

INTEGRATED SYSTEMS

JDN EH MONO-RAIL HOISTS

Robust – Reliable – Customizable

J·D·NEUHAUS
1745
permanent excellence

CUSTOM MADE FOR YOUR APPLICATIONS

Introducing the JDN EH-Series – where unmatched performance and exceptional reliability meet ultimate safety. Engineered to thrive in the most demanding environments, the EH-Series is the definitive lifting solution for a wide range of applications.

Imagine a Monorail Hoist configuration precisely tailored to your needs, shaped by feedback from operators worldwide. The EH-Series delivers a 100% duty cycle thanks to its low-maintenance pneumatic or hydraulic motor systems, ensuring round-the-clock reliability. Designed for ATEX environments, it excels in potentially explosive atmospheres, including gas- or dust-filled areas. Customize your hoist with a variety of options, from specialized paints and hooks to load-eyes and system sizes, so it's perfectly suited to your operation. With its robust, proven design, the EH-Series withstands the harshest conditions, making it the first choice for safe, reliable lifting.

Our patented pneumatic drive system, featuring specially lubricated motor technology, ensures long-term safety and maximizes system uptime. Dust-protected ball bearings and a permanently lubricated planetary gear system keep maintenance requirements to a minimum.

For environments with extreme temperatures or areas requiring a different drive medium, the EH-Series can also be equipped with a robust hydraulic drive, making it also suitable for operation in extreme low temperatures, such as those found in Antarctica or Greenland.

For unique challenges, the EH-Series can be customized to meet your specific technical requirements, whether dealing with restricted working spaces, special movements or custom beam sizes. In environments affected by external forces like wind or waves, the EH-Series can be equipped with a rack and pinion drive, offering stability and safety even in dynamic conditions.

With the EH-Series, you get a Monorail Hoist that combines safety, power, and reliability to elevate your operations. Whether you face the challenges of explosive atmospheres or extreme weather, the EH-Series delivers consistent top-tier performance and availability.

And with JDN's global service network, you are always supported. J.D. Neuhaus ensures maximum performance, safety, and reliability at every step. This begins with the commissioning of the hoist and includes technical on-site consultations. Additionally, JDN provides full lifecycle support, backed by JDN original spare parts.

Upgrade your equipment portfolio with the JDN EH-Series air hoist – the perfect combination of safety, reliability, and durability. Elevate your operations and partner with a brand that is committed to your success.

Choose the JDN EH-Series, choose **permanent excellence.**

J.D. NEUHAUS – MORE THAN PRODUCTS

As a family-run company in its seventh generation, our commitment to clear values helps us achieve the standard of **permanent excellence** that we have held ourselves since 1745.

The three value pairs of tradition and innovation, performance and longevity as well as partnership and passion create the foundation for our daily activities. They shape our partnership with the people who work for us, as well as with our partners and customers. They are found in the quality and German engineering of our products, and in the way we work with you and find new solutions thanks to our innovative spirit.

Our thinking and actions are guided by our vision: We are helping people to move loads in a sustainable digitized world.







APPLICATIONS – LIFTING IN VARIOUS INDUSTRIES

Renowned for its exceptional performance and reliability, the JDN EH-Series is the lifting solution of choice across a diverse range of industries.

In the Oil & Gas sector, the EH-Series plays a pivotal role in some of the most critical applications, such as handling the Blowout Preventer (BOP) during maintenance operations. Both onshore and offshore drillers worldwide rely on the EH-Series for its reliability and adaptability. Whether pneumatic or hydraulic-driven, it is indispensable for the heavy lifting demands of BOP maintenance, designed to endure the toughest environmental challenges like harsh weather, saltwater exposure, and explosive atmospheres. This robustness ensures safety and efficiency in one of the world's most challenging industries.

In the building materials industry, the EH-Series is the preferred hoist for maintaining heavy machinery, such as crusher rollers. These environments are often dusty and harsh, but the EH-Series is built to operate effectively under these conditions. It is also well-suited for working in confined spaces, providing a reliable lifting solution when space is limited.

The versatility of the EH-Series extends beyond just these sectors. Across the many industries it serves, the EH-Series is highly valued not only for its impressive lifting capacity of up to 125 metric tons, but also for its consistent reliability in demanding situations.

Experience the EH-Series — engineered for permanent excellence.

COST EFFICIENT

thanks to easy maintenance

NO DOWNTIME

100% availability

EXPLOSION SAFE

for use in harzadous areas

CUSTOMIZABLE

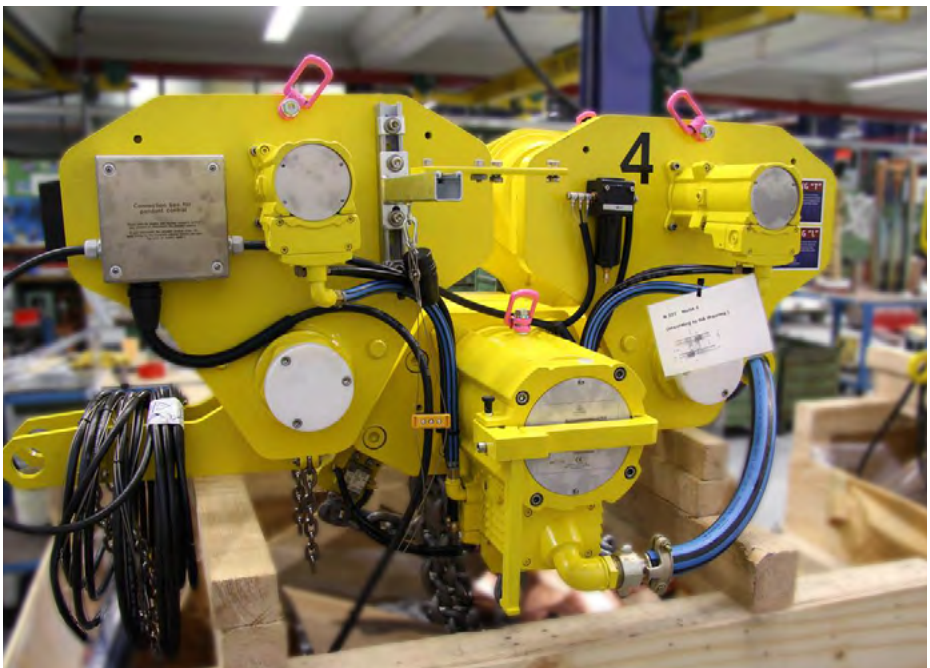
for your requirements

TECHNICAL DATA

EH 10 TO EH 60

TYPE		EH 10	EH 16	EH 20	EH 25	EH 30	EH 37	EH 40	EH 50	EH 60
Capacity	t	10	16	20	25	30	37	40	50	60
Air pressure	psi bar	87 6								
Number of chain strands		2	3	4	2	2	3	3	4	4
Motor output trolley	kW	0.7			1.4					
Motor output hoist	kW	3.5			6.3					
Lifting speed at full load	ft/min m/min	5.3 1.6	3.3 1.0	2.3 0.7	3.9 1.2	3.3 1.0	2.5 0.75	2.3 0.7	1.8 0.55	1.5 0.45
Lifting speed without load	ft/min m/min	9.84 3.0	6.6 2.0	4.6 1.4	7.9 2.4		5.6 1.7		4.3 1.3	
Lowering speed at full load	ft/min m/min	9.19 2.8	6.23 1.9	4.59 1.4	9.2 2.8		6.6 2.0		4.9 1.5	
Travelling speed at full load	ft/min m/min	39.4 12								
Travelling speed without load	ft/min m/min	44.3 13.5								
Air consumption – trolley	cfm m³/min	46 1.3			92 2.6					
Air consumption – hoist lifting	cfm m³/min	141.5 4			229.6 6.5					
Air connection		G ¾			G 1 ½					
Hose dimension (Ø inside)	inch mm	¾ 19			1½ 35					
Weight with standard lift	lbs kg	992.1 405	1267.7 575	1366.3 620	2205 1000		3307 1500		3638 1650	
Chain dimension	mm	16x45			23,5x66					
Weight of chain	lbs/ft kg/m	3.9 5.8			8.2 12.2					
Standard lift	ft m	10 3								
Length of control at standard lift	ft m	6.5 2								
Noise level at full load with standard silencer – lifting [1]	dB(A)	78		80	78					
Noise level at full load with standard silencer – lowering [1]	dB(A)	80		84	82					

[1] Measured at 1 m distance acc. to DIN 45635 part 20,
Group mechanism: EH 10, EH 16, EH 20, EH 25, EH 37, EH 50: M3 (1 Bm), EH 30, EH 40, EH 60: M2 (1 Cm)
4 bar versions on request





EH 75 TO EH 100

Two versions, for each of the 75 and 100 tonne lifting capacity products in the EH range are now available in both double trolley as well as the previously available 4 trolley traverse drive versions. The new twin trolley drive versions, which offer more compact units for operation where limited space is available, are designated as EH 75C and EH 100C.

TYPE		EH 75	EH 100	EH 75 C	EH 100 C
Capacity	t	75	100	75	100
Air pressure	psi bar	87 6			
Number of trolleys		4		2	
Number of chain strands		3	4	3	4
Motor output trolley	kW	2.8		1.4	2.8
Motor output hoist	kW	9			
Lifting speed at full load	ft/min m/min	1.7 0.53	1.3 0.4	1.7 0.53	1.3 0.4
Lifting speed without load	ft/min m/min	4.1 1.25	3.0 0.9	4.1 1.25	3.0 0.9
Lowering speed at full load	ft/min m/min	4.1 1.25	3.0 0.9	4.1 1.25	3.0 0.9
Travelling speed at full load	ft/min m/min	23 7			
Travelling speed without load	ft/min m/min	26.3 8			
Air consumption – trolley	cfm m^3/min	184 5.2		92 2.6	184 5.2
Air consumption – hoist lifting (lifting)	cfm m^3/min	268 7.6			
Air consumption – hoist lifting (lowering)	cfm m^3/min	283 8.0			
Air connection		G 1 ½			
Hose dimension (Ø inside)	inch mm	1½ 35			
Weight with standard lift	lbs kg	8267 3750	11244 5100	7496 3400	10472 4750
Chain dimension	mm	32x90			
Weight of chain	lbs/ft kg/m	14.3 21.3			
Standard lift	ft m	10 3			
Length of control at standard lift	ft m	6.5 2			
Noise level at full load with standard silencer – lifting [1]	dB(A)	77			
Noise level at full load with standard silencer – lowering [1]	dB(A)	83			

[1] Measured at 1 m distance acc. to DIN 45635 part 20, Group mechanism: EH 75, EH 100: M3 (1 Bm)

SERVICE PARTNERSHIP AND DIALOGUE

For all of our customers in a variety of demanding industries and processes, the JDN EH series are synonymous with high performance, absolute reliability, maximum availability and minimum maintenance times – all with maximum safety.

Feedback from the market shows us how much our customers value the EH series as a reliable tool. However, to continue to develop our products for industries, sectors or special application areas, we remain in close dialogue with our customers. We would like to invite you to join this group. Perhaps you would also like advice on the application or customisation options for our EH series with a loadcarrying capacity of 10 to 100 t?

When you choose to install an EH-Series hoist, our JDN Project Management Team is with you every step of the way.
From concept to commissioning, and beyond. Our global project management approach is built on collaboration, transparency, and delivering tailor-made solutions that meet your unique needs. We work alongside you — taking care of every detail from initial design to delivery and offering continued aftermarket support.

J.D. Neuhaus Group

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Locations:
Germany – Headquarter
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