



Air Hoist | Profi TI / Heavy Duty



Features:

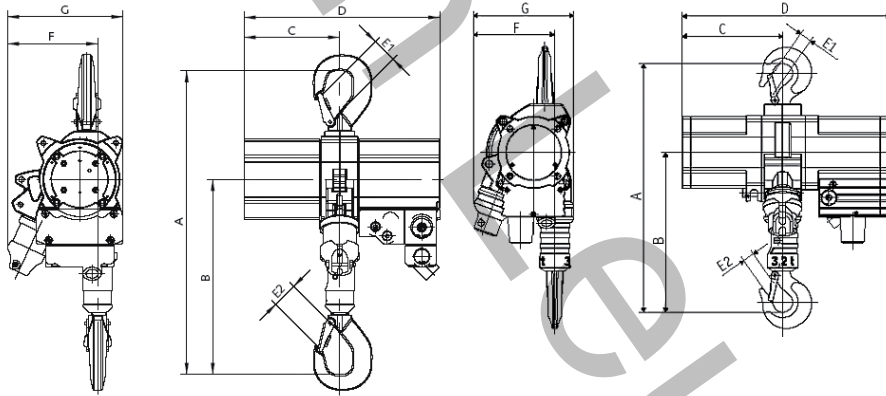
- Capacities 250 Kg – 100.000 Kg
- Air Pressure 4 Bar or 6 Bar
- Suitable for application in Hazardous areas
- Sensitive infinitely variable speed control for the precise positioning of loads
- Easy operation
- Suitable for lube free operation
- Frequent switching and extended duty cycles
- Fail safe starting, low maintenance vane motor
- Planetary gearbox with high grade steel gears
- Low maintenance
- Low headroom, Light Weight
- Insensitive to dust, humidity and temperatures ranging

from -20°C...+70°C

- From 1 ton upwards with overload protection
- Low sound emissions

Optional:

- Different options of control, cord control, pendant control, E-type robust control.
- Air service units, Filter, Regulator
- Chain box
- Offshore coating
- Testing
- Spark resistant packages



025TI_2TI

3TI_50TI

Technical information:

Explosion Classification ATEX 94/9/EEC:

- 1) Standard: EX II 2GD IIA T4(X) / EX II 3GD IIB T4(X)
- 2) With increased spark protection: EX II GD IIC T4(X)

* Chain containers increase the headroom.
¹ measured in 1 m distance acc. to DIN 45635 part 20
² with overload protection

Air Hoists PROFİ TI																																	
Type	025 TI		05 TI		1 TI		2 TI		3 TI		6 TI		10 TI		16TI		20 TI		25 TI		37 TI		50 TI		100 TI								
Air pressure	bar	4	6	4	6	4	6	4	6	4	6	4	6	4	6	4	6	6	4	6	4	6	4	6	6								
Carrying capacity	t	0,16	0,25	0,32	0,5	0,63	1	1,25	2	3,2	6,3	10	16	20	25	37,5	50	100															
Number of chain strands		1		1		1		2		1		2		3		4		2		3		4		4									
Engine output	kW	0,6	1	0,6	1	0,6	1	0,6	1	1,8	1,8	1,8	1,8	1,8	3,5	6	4	6	4	6	4	6	4	6	10								
Lifting speed at full load	m/min	20		10		5		2,5		2,5		1,2		0,8		0,5		0,4		0,7		1,1		0,4		0,65		0,3		0,45		0,35	
Lifting speed without load	m/min	37,5	42	16	19	10	11	5	5,5	6	3	2	1,3	1	1,4	2,3	1,1	1,6	0,7	1,3	0,7	1,3	0,7	1,3	0,7								
Lowering speed at full load	m/min	38		17		10		5		7,5		3,6		2,5		1,6		1,2		1,6		1,9		1		1,5		0,9		1,4		0,8	
Air consumption at full load - Lifting	m³/min	0,7	1,2	0,7	1,2	0,7	1,2	0,7	1,2	2	2	2	2	2	4	5,5	4,7	5,5	4,7	5,5	4,7	5,5	4,7	5,5	11								
Air consumption at full load - Lowering	m³/min	0,8		0,8		0,8		0,8		3,5		3,5		3,5		3,5		3,5		6,5		5,5		6,5		5,6		12					
Air connection		G ½		G ½		G ½		G ½		G ¾		G ¾		G ¾		G ¾		G 1		G 1		G 1		G 1		G 1½							
Hose dimension (Ø inside)	mm	13		13		13		13		19/31		19/31		19/31		19/31		25/39		25/39		25/39		25/39		35/51							
Weight at standard lift, rope control	Kg	27	27	27	27	27,5	28 ²	34 ²	34 ²	86	110	156	240	285	498	880	855	2640															
Chain dimension	mm	7 x 21		7 x 21		7 x 21		7 x 21		13 x 36		13 x 36		16 x 45		16 x 45		16 x 45		23,5 x 66		23,5 x 66		23,5 x 66		32 x 90							
Weight of 1 m chain	Kg	1		1		1		1		3,8		3,8		5,8		5,8		5,8		12,2		12,2		12,2		21,3							
Standard lift	m	3		3		3		3		3		3		3		3		3		3		3		3		3							
Length of control at standard lift	m	2		2		2		2		2		2		2		2		2		2		2		2		2							
Sound level at full load ¹ - lifting	dB(A)	73		74		74		74		74		74		74		74		83		77		77		77		88							
Sound level at full load ¹ - lowering	dB(A)	77		77		77		77		79		79		79		79		83		79		79		79		89							
Dimension in mm		025 TI		05 TI		1 TI		2 TI		3 TI		6 TI		10 TI		16 TI		20 TI		25 TI		37 TI		50 TI		100 TI							
A smallest headroom *		450		450		450		498		593		674		813		898		1030		1260		1400		1700		2200							
B		288		288		288		336		373		454		548		598		670		827		869		1144		1475							
C		145		145		145		145		233		233		308		382		382		377		377		463		734							
D		297		297		297		297		483		483		575		692		692		812		812		980		1505							
E1		28		28		28		28		40		40		44		53		75		75		100		100		120							
E2		28		28		28		28		30		30		44		53		75		75		100		100		120							
F up to hook center		137		137		137		137		187		154		197		199		180		318		518		310		440							
G biggest width		176		176		176		183		233		233		306		308		315		488		745		539		767							