



JDN AIR HOISTS PROFI



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STRONG, FAST, SILENT.

High performance with more efficiency by reliability plus high lifting and lowering speeds. Low sound emissions.

OIL-FREE OPERATION.

Patented, permanent motor lubrication during operation, using a high-performance grease. No additional motor lubrication required.

ALWAYS FIT FOR THE JOB AND RELIABLE.

100% Duty Rating – No Downtime, Ex Classification according to EC Directive on Hazardous Locations 94/9/EEC (ATEX 100a)

JDN AIR HOISTS PROFI

PROFI 25 TI UP TO 100 TI

TECHNICAL DATA

Type		25 TI	30 TI	37 TI	40 TI	50 TI	60 TI	75 TI	100 TI
Capacity	mt	25	30	37.5	40	50	60	75	100
Air pressure	psi bar	87 6							
Number of chain strands		2	2	3	3	4	4	3	4
Motor output	kW	6.3						9	9
Lifting speed at full load	ft/min m/min	4.1 1.25	3.3 1.0	2.5 0.75	2.3 0.7	1.8 0.55	1.5 0.45	1.7 0.53	1.3 0.4
Lifting speed without load	ft/min m/min	7.9 2.4	7.9 2.4	5.6 1.7	5.6 1.7	4.3 1.3	4.3 1.3	4.4 1.33	3.3 1
Lowering speed at full load	ft/min m/min	9.2 2.8	9.2 2.8	6.6 2.0	6.6 2.0	5.3 1.6	5.3 1.6	4.1 1.25	3.1 0.95
Air consumption at full load – lifting	cfm m³/min	230 6.5						268.5 7.6	
Air consumption at full load – lowering	cfm m³/min	102 2.9						212 6	
Air connection		G 1 ½							
Hose dimension (Ø inside)	inch mm	1 ½ 35							
Weight with standard lift, rope control	lbs kg	1213 550	1213 550	1874 850	1874 850	2072 940	2072 940	3968 1800	4409 2000
Chain dimension	mm	23.5 x 66						32 x 90	
Weight of chain	lbs/ft kg/m	8.2 12.2						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 ¹ – lifting	dB(A)	78						77	
Noise level at full load ¹ – lowering	dB(A)	82						83	

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

Group mechanism at 6 bar: PROFI 25 TI, 37 TI, 50 TI, 75 TI, 100 TI: M3 (1 Bm), PROFI 30 TI, 40 TI, 60 TI: M2 (1 Cm)

4 bar versions on request



PROFI 100 TI

DIMENSIONS

Type		25 TI	30 TI	37 TI	40 TI	50 TI	60 TI	75 TI	100 TI
A min. headroom ¹	inch mm	49.6 1260	49.6 1260	57.9 1470	57.9 1470	58.5 1485	58.5 1485	76 1930	76 1930
B	inch mm	32.6 827	32.6 827	36.8 935	36.8 935	37.4 950	37.4 950	49.2 1250	49.2 1250
C	inch mm	17.7 450	17.7 450	21.3 540	21.3 540	21.3 540	21.3 540	32.5 825	32.5 825
D	inch mm	35.4 900	35.4 900	42.5 1080	42.5 1080	42.5 1080	42.5 1080	60.4 1535	60.4 1535
E1	inch mm	2.8 70	2.8 70	3.9 100	3.9 100	3.9 100	3.9 100	4.7 120	4.7 120
E2	inch mm	2.8 70	2.8 70	3.9 100	3.9 100	3.9 100	3.9 100	4.7 120	4.7 120
F up to hook centre	inch mm	10.6 270	10.6 270	11.2 285	11.2 285	9.8 250	9.8 250	15.9 405	14.4 365
G maximum width	inch mm	17.5 445	17.5 445	17.7 450	17.7 450	16.9 430	16.9 430	23.6 600	23.6 600

¹Chain containers increase the hoist headroom

