


AIR HOISTS

# JDN LOW HEADROOM TROLLEYS

Robust – Reliable – Low maintenance
The LMF Series is designed for areas where headroom is restricted.

J·D·NEUHAUS
1745
permanent excellence

# THE TROLLEY SOLUTION FOR RESTRICTED HEADROOM AREAS

Where headroom is restricted and standard trolleys can't meet the lifting height requirements we recommend JDN Low Headroom Trolleys whereby our air hoists are mounted horizontally. When only very low headroom is available we recommend JDN Ultra-Low Monorail Hoist design.

**STANDARD FEATURES**

- Small number of maintenance/ wear free moving parts
- No additional motor lubrication required
- 2-step travelling speed
- Adjustable trolley widths to suit your requirements

**SPECIAL FEATURES**

- Able to negotiate curves
- Extended trolley tie bars for bulky or elongated loads



Low Headroom Trolley LMF

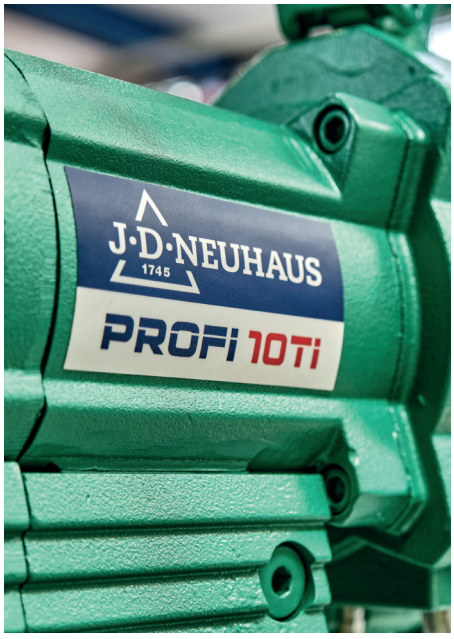


## J.D. NEUHAUS – MORE THAN PRODUCTS

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 to for over 275 years.

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 is guided by sustainability, which we believe our future urgently needs and, of course, deserves.



# TECHNICAL DATA

| HOIST TYPE | | PROFI 05 TI | PROFI 1 TI | PROFI 2 TI | PROFI 3 TI | PROFI 6 TI |
|---|---|---|---|---|---|---|
| TROLLEY TYPE | | LMF 05-2 T | LMF 05-2 T | LMF 05-2 T | LMF 3.2 T | LMF 6.3 T |
| Capacity | mt | 0.5 | 1 | 2 | 3.2 | 6.3 |
| Air pressure | psi | 87 | 87 | 87 | 87 | 87 |
| | bar | 6 | 6 | 6 | 6 | 6 |
| Number of chain strands | | 1 | 1 | 2 | 1 | 2 |
| Motor output Hoist | kW | 1 | 1 | 1 | 3.5 | 3.5 |
| Motor output Trolley | kW | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Lifting speed at full load | ft/min | 32.81 | 16.40 | 8.20 | 14.76 | 7.21 |
| | m/min | 10 | 5 | 2.5 | 4.5 | 2.2 |
| Lifting speed without load | ft/min | 55.77 | 32.81 | 16.40 | 29.52 | 14.76 |
| | m/min | 17 | 10 | 5 | 9 | 4.5 |
| Lowering speed at full load | ft/min | 55.77 | 36.09 | 18.04 | 35.43 | 17.72 |
| | m/min | 17 | 11 | 5.5 | 10.8 | 5.4 |
| Travelling speed at full load | ft/min | 29.53*/45.93 | 29.53*/45.93 | 29.53*/45.93 | 29.53*/45.93 | 29.53*/45.93 |
| | m/min | 9*/14 | 9*/14 | 9*/14 | 9*/14 | 9*/14 |
| Air consumption at full load – lifting | cfm | 42.38 | 42.38 | 42.38 | 141.26 | 1141.26 |
| | $m^3$/min | 1.2 | 1.2 | 1.2 | 4 | 4 |
| Air consumption at full load – lowering | cfm | 52.97 | 52.97 | 52.97 | 194.23 | 194.23 |
| | $m^3$/min | 1.5 | 1.5 | 1.5 | 5.5 | 5.5 |
| Air consumption trolley motor | cfm | 21.19 | 21.19 | 21.19 | 21.19 | 21.19 |
| | $m^3$/min | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| Luftanschluss | | G ½ | G ½ | G ½ | G ½ | G ½ |
| Hose dimension (Ø inside) | mm | 13 | 13 | 13 | 19 | 19 |
| Weight with standard lift and control | lbs | 216.5 | 218.26 | 231.59 | 462.97 | 727.53 |
| | kg | 98 | 99 | 105 | 210 | 330 |
| Chain dimension | inch | 0.28 x 0.83 | 0.28 x 0.83 | 0.28 x 0.83 | 0.51 x 1.42 | 0.51 x 1.42 |
| | mm | 7 x 21 | 7 x 21 | 7 x 21 | 13 x 36 | 13 x 36 |
| Weight of chain | lbs/ft | 0.67 | 0.67 | 0.67 | 2.6 | 2.6 |
| | kg | 1 | 1 | 1 | 3,8 | 3,8 |
| Standard lift | ft | 10 | 10 | 10 | 10 | 10 |
| | m | 3 | 3 | 3 | 3 | 3 |
| Length of control at standard lift | ft | 6.5 | 6.5 | 6.5 | 6.5 | 6.5 |
| | m | 2 | 2 | 2 | 2 | 2 |
| Max. bottom flange thickness t | inch | 0.98 | 0.98 | 0.98 | 1.38 | 1.38 |
| | mm | 25 | 25 | 25 | 35 | 35 |
| Max. bottom flange width b | inch | 12.20 | 12.20 | 12.20 | 12.20 | 12.20 |
| | mm | 310 | 310 | 310 | 310 | 310 |
| Min. bottom flange width b | inch | 3.15 | 3.15 | 3.15 | 4.92 | 4.92 |
| | mm | 80 | 80 | 80 | 125 | 125 |
| Noise level at full load 1 – lifting | dB(A) | 75 | 76 | 76 | 78 | 78 |
| Noise level at full load 1 – lowering | dB(A) | 78 | 78 | 78 | 80 | 80 |

*1st step at F-control with 2-step travelling speed,

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

# SERVICE PARTNERSHIP AND DIALOGUE

For all of our customers in a variety of demanding industries and processes, JDN PROFI hoists 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 PROFI 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 PROFI hoists, such as our largest equipment with a load-carrying capacity of 25 to 100 t?

Our experienced Global Project Team would be happy to discuss individual enquiries with you.

Please do not hesitate to contact us for more information. Our sales, project management and service staff would be happy to help.

**J.D. Neuhaus Group**

info@jdngroup.com
jdngroup.com

**Locations:**
Germany - Headquarter
France
Singapore
United Kingdom
United States

