

JDN BIG BAG HANDLING AIR HOISTS

BBH 1000 and BBH 2000

JDN BIG BAG HANDLING AIR HOISTS

- For big bag handling J.D. Neuhaus offers innovative design solutions to meet the special requirements of these applications.
- **JDN Big Bag Handling Air Hoists** are available in carrying capacities of 1000 kg and 2000 kg with an air pressure of 6 bar.

DESIGNS WITH ONE OR TWO LOAD HOOKS

- With one load hook for standard cruciform lifting beam designs. The extended distance between the hook and the chain box is particularly advantageous. This guarantees that there is no risk of collision between the load and the chain box.
- With twin load hooks for more complex cruciform lifting beam designs or for standard lifting beam designs with two suspension points.

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 low headroom design.
- Compact, modern design.
- Suitable for use as a synchronised hoist in twin-hook design.
- The use of JDN standard components guarantees reliable operation and cost effective manufacture.
- No additional motor lubrication required.
- Small number of maintenance/wear free moving parts.
- Chain box included as standard.
- Suitable for a wide variety of beam sizes/profiles, with hook centres to suit your requirements.

Take advantage of compressed air as the driving medium:

- Suitable for use as standard 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	mt	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 ³ /min	49.44 1.4	
Air consumption at full load – lowering	cfm m ³ /min	42.38 1.2	
Air consumption at full load – trolley	cfm m ³ /min	21.19 0.6	
Air connection		G ¹ / ₂	
Hose dimension (Ø inside)	inch. mm	0.59 15	
Weight at standard lift and minimum k dimension	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 ¹ – lift	ft m	6.5 2	
Noise level at full load ¹ – lifting	dB(A)	76	
Noise level at full load ¹ – lowering	dB(A)	78	
Noise level at full load ¹ – trolley	dB(A)	80	
Group mechanism: M4 (1 Am)			

¹ Measured at 1 m distance acc. to DIN 45635 part 20

DIMENSIONS

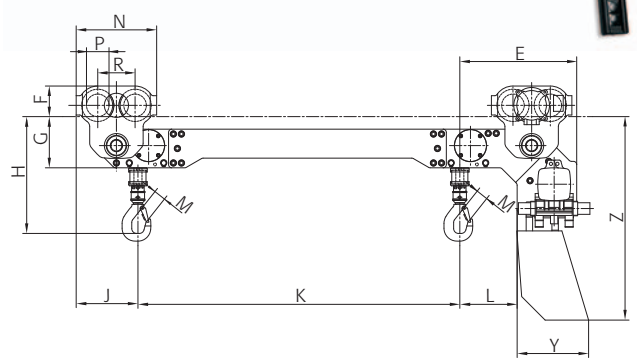
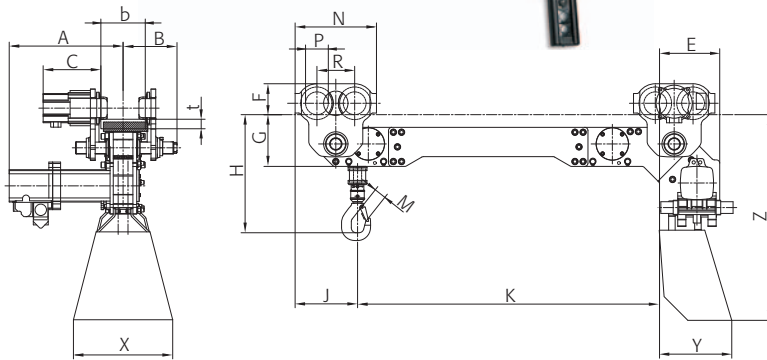
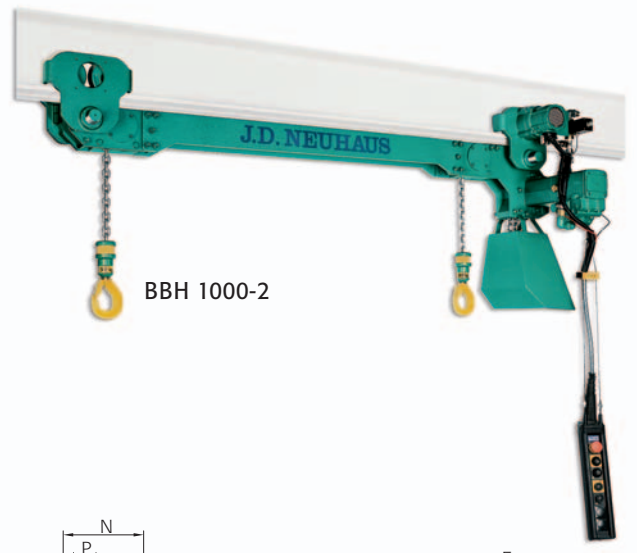
Type		BBH 1000-1	BBH 2000-1
A	inch. mm	13.07 332	
B	inch. mm	6.4/8.7 163/220	
b	min. inch. mm	3.54 90	
	max. inch. mm	12.20 310	
C	inch. mm	7.17 182	
E	inch. mm	7.68 195	
F	inch. mm	7.68 195	
G	inch. mm	6.26 159	
H	inch. mm	15.3 388	16.85 428
	J	inch. mm	7.56 192
K	min. inch. mm	17.13 435	16.14 410
	max. inch. mm	43.31 1100	
L	inch. mm	– –	
M	inch. mm	1.10 28	1.10 28
	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



TECHNICAL DATA

Type		BBH 1000-2	BBH 2000-2
Number of hooks		2	2
Air pressure	PSI bar	85 6	85 6
Carrying capacity	mt	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 ³ /min	49.44 1.4	49.44 1.4
Air consumption at full load – lowering	cfm m ³ /min	42.38 1.2	42.38 1.2
Air consumption at full load – trolley	cfm m ³ /min	21.19 0.6	21.19 0.6
Air connection			G ¹ / ₂
Hose dimension (Ø inside)	inch. mm	0.59 15	0.59 15
Weight at standard lift and minimum k dimension	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 ¹ – lift	ft m	6.5 2	
Noise level at full load ¹ – lifting	dB(A)	76	
Noise level at full load ¹ – lowering	dB(A)	78	
Noise level at full load ¹ – trolley	dB(A)	80	

DIMENSIONS

Type		BBH 1000-2	BBH 2000-2
A	inch. mm	13.07 332	13.07 332
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	
E	inch. mm	14.69 373	13.62 346
F	inch. mm	3.74 95	
G	inch. mm	6.26 159	
H	inch. mm	15.3 388	17.24 438
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	1.10 28
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	

Group mechanism: M4 (1 Am)

¹ Measured at 1 m distance acc. to DIN 45635 part 20

