

Technical Description

Exhaust Hose Reel ser. 865 SD and S

Spring recoil



Technical specification

Ambient temperature

- -10°C to +50°C

Bracket

- Galvanized steel
- Separate
- Simplifies installation

Colour

- Blue, RAL 5009
- Zinc or aluzinc-plated (metal parts)

Connection hose

- Polyester/aluminium
- Connects to duct system, Ø160 mm

Damper

- Mechanical
- Operated by drum rotation

Drum cylinder

- Aluminium/zinc plated steel sheet

Drum end

- Composite; 30 % glass
- Integrated sprockets for spring gear and ratchet

Drum shaft

- Composite; 30 % glass
- With ball bearing

Duct connection

- Ø160 mm
- Max. exhaust temperature: 300°C

Frame side

- Composite; 30 % glass
- Integrated spring unit

Framework

- Zinc plated square steel tube

Hose adapter

- Cast aluminium
- Connects hose to internal duct

Hose guide

- Aligns hose on the drum

Hose stop collar

- Makes nozzle stop at a fixed height

Internal duct

- Rolled, aluminium plated steel band
- Highly corrosion resistant

Ratchet mechanism

- Locks uncoiled hose in position

Safety lock

- Locks drum during hose replacement or check-ups

Spring unit

- Power transmission via gear with ball bearings
- Tension adjustment from the outside

Weight

- Short body, without hose: 23 kg
- Short body, with hose: 31–38 kg (depending on hose type, length, and diameter)
- Wide body, without hose: 31 kg
- Wide body, with hose: 41–49 kg (depending on hose type, length, and diameter)

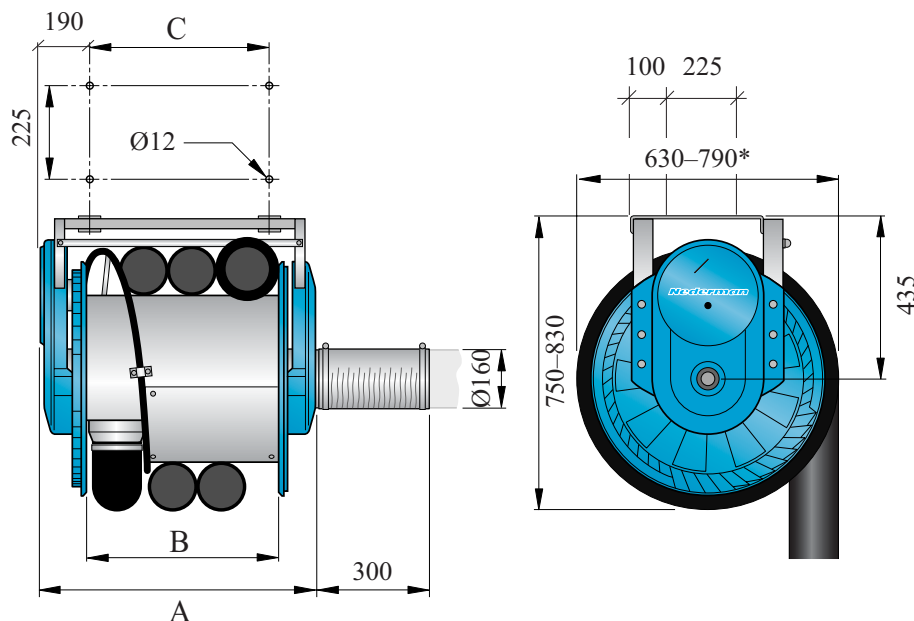
Installation

- On ceiling or wall
- Maximum mounting height: 6 m
- Designed for indoor installations, but can be installed outdoors in protected areas (the metal components are protected against corrosion).

Maintenance

No maintenance required when reel is exposed to normal wear. Cleaning of exterior and regular check-ups according to instruction manual should be done.

Dimensions (mm)



Short body

A= 725
B= 500
C= 370

Wide body

A= 1055
B= 830
C= 700

* depending on hose diameter

Hose types

NR-CP

Crush-resistant, light-weight, with good flow characteristics and high resistance to mechanical stress.

Made of EPDM (rubber) coated polyester fabric with polyester helix.

Colour: black with blue helix.

Temperature range: -40°C to +150°C

NR-B

Light-weight with high resistance to mechanical stress. Not crush-resistant.

Made of EPDM (rubber) coated polyester fabric with steel helix.

Colour: black with blue helix.

Temperature range: -40°C to +150°C



Part numbers

(including two brackets, one Hose stop, and one wrench for adjusting the spring tension)

Model SD

With NR-CP hose, and automatic damper			
Hose Ø	Hose length	Body	Part no.
75 mm	5 m	Short	20801465
100 mm	5 m	Short	20801365
100 mm	7.5 m	Short	20801265
100 mm	7.5 m	Short	20805365*
100 mm	10 m	Wide	20801965
125 mm	5 m	Short	20801165
125 mm	7.5 m	Wide	20802065
125 mm	10 m	Wide	20802165
150 mm	5 m	Short	20801065
150 mm	7.5 m	Wide	20802265*
150 mm	10 m	Wide	20802365*
Without hose; with automatic damper			
Hose Ø	Body	Part no.	
75 mm	Short	20800965	
100 mm	Short	20800765	
100 mm	Wide	20800365	
125 mm	Short	20800565	
125 mm	Wide	20800165	
150 mm	Short	20804165	
150 mm	Wide	20804265*	
Without hose; wide body; with automatic damper and Retraction control			
For hose Ø	Part no.		
100 mm	20805865		
125 mm	20805965		
150 mm	20806065		

Model S

With NR-B hose			
Hose Ø	Hose length	Body	Part no.
75 mm	5 m	Short	20800865
100 mm	5 m	Short	20800665
100 mm	7.5 m	Short	20801565
100 mm	7.5 m	Short	20805265*
100 mm	10 m	Wide	20801865
125 mm	5 m	Short	20800465
125 mm	7.5 m	Wide	20801765
125 mm	10 m	Wide	20801665
150 mm	5 m	Short	20800265
150 mm	7.5 m	Wide	20802565*
150 mm	10 m	Wide	20802465*
Without hose			
For hose Ø	Body	Part no.	
100 mm	Short	20804365	
100 mm	Wide	20804665	
125 mm	Short	20804465	
125 mm	Wide	20804765	
150 mm	Short	20804565	
150 mm	Wide	20804865*	

Accessories

On/off switch

Starts/stops the fan when the hose uncoils/coils.
Part no. 20373557

Fan bracket

For mounting fan N16/N24 directly on reel.
Part no. 20373556

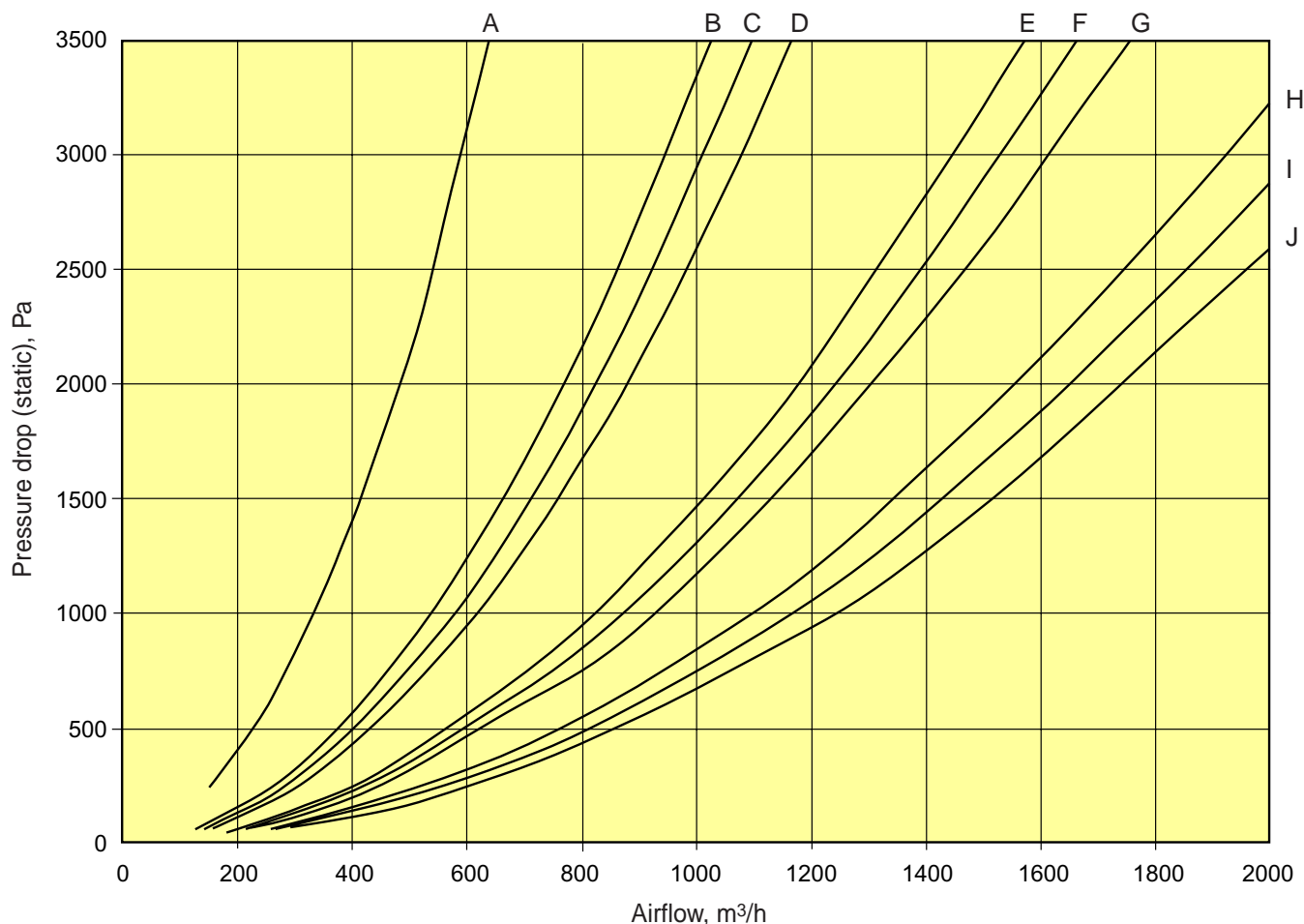
* with extended spring

Pressure drop

(pressure drop over reel when most of the hose is uncoiled)

Reel with exhaust hose NR-CP or NR-B

- | | | | |
|------------------|------------------|------------------|-----------------|
| A. 75 mm, 5 m | B. 100 mm, 10 m | E. 125 mm, 10 m | H. 150 mm, 10 m |
| C. 100 mm, 7.5 m | F. 125 mm, 7.5 m | I. 150 mm, 7.5 m | |
| D. 100 mm, 5 m | G. 125 mm, 5 m | J. 150 mm, 5 m | |



Airflow

For exhaust extraction systems in vehicle repair shops where engines are running without load and with low rpm's, the following airflow can be used as a guidelines:

Cars = 400 m³/h **Trucks** = 1000 m³/h

Environmental data

For Exhaust Hose Reel 865 SD & S, without hose.
Recyclable weight-%: 100

The majority of Nederman's products are manufactured within ISO 9001 and ISO 14001-certified system.

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