



The modular system at a glance

Limit Switch for Trolley Travel
Extension Arm for Control

Special High Performance Grease
for oil-free operation

Service Unit
Filter Regulator



Supply

- Hose Trolleys
- Spiral Hose
- Energy Chain
- C-rail
- Square Bar

Limit Switch for Lift



Trolleys

- Manual Trolley
- Reel Chain Trolley
- Motor Trolley

Housing Finish

- Standard JDN Green
- 4-coat offshore paint system

Filter Silencer

Chain Container

- Chain Box
- Chain Bag

Hook

- Standard
- Copper-plated
- Stainless Steel

Controls

- Rope Control
- FI Control (sensitive)
- E Control (single speed)
- F Control (multi-function)
- Remote Control
- Electropneumatic Interface

Ex Classification

Standard:

Ex II 2 GD IIA T4/II 3 GD IIB T4

With increased spark protection:

Ex II 2 GD IIB T4

With increased spark protection

for explosion group IIC:

Ex II 2 GD IIC T4



PROFI 025 TI – 2 TI

Technical Data

Type		025 TI		05 TI		1 TI		2 TI	
Air pressure	PSI	65	85	65	85	65	85	65	85
	bar	4	6	4	6	4	6	4	6
Carrying capacity	mt	0.16	0.25	0.32	0.5	0.63	1	1.25	2
Number of chain strands		1		1		1		2	
Motor output	kW	0.6	1.0	0.6	1.0	0.6	1.0	0.6	1.0
Lifting speed at full load	ft/min	65.6	65.6	32.8	36.1	16.4	18	8.2	8.9
	m/min	20	20	10	11	5	5.5	2.5	2.7
Lifting speed without load	ft/min	123	137.8	52.5	62.3	32.8	36.1	16.4	18
	m/min	37.5	42	16	19	10	11	5	5.5
Lowering speed at full load	ft/min	124.7	124.7	55.8	55.8	32.8	36.1	16.4	18
	m/min	38	38	17	17	10	11	5	5.5
Air consumption at full load – lifting	cfm	24.7	42.4	24.7	42.4	24.7	42.4	24.7	42.4
	m³/min	0.7	1.2	0.7	1.2	0.7	1.2	0.7	1.2
Air consumption at full load – lowering	cfm	28.3	53	28.3	53	28.3	53	28.3	53
	m³/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)	inch	1/2		1/2		1/2		1/2	
	mm	13		13		13		13	
Weight with standard lift, rope control	lbs	59.5	59.5	59.5	59.5	61.6	61.7 ¹	75 ¹	75 ¹
	kg	27	27	27	27	27.5	28 ¹	34 ¹	34 ¹
Chain dimension	mm	7 x 21		7 x 21		7 x 21		7 x 21	
Weight of chain	lbs/ft	0.67		0.67		0.67		0.67	
	kg/m	1.0		1.0		1.0		1.0	
Standard lift	ft	10		10		10		10	
	m	3		3		3		3	
Length of control at standard lift	ft	6.5		6.5		6.5		6.5	
	m	2		2		2		2	
Noise level at full load ² – lifting	dB(A)	73	74	74	75	74	76	74	76
Noise level at full load ² – lowering	dB(A)	77	78	77	78	77	78	77	78

¹With overload protection

²Measured at 1 m distance acc. to DIN 45635 part 20

Group mechanism at 6 bar: PROFI 025 TI M5 (2 m), PROFI 05 TI - PROFI 2 TI M4 (1 Am)



PROFI 1 TI

Dimensions

Type		025 TI	05 TI	1 TI	2 TI
A min. headroom ¹	inch	17.7	17.7	17.7	19.6
	mm	450	450	450	498
B	inch	11.3	11.3	11.3	13.2
	mm	288	288	288	336
C	inch	5.7	5.7	5.7	5.7
	mm	145	145	145	145
D	inch	11.7	11.7	11.7	11.7
	mm	297	297	297	297
E ₁	inch	1.1	1.1	1.1	1.1
	mm	28	28	28	28
E ₂	inch	1.1	1.1	1.1	1.1
	mm	28	28	28	28
F up to hook centre	inch	5.4	5.4	5.4	5.4
	mm	137	137	137	137
G maximum width	inch	6.9	6.9	6.9	7.2
	mm	176	176	176	183

¹Chain containers increase the hoist headroom

