## JDN AIR HOISTS M SERIES

## Carrying capacities: 1t up to 6t

## Air pressure: 4 bar

JDN Air Hoists of the $\mathbf{M}$ series were originally developed for underground mining operations. Due to their versatility they are nowadays also deployed in many different industrial fields. Generally they have the same features as the hoists of the PROFI series but operate with an air pressure of only 4 bar. Two different control systems are available.

## FURTHER SIGNIFICANT FEATURES AS STANDARD:

- Suitable for use in hazardous areas with risk of explosion
- Two chain falls for alternate working
- Specially designed for horizontal moving of loads

TECHNICAL DATA


| Type |  | M 64 | M 63 D |
| :---: | :---: | :---: | :---: |
| Carrying capacity | mt | 1/2 | 3/6 |
| Number of chain strands |  | 1/2 | 1/2 |
| Motor output | kW | 0.77 | 1.3 |
| Air pressure | $\begin{aligned} & \text { PSI } \\ & \text { bar } \end{aligned}$ | $\begin{gathered} 65 \\ 4 \end{gathered}$ | $\begin{gathered} 65 \\ 4 \end{gathered}$ |
| Lifting speed at full load* | $\mathrm{ft} / \mathrm{min}$ <br> $\mathrm{m} / \mathrm{min}$ | $\begin{gathered} 9.8 / 4.9 \\ 3 / 1.5 \end{gathered}$ | $\begin{aligned} & 7.2 / 3.6 \\ & 2.2 / 1.1 \end{aligned}$ |
| Lifting speed without load* | $\mathrm{ft} / \mathrm{min}$ <br> $\mathrm{m} / \mathrm{min}$ | $\begin{gathered} 26.3 / 13.1 \\ 8 / 4 \end{gathered}$ | $\begin{gathered} 16.4 / 8.2 \\ 5 / 2.5 \end{gathered}$ |
| Lowering speed at full load* | $\mathrm{ft} / \mathrm{min}$ <br> $\mathrm{m} / \mathrm{min}$ | $\begin{aligned} & 41 / 21.3 \\ & 12.5 / 6.5 \end{aligned}$ | $\begin{gathered} 19.7 / 9.8 \\ 6 / 3 \end{gathered}$ |
| Air consumption at full load - lifting | $\begin{aligned} & \mathrm{cfm} \\ & \mathrm{~m}^{3} / \mathrm{min} \end{aligned}$ | $\begin{gathered} 35.3 \\ 1.0 \end{gathered}$ | $\begin{gathered} 77.7 \\ 2.2 \end{gathered}$ |
| Air consumption at full load - lowering | $\begin{aligned} & \mathrm{cfm} \\ & \mathrm{~m}^{3} / \mathrm{min} \end{aligned}$ | $\begin{gathered} 70.6 \\ 2.0 \end{gathered}$ | $\begin{aligned} & 113 \\ & 3.2 \end{aligned}$ |
| Air connection |  | Rd $32 \times 1 / 8{ }^{\prime \prime}$ | Rd $32 \times 1 / 8^{\prime \prime}$ |
| Hose dimension ( $\varnothing$ inside) | inch. <br> mm | $\begin{gathered} 0.75 \\ 19 \end{gathered}$ | $\begin{gathered} 0.75 \\ 19 \end{gathered}$ |
| Weight with standard lift height and control length | $\begin{aligned} & \mathrm{lbs} \\ & \mathrm{~kg} \end{aligned}$ | $\begin{gathered} 132.3 \\ 60 \end{gathered}$ | $\begin{gathered} 220.5 \\ 100 \end{gathered}$ |
| Weight without chain, without control | $\begin{aligned} & \mathrm{lbs} \\ & \mathrm{~kg} \end{aligned}$ | $\begin{gathered} 68.3 \\ 31 \end{gathered}$ | $\begin{gathered} 112.4 \\ 51 \end{gathered}$ |
| Chain dimension | mm | $9 \times 27$ | $13 \times 36$ |
| Weight of $1 \mathrm{~m}(3.28 \mathrm{ft})$ chain | $\begin{aligned} & \mathrm{lbs} \\ & \mathrm{~kg} \end{aligned}$ | $\begin{gathered} 4 \\ 1.8 \end{gathered}$ | $\begin{aligned} & 8.4 \\ & 3.8 \end{aligned}$ |
| Heights of lift | $\begin{aligned} & \mathrm{ft} \\ & m \end{aligned}$ | $\begin{gathered} 16.4 / 8.2 \\ 5 / 2.5 \end{gathered}$ | $\begin{gathered} 16.4 / 8.2 \\ 5 / 2.5 \end{gathered}$ |
| Lenght of control | $\begin{aligned} & \mathrm{ft} \\ & \mathrm{~m} \end{aligned}$ | $\begin{gathered} 6.6 \\ 2 \end{gathered}$ | $\begin{gathered} 6.6 \\ 2 \end{gathered}$ |
| Noise level at full load ${ }^{1}$ | $\mathrm{dB}(\mathrm{A})$ | 75-84 | 79-83 |

Group mechanism: M3 (1 Bm)
${ }^{1}$ Measured at 1 m distance acc. to DIN 45635 part 20

## DIMENSIONS

| Type |  | M 64 | M 63 D |
| :---: | :---: | :---: | :---: |
| $A_{1}$ (smallest headroom with $1 / 1$ chain strands) | inch. mm | $\begin{aligned} & 23.7 \\ & 603 \end{aligned}$ | $\begin{aligned} & 29.5 \\ & 750 \end{aligned}$ |
| $A_{2}$ (smallest headroom with $1 / 2$ chain strands) | inch. mm | $\begin{gathered} 26 \\ 660 \end{gathered}$ | $\begin{gathered} 34.3 \\ 870 \end{gathered}$ |
| B1 (with $1 / 1$ chain strands) | inch mm | $\begin{aligned} & 12.3 \\ & 313 \end{aligned}$ | $\begin{aligned} & 14.6 \\ & 370 \end{aligned}$ |
| B2 (with 1/2 chain strands) | inch. mm | $\begin{aligned} & 14.6 \\ & 370 \end{aligned}$ | $\begin{aligned} & 19.3 \\ & 490 \end{aligned}$ |
| C | inch. mm | $\begin{aligned} & 6.9 \\ & 175 \end{aligned}$ | $\begin{aligned} & 9.33 \\ & 237 \end{aligned}$ |
| D | inch. mm | $\begin{aligned} & 14.8 \\ & 375 \end{aligned}$ | $\begin{gathered} 20 \\ 507 \end{gathered}$ |
| $E_{1}$ (Hook opening) | inch. mm | $\begin{aligned} & 1.2 \\ & 30 \end{aligned}$ | $\begin{aligned} & 1.6 \\ & 40 \end{aligned}$ |
| E2 (Hook opening) | inch. <br> mm | $\begin{aligned} & 1.2 \\ & 30 \end{aligned}$ | $\begin{aligned} & 1.6 \\ & 40 \end{aligned}$ |
| E3 (Hook opening) | inch. <br> mm | $\begin{aligned} & 1.2 \\ & 30 \end{aligned}$ | $\begin{aligned} & 1.2 \\ & 30 \end{aligned}$ |
| F (maximum width) | inch. mm | $\begin{aligned} & 5.7 \\ & 144 \end{aligned}$ | $\begin{aligned} & 7.7 \\ & 195 \end{aligned}$ |

