

## Challenger Air Hoist & Trolley

The Challenger Air Series hoist and trolley combination are constructed from high grade material and are the perfect duo in terms of price and value. The Air Series is the first of it's kind for the Challenger brand, and offers a cost effective pneumatic solution to a wide range of industries.



## Features:

- Sensitive variable speed control for precise positioning of the load
- Operating pressure between 4 and 6 bar
- Pre-prepared to suit both cord or pendant control
- Heavy duty control pendant and control hose standard
- 100% duty cycle
- Upper & lower limit switches
- Two overload limiter devices for extra safety - a
- Mechanical Clutch type & a Main Air Supply Shut-off valve type
- High strength FCD cast-iron housing ensures shock, impact and corrosion resistance
- Low air consumption

The information shown is to be used as a guide only. Specifications are subject to change without notice. All materials handling or lifting jobs should be assessed individually. Pacific Hoists products are NOT to be used for lifting or lowering persons.

## Trolley Specifications

Model	CAT100	CAT200
Capacity (kg)	1000	2000
Motor (kw)	0.2	0.2
Air Supply Pressure (kg/cm <sup>2</sup> )	6	6
Traversing (m/min)	20	20
Brake Type	Disk Type Brake	Disk Type Brake
Air Inlet (in)	5/16"	5/16"

## Hoist Specifications

Model	CAH025	CAH050	CAH100	CAH200
Capacity (kg)	250	500	1000	2000
Fall no.	1	1	1	2
Load chain (mm)	Ø 6.3 x 19.1	Ø 6.3 x 19.1	Ø 7.1 x 20.2	Ø 7.1 x 20.2
Standard Lift (m)	3	3	3	3
Classification	FEM 2m (ISO M5)	FEM 2m (ISO M5)	FEM 2m (ISO M5)	FEM 2m (ISO M5)
Working Air Supply Pressure	4-6 bar	4-6 bar	4-6 bar	4-6 bar
Motor (kw) - 6 bar	1.5	1.5	2	2
Motor (kw) - 4 bar	0.8	0.8	1.0	1.0
Loading lifting speed (m/min) - 6 bar	18	11	7.6	3.8
Loaded lifting speed (m/min) - 4 bar	8	5	3.4	1.7
Air Consumption (m <sup>3</sup> /min) - 6 bar	2	2	2	2
Air Consumption (m <sup>3</sup> /min) - 4 bar	1	1	1	1
Brake Type	Disk Type Brake	Disk Type Brake	Disk Type Brake	Disk Type Brake
Limit Switch	Upper/Lower Limit	Upper/Lower Limit	Upper/Lower Limit	Upper/Lower Limit
Air Inlet (in)	1/2"	1/2"	1/2"	1/2"
Level of noise (dB) - Load	85	85	85	85
Level of noise (dB) - No Load	82	82	82	82
Main Line Air Supply (in)	3/4"	3/4"	3/4"	3/4"

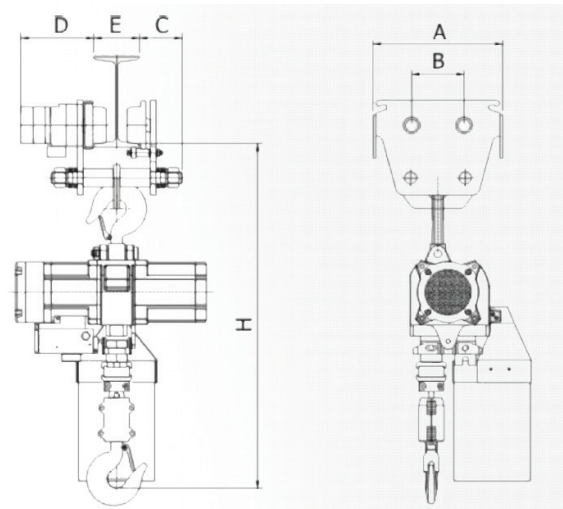
\*PROFI Range available up to 100 tonne.

\*\*Chain buckets, longer lift heights and alternative controllers available at additional cost.

\*\*\*Weight and headroom based on PROFIT standard model with rope control and no chain bucket.

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## Dimensions (in mm)



Model	CAH100 + CAT100	CAH200 + CAT200
Capacity (kg)	1000	2000
Dimensions (mm)		
H	645.5	785.5
A	294	322
B	116	135
C	95	100
D	208	209.5
E	75 - 125	100 - 150

## Hoist Specifications

Model	CAH025	CAH050	CAH100	CAH200
H	535	535	540	760
A	371	402	460	460
B	197	228	255	255
C	174	174	205	205
D	244	244	251	319
E	70	70	65	73
F	174	174	186	246
I	40	40	40	46
J	32	32	32	40
K	40	40	40	46
L	32	32	32	40
N.W. (kg)	32	36	51	60

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