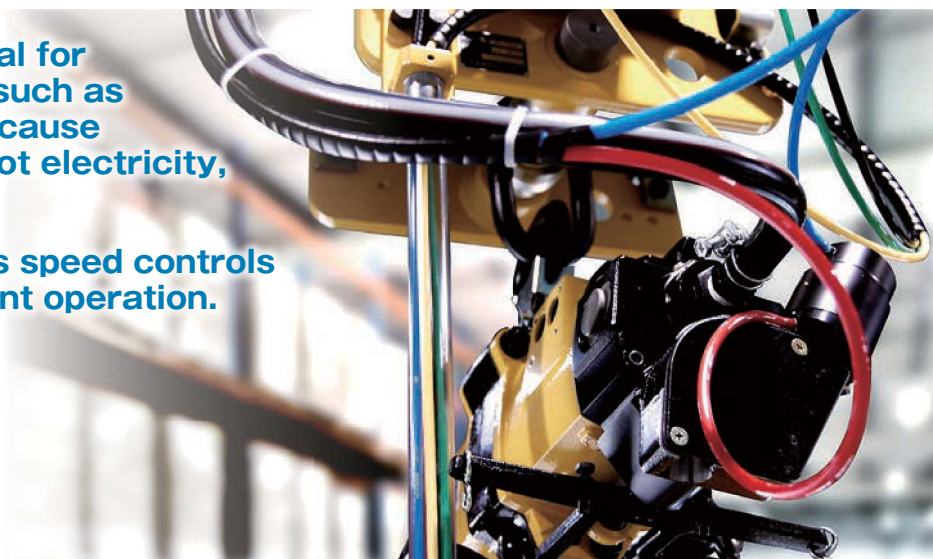
Note

1. Install a filter and lubricator to the hoist as close as possible.
2. Application; Indoor -10°C~+50°C (Temperature)

Air motor trolley - MTH series

ENDO trolleys are ideal for hazardous locations, such as a chemical factory because the power source is not electricity, but compressed air.

The unit uses stepless speed controls for precise and efficient operation.



EHL-1TS
with MTH-2T-5
PCS-42

Pendant control switch

Model	Air motor trolley	Mass (kg)
PCS-41	MTH-1T-5+EHL-025TS/05TS/1TW	3.2
PCS-41BV	MTH-1T-5+EHL-025TS/05TS/1TW EHV25SP/49SP/50SP/100WP	3.7
PCS-42	MTH-2T-5+EHL-1TS/2TW, MTH-6.3T+EHL-3TS/6TW	3.6
PCS-42BV	MTH-2T-5+EHL-1TS/2TW, MTH-6.3T+EHL-3TS/6TW	4.4

Note) "BV" indicates "Emergency stop button equipped".

*The extension of control tube is available up to 5.6m (total 8m length).

Specification

Model	Rated load (t)	Air pressure MPa {kgf/cm²}	Travelling speed m/min	Air consumption m³/min (normal)	Available rail width (mm)	Min.radius for curve (mm)	Air inlet	Mass (kg)
MTH-1T-5	1	0.4 {4}	20	0.55	75	3500	Rc 1/2	35.0
		0.5 {5}	25	0.6	100 · 125	800		
		0.6 {6}	28	0.65				
MTH-2T-5	2	0.4 {4}	16	1.05	125 · 150	1000	Rc 1/2	63.0
		0.5 {5}	17	1.3				
		0.6 {6}	18	1.6				
MTH-6.3T	6.3	0.4 {4}	17	1.05	150·175·190	2500	Rc 3/4	127.0
		0.5 {5}	18	1.3				
		0.6 {6}	19	1.6				

Note) Four push buttons control (4 directions) is available as well as two push buttons control (2 directions). It depends on the customer request. Low head room application is available on request.

Corresponding Table - Air hoist / Air motor trolley -

Model	EHL-025TS	EHL-05TS	EHL-098TW	EHL-1TW	EHL-1TS	EHL-2TW	EHL-3TS	EHL-6TW	EHV25SP	EHV49SP	EHV50SP	EHV100WP
MTH-1T-5	○	○	○	○					○	○	○	○
MTH-2T-5					○	○						
MTH-6.3T							○	○				

MTH-1T-5 PCS-41

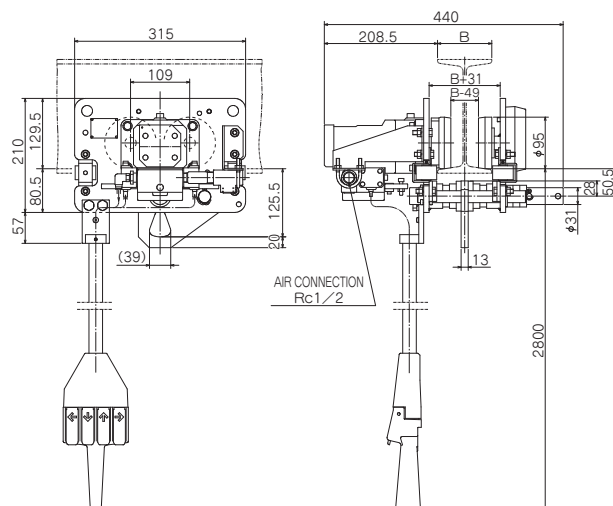
FUNCTION



4 directions
pendant control
PCS-41
PCS-41BV



Emergency
stop button
(on request)



*The Length of control tube is 2.4m.

MTH-2T-5 PCS-42

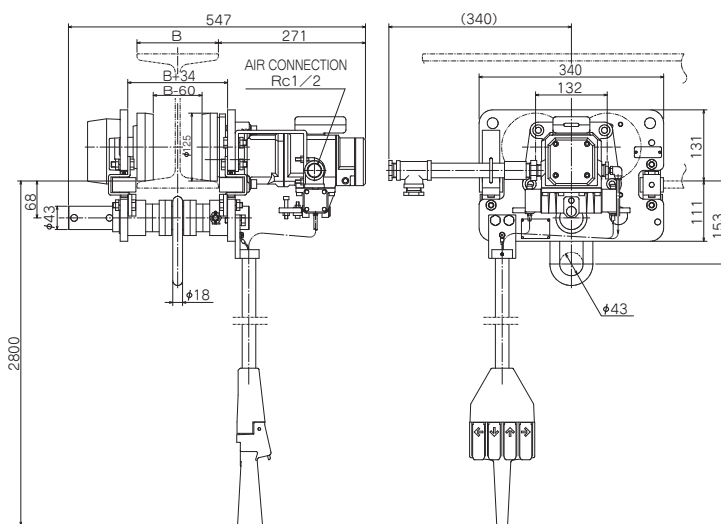
FUNCTION



4 directions
pendant control
PCS-42
PCS-42BV



Emergency
stop button
(on request)



*The Length of control tube is 2.4m.

MTH-6.3T PCS-42

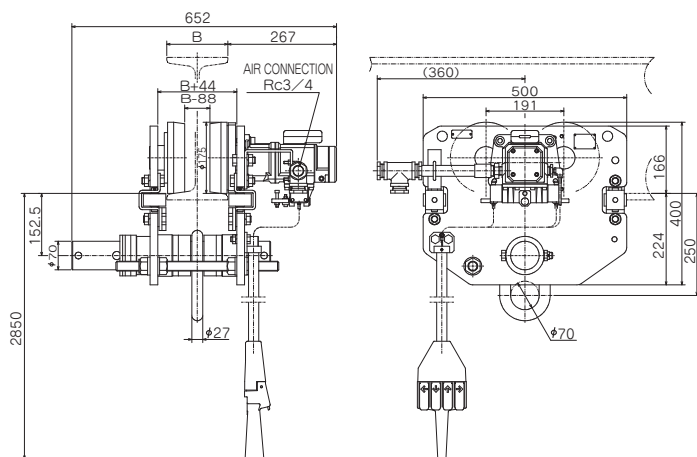
FUNCTION



4 directions
pendant control
PCS-42
PCS-42BV



Emergency
stop button
(on request)



*The Length of control tube is 2.4m.

Note

1. Install a filter and lubricator to the hoist as close as possible.
2. Application; Indoor -10°C~+50°C (Temperature)

Accessories

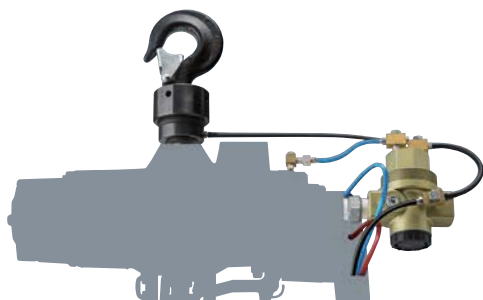
Cleaner set



This device is available for eliminating noisy volume and gathering the exhausted oil from the exhaust hole. The device contributes to clean environment.

Parts Number	Air hoist			Mass (kg)
LHP001343	EHL-025TS	EHL-049TS	EHL-05TS	1.0
	EHL-1TW	EHV25SP	EHV49SP	
	EHV50SP	EHV100WP		
LHP001388	EHL-1TS	EHL-2TW		1.0
LHP001389	EHL-3TS	EHL-6TW		1.6

Overload protector



This device stops the operation automatically when it exceeds the rated load.

Air hoist		Mass (kg)
EHL-05TS	EHV50SP	2.0
EHL-1TW	EHV100WP	2.2
EHL-1TS		6.2
EHL-2TW		6.2
EHL-3TS		22.0
EHL-6TW		22.0

Pendant control switch PCS-1 / PCS-2

Optional pendant controls are available to replace the standard pull rope.

Model	Air hoist		Mass (kg)
PCS-1	EHL-025TS	EHL-049TS	2.3
	EHL-05TS	EHL-1TW	
PCS-2	EHL-1TS	EHL-2TW	2.7
	EHL-3TS	EHL-6TW	
PCS-2BV1	EHL-1TS	EHL-2TW	3.2
PCS-2BV2	EHL-3TS	EHL-6TW	3.5



PCS-1/2



PCS-2BV1/2BV2



(Emergency stop button and shut-off valve equipped)

Note) 1. Max. control tube extension is up to 6m (total length of hose must be less than 8m).

2. EHV has the pendant control switch including emergency stop button as standard.

Options

Stainless steel load chain

Due to the lower breaking load of the stainless steel chain, the loading capacity of EHL-1TS and 2TW would be reduced to 80% of the rated capacity. For 3 tons and 6 tons hoist, no stainless chain is available.

Chain buckets

ENDO supplies a chain bucket for the undermentioned chain lengths.

Model / chain lengths	6m	10m	12m	20m
AT-60K / AT-125K	○		△	△
EHL-025TS / EHL-05TS / EHL-1TW	○		△	△
EHV25SP / EHV49SP / EHV50SP / EHV100WP	○		△	△
EHL-1TS / EHL-2TW	○		△	△
EHL-3TS / EHL-6TW	○	△		

Note) 1. ○ mark means a standard bucket.

2. △ mark means an optional bucket.

3. When you need the bucket capable of the other chain lengths, contact our distributors or ENDO.

Specification

Wire rope series EHW / AH

Model	Rated load (kg)	Stroke (m)	Air pressure MPa {kgf/cm ² }	Lifting speed m/min	Air consumption m ³ /min (normal)	Air inlet	Mass (kg)
EHW-60	60	1.9	0.4 {4}	18.5	0.55	R 3/8	9.2
			0.5 {5}	22.5	0.7		
			0.6 {6}	26.0	0.88		
EHW-60R	60	1.9	0.4 {4}	18.5	0.55	Rc 3/8	9.5
			0.5 {5}	22.5	0.7		
			0.6 {6}	26.0	0.88		
EHW-120	120	1.9	0.4 {4}	11.0	0.59	R 3/8	9.4
			0.5 {5}	13.5	0.75		
			0.6 {6}	16.0	0.93		
EHW-120R	120	1.9	0.4 {4}	11.0	0.59	Rc 3/8	9.7
			0.5 {5}	13.5	0.75		
			0.6 {6}	16.0	0.93		
AH-250R	160	2.5	0.4 {4}	9.0	0.75	Rc 1/2	18.2
	200		0.5 {5}	10.0	0.92		
	250		0.6 {6}	11.0	1.1		

(Note) Application; Indoor -10℃~+50℃(Temperature)

Load chain series AT / ATC / EHL / EHLK / EHV

Model	Rated load (t)	Stroke (m)	Air pressure MPa {kgf/cm ² }	Lifting speed m/min	Air consumption m ³ /min (normal)	Chain size×fall	Air inlet	Mass (kg)
AT-60K AT-60K-5	60kg	3	0.4 {4}	16.5	0.52	4.0×1	Rc 3/8	12.3 (13.0)
			0.5 {5}	20.0	0.67			
			0.6 {6}	23.5	0.85			
ATC-60K ATC-60K-5	60kg	2	0.4 {4}	14.0	0.52	4.0×1	Rc 3/8	14.3
			0.5 {5}	17.5	0.67			
			0.6 {6}	20.0	0.85			
AT-125K AT-125K-5	125kg	3	0.4 {4}	10.0	0.55	4.0×1	Rc 3/8	12.5 (13.2)
			0.5 {5}	12.0	0.71			
			0.6 {6}	14.5	0.9			
ATC-125K ATC-125K-5	125kg	2	0.4 {4}	6.5	0.42	4.0×1	Rc 3/8	14.5
			0.5 {5}	10.5	0.55			
			0.6 {6}	12.0	0.65			
EHL-025TS	250kg	3	0.4 {4}	12.0	0.9	6.3×1	Rp 1/2	20.0
			0.5 {5}	16.0	1.3			
			0.6 {6}	18.0	1.6			
EHL-049TS	490kg	3	0.4 {4}	7.5	0.95	6.3×1	Rp 1/2	20.0
			0.5 {5}	9.0	1.3			
			0.6 {6}	10.5	1.65			
EHL-05TS	500kg	3	0.4 {4}	7.5	0.95	6.3×1	Rp 1/2	20.0
			0.5 {5}	9.0	1.3			
			0.6 {6}	10.5	1.65			
EHL-1TW	1	3	0.4 {4}	3.7	0.95	6.3×2	Rp 1/2	26.0
			0.5 {5}	4.5	1.3			
			0.6 {6}	5.2	1.65			
EHL-1TS	1	3	0.4 {4}	4.0	1.0	7.1×1	Rp 1/2	34.0
			0.5 {5}	5.2	1.4			
			0.6 {6}	6.0	1.8			
EHL-2TW	2	3	0.4 {4}	2.0	1.0	7.1×2	Rp 1/2	42.0
			0.5 {5}	2.6	1.4			
			0.6 {6}	3.0	1.8			
EHL-3TS	3	3	0.4 {4}	2.0	1.75	12.5×1	Rp 3/4	79.0
			0.5 {5}	2.6	2.47			
			0.6 {6}	3.0	3.14			
EHL-6TW	6	3	0.4 {4}	1.0	1.75	12.5×2	Rp 3/4	101.0
			0.5 {5}	1.3	2.47			
			0.6 {6}	1.5	3.14			
EHLK-1TS	1	3	0.4 {4}	3.3	1.3	7.1×1	Rp 1/2	38.0
			0.5 {5}	4.3	1.4			
			0.6 {6}	5.3	1.5			
EHLK-2TW	2	3	0.4 {4}	1.6	1.3	7.1×2	Rp 1/2	46.0
			0.5 {5}	2.1	1.4			
			0.6 {6}	2.6	1.5			
EHV25SP	250kg	3	0.4 {4}	12.0	0.9	6.3×1	Rp 1/2	23.0
			0.5 {5}	16.0	1.3			
			0.6 {6}	18.0	1.6			
EHV49SP	490kg	3	0.4 {4}	7.5	0.95	6.3×1	Rp 1/2	23.0
			0.5 {5}	9.0	1.3			
			0.6 {6}	10.5	1.65			
EHV50SP	500kg	3	0.4 {4}	7.5	0.95	6.3×1	Rp 1/2	23.0
			0.5 {5}	9.0	1.3			
			0.6 {6}	10.5	1.65			
EHV100WP	1	3	0.4 {4}	3.7	0.95	6.3×2	Rp 1/2	29.0
			0.5 {5}	4.5	1.3			
			0.6 {6}	5.2	1.65			

(Note) ENDO air hoists are available for only indoor, with temperature of -10℃~+50℃. The figures () indicate AT-60K-5 and AT-125K-5.