

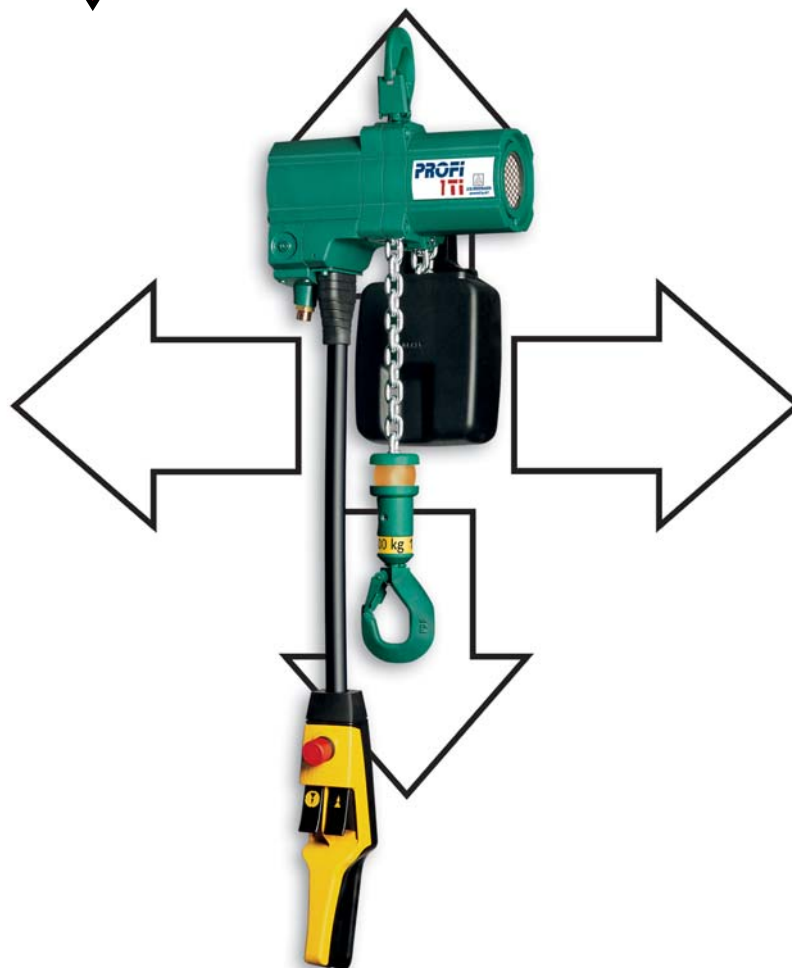
JDN AIR HOISTS PROFI TI

TECHNICAL EXCELLENCE IN A COMPACT FORMAT.

The new
PROFI

PROFI 025 TI®
PROFI 05 TI®
PROFI 1 TI®
PROFI 2 TI®

Lifting capacities
250 kg up to 2 t
Air pressure 4 bar
or 6 bar



THE ADVANTAGES AT A GLANCE

► WITH SAFETY IN MIND

Integrated main air emergency-stop valve.
With overload protection from 1 t and above.

► GREATER EFFICIENCY

Due to higher lifting speeds.
Driving mechanism classification M4 (1 Am) up to M5 (2m) i.e.
800 – 1600 hours at full load. Also suitable for horizontal pulling
due to the compact construction. Lifting and lowering speeds can
be regulated sensitively. Favourable combination with the new
JDN motor trolley LM 2 t.

► OIL-FREE OPERATION

Due to patented, permanent motor lubrication during operation,
using a high-performance grease.

► PATENTED MOTOR-BRAKE SYSTEM

For low-maintenance and low-wear operation, based on the proven
systems in the JDN ranges, mini and PROFI 3 TI up to 20 TI.

► 100 % DUTY RATING – LESS DOWNTIME

► Ex Classification according to EC Directive on Hazardous Locations 94/9/EEC (ATEX 100a)

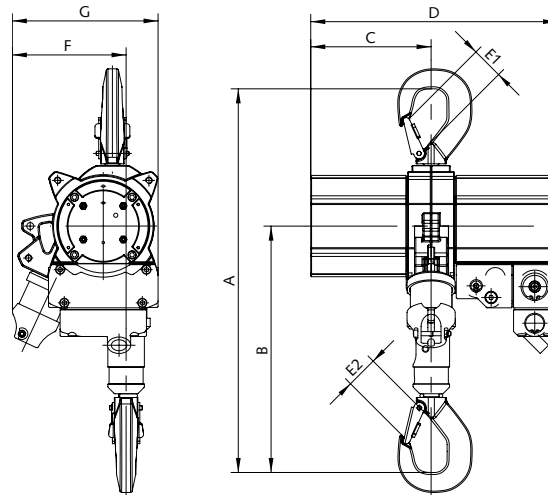
Standard version: Ⓜ II 2 GD IIA T4(X)/ II 3 GD IIB T4(X)

With increased spark protection: Ⓜ II 2 GD IIC T4(X)



J. D. NEUHAUS
powered by air!

TECHNICAL DATA FOR JDN AIR HOISTS PROFI TI



Type	025 TI		05 TI		1 TI		2 TI	
Air pressure bar	4	6	4	6	4	6	4	6
Lifting capacity t	0.16	0.25	0.32	0.5	0.63	1	1.25	2
Number of chain strands	1		1		1		2	
Engine output kW	0.6	1.0	0.6	1.0	0.6	1.0	0.6	1.0
Lifting speed at full load m/min	20	20	10	11	5	5.5	2.5	2.7
Lifting speed without load m/min	37.5	42	16	19	10	11	5	5.5
Lowering speed at full load m/min	38	38	17	17	10	11	5	5.5
Air consumption at full load – lifting m ³ /min	0.7	1.2	0.7	1.2	0.7	1.2	0.7	1.2
Air consumption at full load – lowering m ³ /min	0.8	1.5	0.8	1.5	0.8	1.5	0.8	1.5
Air connection	G 1/2		G 1/2		G 1/2		G 1/2	
Hose dimension (Ø inside) mm	13		13		13		13	
Weight at standard lift, rope control kg	27	27	27	27	27.5 ²	28 ²	34 ²	34 ²
Chain dimension mm	7 x 21		7 x 21		7 x 21		7 x 21	
Weight of 1 m chain kg	1.0		1.0		1.0		1.0	
Standard lift m	3		3		3		3	
Length of control at standard lift m	2		2		2		2	
Sound level at full load ¹ – lifting dB(A)	73	74	74	75	74	76	74	76
Sound level at full load ¹ – lowering dB(A)	77	78	77	78	77	78	77	78
Dimensions in mm	025 TI		05 TI		1 TI		2 TI	
A smallest headroom ³	450		450		450		498	
B	288		288		288		336	
C	145		145		145		145	
D	297		297		297		297	
E1	28		28		28		28	
E2	28		28		28		28	
F up to hook center	137		137		137		137	
G biggest width	176		176		176		183	

¹measured in 1 m distance acc. to DIN 45635 part 20

²with overload protection

³chain containers increase the headroom

PROFI TI is a registered trademark of our company.

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