



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)

PROFI 3 TI UP TO 20 TI

TECHNICAL DATA

Type		3 TI		6 TI		10 TI		16 TI		20 TI	
Capacity	mt	3.2		6.3		10		16		20	
Air pressure	psi bar	60 4	87 6	60 4	87 6	60 4	87 6	60 4	87 6	60 4	87 6
Number of chain strands		1		2		2		3		4	
Motor output	kW	1.8	3.5	1.8	3.5	1.8	3.5	1.8	3.5	1.8	3.5
Lifting speed at full load	ft/min m/min	8.2 2.5	16.4 5	3.9 1.2	8.2 2.5	2.6 0.8	5.2 1.6	1.6 0.5	3.3 1	1.3 0.4	2.3 0.7
Lifting speed without load	ft/min m/min	19.7 6	32.8 10	9.8 3	16.4 5	6.6 2	10.5 3.2	4.3 1.3	6.6 2	3.3 1	4.6 1.4
Lowering speed at full load	ft/min m/min	24.6 7.5	35.4 10.8	11.8 3.6	17.7 5.4	8.2 2.5	11.2 3.4	5.3 1.6	6.9 2.1	3.9 1.2	5.3 1.6
Air consumption at full load – lifting	cfm m³/min	71 2	142 4	71 2	142 4	71 2	142 4	71 2	142 4	71 2	142 4
Air consumption at full load – lowering	cfm m³/min	124 3.5	195 5.5	124 3.5	195 5.5	124 3.5	195 5.5	124 3.5	195 5.5	124 3.5	195 5.5
Air connection		G ¾		G ¾		G ¾		G ¾		G ¾	
Hose dimension (Ø inside)	inch mm	¾ 19		¾ 19		¾ 19		¾ 19		¾ 19	
Weight with standard lift, rope control	lbs kg	189.6 86		242.5 110		343.9 156		529.1 240		627 285	
Chain dimension	mm	13 x 36		13 x 36		16 x 45		16 x 45		16 x 45	
Weight of chain	lbs/ft kg/m	2.6 3.8		2.6 3.8		3.9 5.8		3.9 5.8		3.9 5.8	
Standard lift	ft m	10 3		10 3		10 3		10 3		10 3	
Length of control at standard lift	ft m	6.5 2		6.5 2		6.5 2		6.5 2		6.5 2	
Noise level at full load¹ – lifting	dB(A)	74	78	74	78	74	78	74	78	74	78
Noise level at full load¹ – lowering	dB(A)	79	80	79	80	79	80	79	80	79	80

¹Measured at 1 m distance acc. to DIN 45635 part 20
Group mechanism at 6 bar: M3 (1 Bm)



PROFI 6 TI

DIMENSIONS

Type		3 TI	6 TI	10 TI	16 TI	20 TI
A min. headroom¹	inch mm	23.3 593	26.5 674	32 813	35.4 898	40.6 1030
B	inch mm	14.7 373	17.9 454	21.6 548	23.5 598	26.4 670
C	inch mm	9.2 233	9.2 233	12.1 308	15 382	15 382
D	inch mm	19 483	19 483	22.6 575	27.2 692	27.2 692
E ₁	inch mm	1.6 40	1.6 40	1.7 44	2.1 53	2.8 70
E ₂	inch mm	1.2 30	1.6 40	1.7 44	2.1 53	2.8 70
F up to hook centre	inch mm	7.4 187	6.1 154	7.8 197	7.8 199	7.1 180
G maximum width	inch mm	9.2 233	9.2 233	12 306	12.1 308	12.4 315

¹Chain containers increase the hoist headroom

