

Capacities: 500 kg up to 3000 kg

J.D.Neuhaus has been the market leader in compressed air powered lifting equipment for decades. In our latest milestone we have added a series of air winches to our product line.

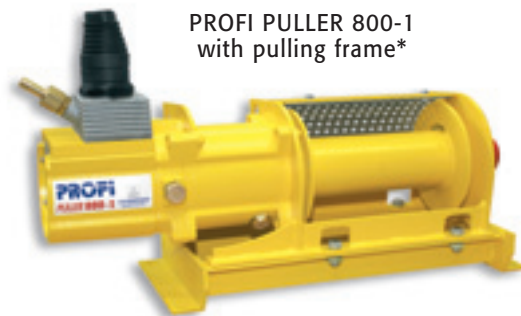
PROFI LIFTER 500-1

PROFI PULLER 800-1

JDN Lifting Winches (LIFTER 500-1) with capacities of 500 kg at the 5th layer and 750 kg at the 1st layer and Pulling Winches (PULLER 800-1) with capacities of 530 kg at the 5th layer and 800 kg at the 1st layer. The low weight of under 30 kg makes this series mobile, ideal for multiple applications. The winches provide sensitive operation by direct controls (push button or lever) over the full load range.




PROFI LIFTER 500-1



PROFI PULLER 800-1
with pulling frame*

THE ADVANTAGES AT A GLANCE

- ➔ Drum integrated exhaust air cooled planetary gearbox for minimum maintenance and maximum reliability at a 100% duty cycle.
- ➔ Compact design and low weight for mobile applications.
- ➔ Powerful pneumatic drive with sensitive control.
- ➔ High rope capacity up to 5 layers.
- ➔ Ideal for operation in hazardous areas
 II 3 GD IIA T4(X).

TECHNICAL DATA

Type		PROFI LIFTER 500-1	PROFI PULLER 800-1
Air pressure	PSI bar	85 6	
Lifting capacity in the last layer	lbs kg	1100 500	– –
Lifting capacity in the first layer	lbs kg	1650 750	– –
Pulling capacity in the last layer	lbs kg	– –	1170 530
Pulling capacity in the first layer	lbs kg	– –	1750 800
Max. number of rope layers		5	
Max. motor power	kW	1	
Air connection		G 1/2	
Air consumption at nominal load - lifting/pulling	cfm m ³ /min	42.4 1.2	38.9 1.1
Air consumption at nominal load - lowering	cfm m ³ /min	53 1.5	– –
Hose size (ø inside)	inch. mm	0.6 13	
Rope drum diameter	inch. mm	33 76	
Rope diameter	inch. mm	3/16 - 1/4 5.5 - 7.0	
Minimum breaking force of rope	lbf kN	5508 24.5	5283 23.5
Weight (without rope, with control)	lbs kg	64.6 29.3	68.8 31.2
Control length (FD control)	ft m	4.9 1.5	
Noise level at nominal load - lifting/pulling ¹	dB(A)	85	87
Noise level at nominal load - lowering ¹	dB(A)	89	–

Group mechanism: M4 (1 Am)

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

* Option



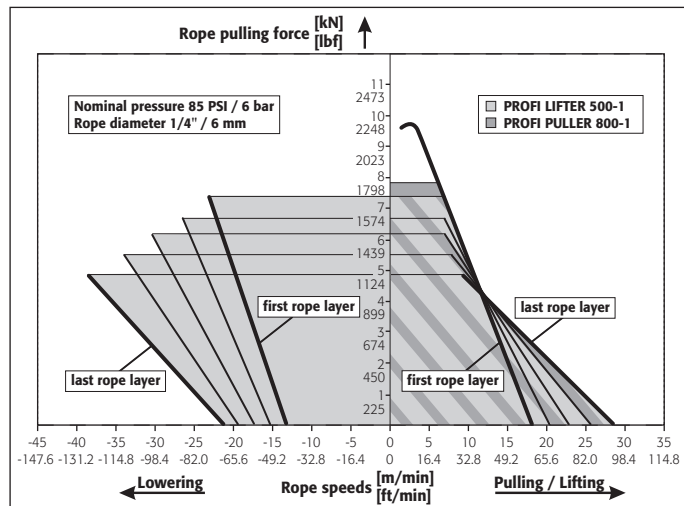
JDN AIR WINCHES PROFI

PERFORMANCE DATA

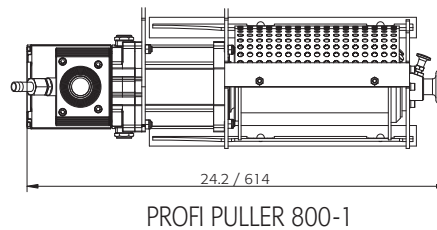
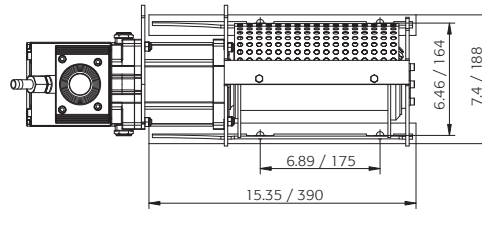
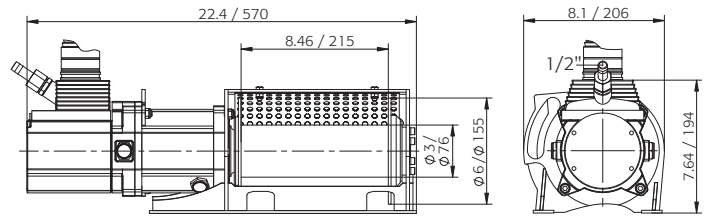
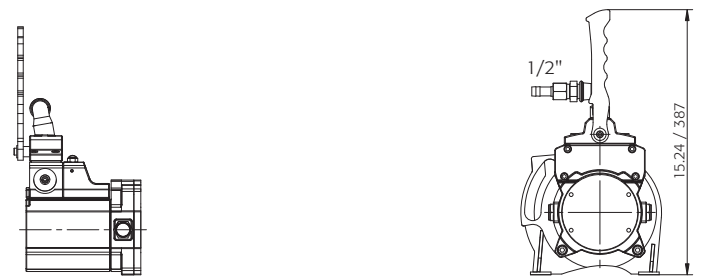
PROFI LIFTER 500-1					
Rope diameter 1/4" / 6 mm		Speeds [ft/min]/[m/min]			
		Lifting		Lowering	
Rope Layer		1. Layer	5. Layer	1. Layer	5. Layer
Load [lbs]/[kg]	0	58.1 / 17.7	92.6 / 28.2	43.7 / 13.3	69.6 / 21.2
	550 / 250	46.2 / 14.1	62.4 / 19.0	54.5 / 16.6	96.9 / 29.6
	1100 / 500	34.3 / 10.4	32.2 / 9.8	65.3 / 19.9	124.3 / 37.9
	1650 / 750	22.4 / 6.8	–	76 / 23.2	–

PROFI PULLER 800-1					
Rope diameter 1/4" / 6 mm		Speeds [ft/min]/[m/min]			
		Pulling		Unwinding	
Rope Layer		1. Layer	5. Layer	1. Layer	5. Layer
Load [lbs]/[kg]	0	58.1 / 17.7	92.6 / 28.2	43.7 / 13.3	69.6 / 21.2
	585 / 300	45.5 / 13.4	60.4 / 17.1	–	–
	1170 / 530	32.8 / 10.0	28.2 / 8.1	–	–
	1750 / 800	20.2 / 6.1	–	–	–

CHARACTERISTIC LOAD CURVES PROFI LIFTER 500-1 / PROFIL PULLER 800-1



DIMENSIONS [inch.]/[mm]



ROPE CAPACITIES

PROFI LIFTER 500-1 / PROFIL PULLER 800-1			
Max rope capacity per layer	Rope diameter		
	inch.	3/16	1/4
1st	ft / m	34.4 / 10.5	25.7 / 7.8
1st and 2nd	ft / m	75.6 / 23.1	58.3 / 17.8
1st, 2nd and 3rd	ft / m	121.4 / 37.0	95.8 / 29.1
1st, 2nd, 3rd and 4th	ft / m	171.5 / 52.3	136.8 / 41.7
1st, 2nd, 3rd, 4th and 5th	ft / m	226.1 / 68.9	–

Recommended rope diameter: 1/4" / 6 mm

