

# JDN BIG BAG HANDLING AIR HOISTS

## BBH 1000 and BBH 2000

For big bag handling applications, J.D. Neuhaus offers innovative system solutions and thus meet the special requirements of this range of use.

**JDN Big Bag Handling Air Hoists** are available at carrying capacities of 1000 kg and 2000 kg with an air pressure of 85 PSI.

### Designs with one or two load hooks

- With one load hook for cross beams. The large distance between the hook and the chain box is particularly advantageous.
- With two load hooks for more complex multi-point cross beams or simple rod cross beams with two means of suspension.

## THE ADVANTAGES AT A GLANCE

- Particularly suited for use as big bag handling hoists and for the movement of all kinds of bulky loads due to the extreme low construction height.
- Compact, modern design.
- Usable as synchronised hoist in two-hook design.
- Very economical and reliable due to the use of proven JDN serial components.
- No additional motor lubrication required.
- Fewer parts for operation free of maintenance and wear.
- Chain box included in standard equipment.
- Adjustable to various I-profiles; customized hook distance.

### Take advantages of compressed air as the driving medium:

- Suited for standard use in areas at risk of explosion. Explosion protection classification according to Directive 94/9/EG (Equipment and protective systems intended for use in potentially explosive areas (ATEX)). The hoists are available for the following explosion protection classifications:

⊠ II 2 GD IIA T4(X) / II 3 GD IIB T4(X),

⊠ II 2 GD IIB T4(X) or II 2 GD IIC T4(X).

- 100 % duty rating, and thus no downtimes.

## TECHNICAL DATA

Type		BBH 1000-1	BBH 2000-1
Number of hooks		1	
Air pressure	PSI Bar	85 6	
Carrying capacity	t	1	2
Number of chain strands		1	2
Engine output hoist	kW	1	
Engine output trolley	kW	0.2	
Lifting speed at full load	ft/min m/min	13.12 4	6.56 2
Lifting speed without load	ft/min m/min	29.53 9	14.76 4.5
Lowering speed at full load	ft/min m/min	32.81 10	16.40 5
Air consumption at full load – lifting	cfm m <sup>3</sup> /min	49.44 1.4	
Air consumption at full load – lowering	cfm m <sup>3</sup> /min	42.38 1.2	
Air consumption at full load – trolley	cfm m <sup>3</sup> /min	21.19 0.6	
Air connection		G <sup>1</sup> / <sub>2</sub>	
Hose dimension (Ø inside / Ø outside)	inch. mm	0.59/1.06 15/27	
Weight at standard lift and K min	lbs kg	286.60 130	302.03 137
Chain dimension	inch. mm	0.28 x 0.83 7 x 21	
Weight of 1 m chain	lbs kg	2.20 1	
Standard lift	ft m	10 3	
Length of control at standard load <sup>1</sup> – lift	ft m	6.5 2	
Sound level at full load <sup>1</sup> – lifting	dB(A)	76	
Sound level at full load <sup>1</sup> – lowering	dB(A)	78	
Sound level at full load <sup>1</sup> – trolley	dB(A)	80	

<sup>1</sup> Measured at 1 m distance acc. to DIN 45635 part 20

## DIMENSIONS

Type		BBH 1000-1	BBH 2000-1
A	inch. mm	14.17 360	
B	inch. mm	6.4/8.7 163/220	
b	min. inch. mm	3.54 90	
	max. inch. mm	12.20 310	
C	inch. mm	7.17 182	
D	inch. mm	8.94 227	
E	inch. mm	7.28 185	
F	inch. mm	3.74 95	
G	inch. mm	6.26 159	
H	inch. mm	15.3 388	16.77 426
J	inch. mm	7.56 192	8.66 220
K	min. inch. mm	17.13 435	16.14 410
	max. inch. mm	43.31 1100	
L	inch. mm	– –	
M	inch. mm	1.10 28	1.18 30
N	inch. mm	9.84 250	
P	inch. mm	2.76 70	
R	inch. mm	4.57 116	
t	max. inch. mm	1.18 30	

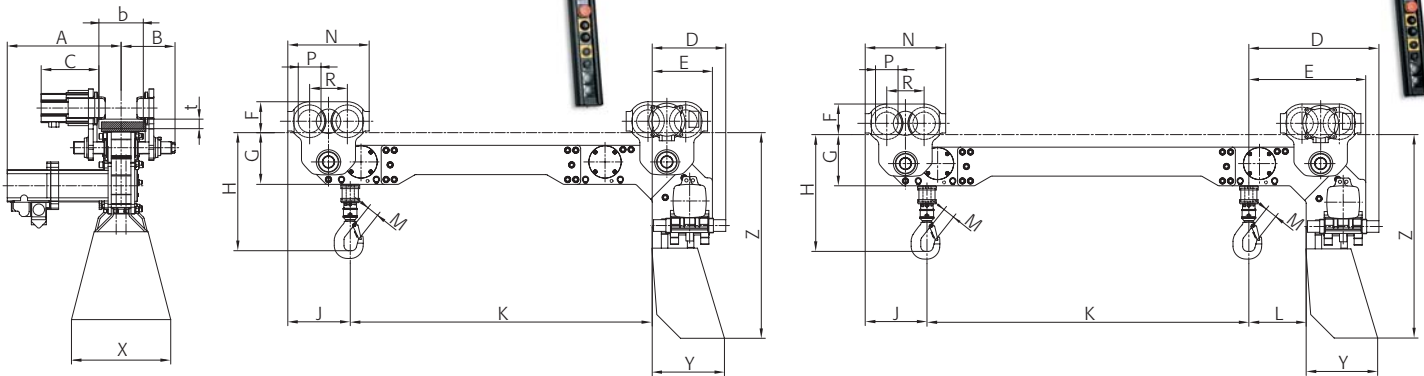




BBH 1000-1



BBH 1000-2



**DIMENSIONS**

**TECHNICAL DATA**

Type		BBH 1000-2	BBH 2000-2
Number of hooks			2
Air pressure	PSI Bar		85 6
Carrying capacity	t	1	2
Number of chain strands		2	4
Engine output hoist	kW		1
Engine output trolley	kW		0.2
Lifting speed at full load	ft/min m/min	13.12 4	6.56 2
Lifting speed without load	ft/min m/min	29.53 9	14.76 4.5
Lowering speed at full load	ft/min m/min	32.81 10	16.40 5
Air consumption at full load – lifting	cfm m <sup>3</sup> /min		49.44 1.4
Air consumption at full load – lowering	cfm m <sup>3</sup> /min		42.38 1.2
Air consumption at full load – trolley	cfm m <sup>3</sup> /min		21.19 0.6
Air connection			G <sup>1</sup> / <sub>2</sub>
Hose dimension (∅ inside / ∅ outside)	inch. mm		0.59/1.06 15/27
Weight at standard lift and K min	lbs kg	302.03 137	328.49 149
Chain dimension	inch. mm		0.28 x 0.83 7 x 21
Weight of 1 m chain	lbs kg	2.20 1	
Standard lift	ft m	10 3	
Length of control at standard load <sup>1</sup> – lift	ft m	6.5 2	
Sound level at full load <sup>1</sup> – lifting	dB(A)	76	
Sound level at full load <sup>1</sup> – lowering	dB(A)	78	
Sound level at full load <sup>1</sup> – trolley	dB(A)	80	

Type		BBH 1000-2	BBH 2000-2
A	inch. mm		14.17 360
B	inch. mm		6.4/8.7 163/220
b	min. inch. mm		3.54 90
	max. inch. mm		12.20 310
C	inch. mm		7.17 182
D	inch. mm	15.94 405	14.9 378
E	inch. mm	14.29 363	13.2 336
F	inch. mm		3.74 95
G	inch. mm		6.26 159
H	inch. mm	15.3 388	16.77 426
J	inch. mm	7.56 192	8.66 220
K	min. inch. mm		10.24 260
	max. inch. mm		51.18 1300
L	inch. mm	6.89 175	5.91 150
M	inch. mm	1.10 28	1.18 30
N	inch. mm		9.84 250
P	inch. mm		2.76 70
R	inch. mm		4.57 116
t	max. inch. mm		1.18 30

<sup>1</sup> Measured at 1 m distance acc. to DIN 45635 part 20

