AIR HOISTS

THE JDN MINI

Efficient - Lightweight - Loadable
The benchmark in lifting technology

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J·D·NEUHAUS
1745
permanent excellence

JOINTLY DEVELOPED WITH THE CUSTOMER

How must an optimal hoist function? We asked many of our customers this question during the development of the JDN Mini and thereby went completely new ways.

The result of this extraordinary development process is completely geared to the needs of our customers: the benchmark in lifting technology – the JDN Mini.

It is the most compact hoist with a load capacity of up to 980 kg. And thanks to an integrated NFC tag with service app, it is unique in the industry.

To make the JDN Mini what we believe to be the best hoist on the market, we tested a wide range of industry-specific operating conditions on site and discussed them in detail with operators. An invaluable, comprehensive knowledge with which the JD Neuhaus engineers have entered the development process.

The JDN Mini offers maximum productivity, work safety and economy.

The operation of the JDN Mini is precise and comfortable. The precision valves and extremely fine dosing of the compressed air supply ensure sensitive positioning of the load.

The JDN Mini has one of the smartest innovations for the "maintenance" area: an NFC tag has been integrated into the service flap. Via this tag and with the help of the JDN Service app, the customer now has direct access to the most important documents via smartphone and can carry out many maintenance tasks on the JDN Mini "on the hook" – an enormous time saving and a contribution to even more work safety.

From productivity to ease of use and maintenance: we keep our promise of "Permanent Excellence".

J.D. NEUHAUS – MORE THAN PRODUCTS

The permanent excellence that we have demanded of ourselves for over 275 years as a family business now in its seventh generation, can only be achieved with a commitment to clear values.

The three pairs of values of tradition and innovation, performance and durability, and partnership and passion form the cornerstone for our daily conduct. They shape our partnership with the people who work for us as well as with our partners and clients. They can be found in the quality and the German engineering of our products and in the way we work with you and find new solutions thanks to our innovative spirit.

Our thinking is therefore pervaded by sustainability, which we believe our tomorrow deserves and needs.

PRODUCT BENEFITS AND ADVANTAGES IN THE PRACTICE

In all industries where our hoists are used, safety is the top priority. The JDN Mini stands for a clear plus in safety. The limit switches offer an important safety feature: They switch off the lifting and lowering movements as soon as the puffer touches the shut-off valve, thus braking the chain and preventing an overload.

Due to its smart design, the service life of the JDN Mini has been doubled and is now 800 hours. This means a significantly higher efficiency than the previous model. An important contribution to lowering the Total Cost of Ownership (TCO).

At the same time, the JDN Mini offers 20 % more speed than its predecessor – even in continuous operation and with infinitely variable maximum speed. More productivity is really not possible.

Thanks to its most innovative new feature - an NFC tag integrated into the service cover - maintenance work such as replacing the chain guide and even the motor unit can now be carried out on the JDN Mini "on the hook". The result is drastically reduced downtimes during maintenance. The absolute reliability of the JDN Mini fits in well with this: even with fluctuations in compressed air, the pneumatically operated JDN Mini delivers its performance constantly, quickly and precisely. A model of reliability for 24/7 use.

And finally, the JDN Mini can be configured to fit exactly and offers a standardised "interface" for different hook variants - optionally made of steel or stainless steel. Together with the load sleeve and chain made of stainless steel and the motor housing made of uncoated cast aluminium, this means: maximum flexibility for use in a wide range of industries.

24/7 AVAILABLE

100 % ready for use

PRODUCTIVE

due to double service life

RELIABLE

due to pneumatic drive

COST-EFFICIENT

due to smart servicing

FLEXIBLE

due to custom configuration

AIR HOISTS MINI

TECHNICAL DATA

TYPE	UNIT	MINI 125	MINI 250	MINI 500	MINI 1000
Carrying capacity	kg	125	250	500	980
Air pressure	bar	6	6	6	6
Number of chain strands		1	1	1	1
Engine power at full load	kW	0.45	0.45	1	1
Lifting speed with full load	m/min	20	10	12.5	6.3
Lifting speed without load	m/min	40	20	20	11.5
Lowering speed with full load	m/min	40	20	20	12
Lowering speed without load	m/min	25	12.5	13	7.5
Air consumption with full load – lifting	m^3/min	0.95	0.95	1.7	1.7
Air consumption with full load – lowering	m^3/min	0.95	0.95	1.7	1.7
Air connection		G ½	G ½	G ½	G ½
Hose size (ø interior)	mm	13	13	13	13
Weight for 3 m lift and 2 m control length	kg	10	10	20.5	21
Chain size	mm	4.7 x 14.1	4.7 x 14.1	7.4 x 22	7.4 x 22
Chain weight	kg/m	0.48	0.48	1.19	1.19
Lifting height	m	3/5/8	3/5/8	3/5/8	3/5/8
Control length	m	2/4/7*	2/4/7*	2/4/7*	2/4/7*
Noise level with full load – lifting[1]	dB (A)	78	78	78	78
Noise level with full load – lowering[1]	dB (A)	80	80	80	80
ATEX-Zone		2/22	2/22	2/22	2/22
Mechanism group/life cycle		1 Am/800	1 Am/800	1 Am/800	1 Am/800

**Special lengths up to max. 10 m on request.*

[1] Measured from 1 m distance in accordance with DIN 45635 Part 20. Power values at room temperature. Subject to change without notice.
The stated values refer to standard configurations (without accessories) and room conditions with a flow pressure of 5.8 bar before the hoist.

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