

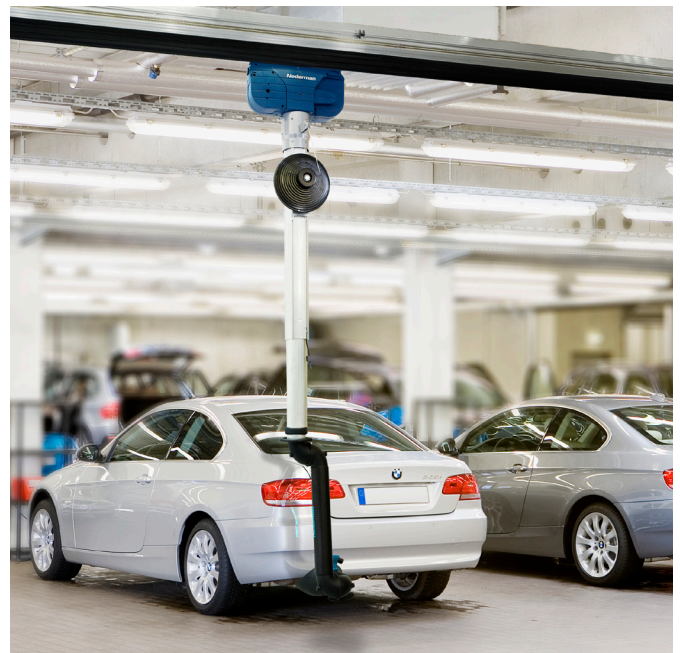
# Touchless Extraction System

## Stationary system for cars with all types of exhaust pipes



Easy to handle systems for all types of cars. Consists of a basic rail system which is completed with a touchless extraction unit. Very high extraction efficiency. One extraction unit can serve several work bays. Extraction units are easy to move, thanks to light-weight material and ball bearing wheels. Designed to minimize risk of damaging the car. Two units serve cars with twin exhaust pipes.

- Touchless – no scraping
- Universal – for all types of exhaust pipes
- Versatile – for cars on the floor or lifted
- Ergonomic – easy to maneuver and move between workstations
- Safe – no equipment on the floor
- Practical – out of the way when not in use
- Low maintenance cost – no hoses or other parts on the floor to be damaged



### Touchless extraction system

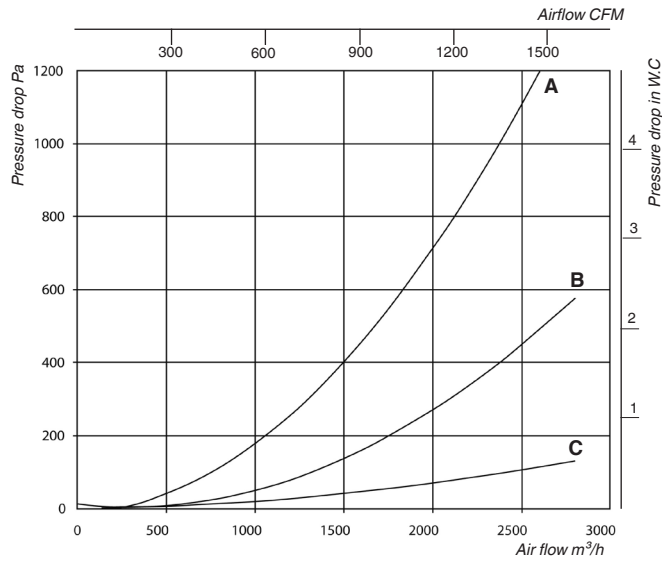
Configuration	Part no.
Including 1500 trolley	20808064
Excluding 1500 trolley	20808164

### Rail kit 920\*

Length, m	Length, ft	Part no.	Length, m	Length, ft	Part no.
2.5	8.2	20916020	22.5	73.8	20916820
5	16.4	20916120	25	82	20916920
7.5	24.6	20916220	27.5	90.2	20917020
10	32.8	20916320	30	98.4	20917120
12.5	41	20916420	35	114.8	20917220
15	49.2	20916520	40	131.2	20917320
17.5	57.4	20916620	45	147.6	20917420
20	65.6	20916720	50	164	20917520

\* Complete with suspension parts, joint connectors, rubber seals, end covers and end stops.  
For rail lengths > 50 m, please contact your local Nederman dealer.

### Rail 920 pressure drop

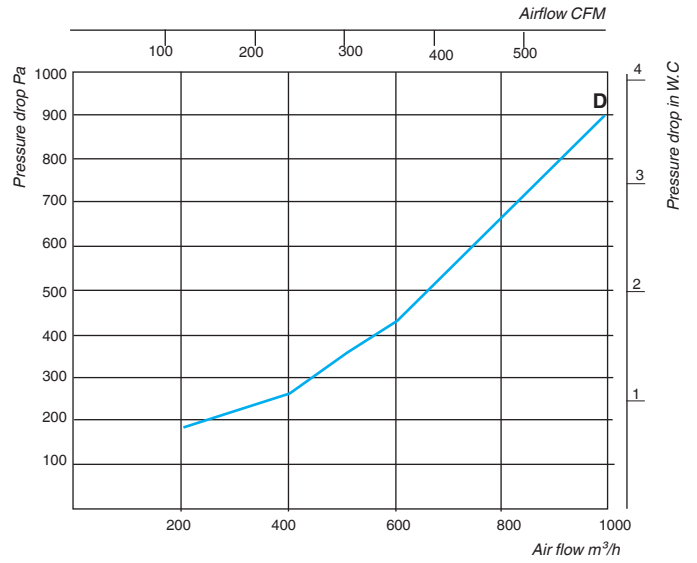


A= Top connection, Ø200 mm  
 B= Side connection, Ø160 mm  
 C= Rail 920, per metre

#### Airflow recommendations

Car: 600 m³/h (350 cfm)

### Pressure drop Telescope including trolley



D= Touchless extraction including trolley  
 Pressure drop approximately 55% less than corresponding system with hose

### Working area

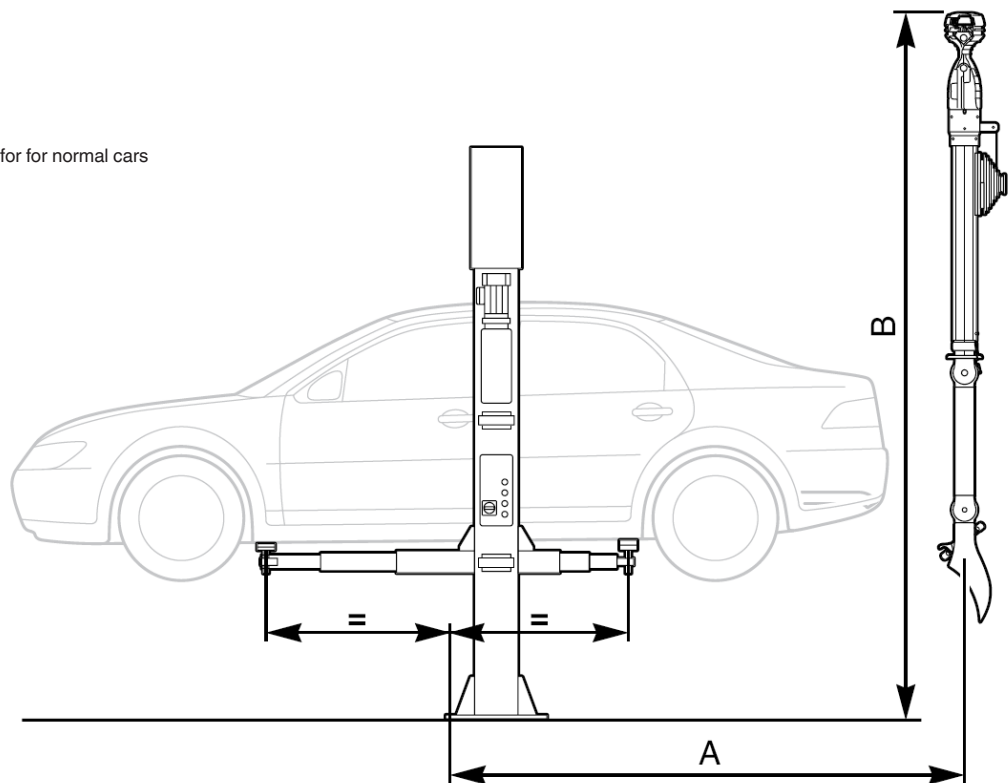
Vertical x horizontal: 2 x 1m (6x3')

Floor clearance when in parking position: 1,95 m (6')

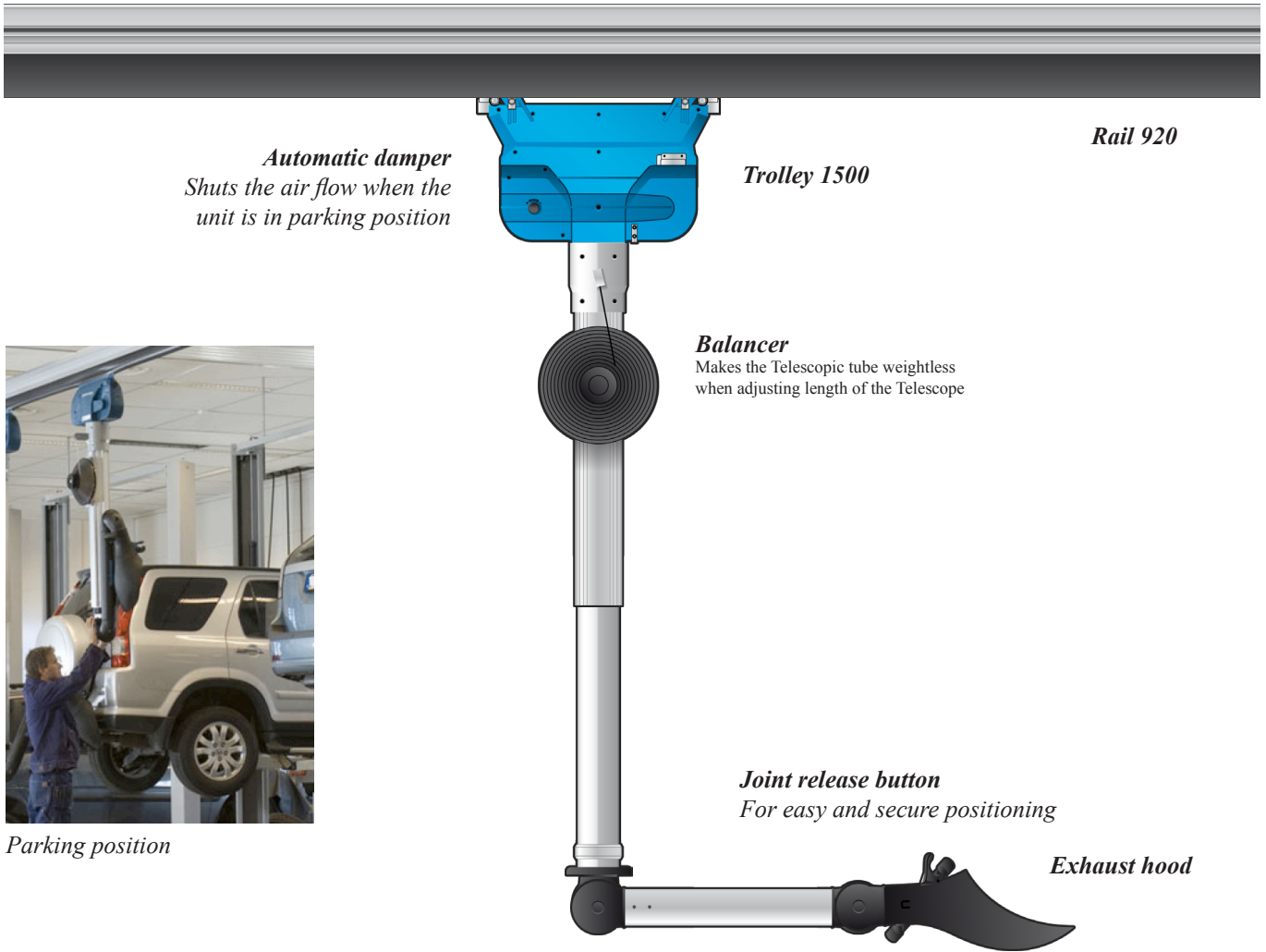
### Mounting

A = 2.8 m recommended distance for normal cars

B = 4.1 m (± 0.1 m)



**Functional description**



**Technical Data**

Touchless extraction unit	
Exhaust hood	EPDM
Arm Ø100mm (4")	Aluminium
Joints	Poly Amid
Telescopic section	Aluminium
Trolley	Glass-fibre composite 8 running wheels 4 guide wheels (all with sealed ball bearings) Resistant to all chemicals in diesel and petrol exhaust
Rail 920	
Rail profile	Aluminium, extruded, hardened, non-corrosive
Sealing lips	EPDM rubber, profiled, with inner low-friction layer, delivered in coils according to track length
End cover	Glass-fibre composite. Lid of galvanized sheet metal
Brackets	Sheet metal, galvanized With 100 mm (4") threaded rods for alignment

<b>Crosssection area</b>	230 cm <sup>2</sup> (36 in <sup>2</sup> )
<b>Temp. resistance</b>	Continuous 150 °C (302°F) Intermittent 180 °C (356°F)
<b>Weight</b> Complete extraction unit Rail incl sealing lips	37 kg (81 lbs) 6.7 kg/m (5 lb/ft)

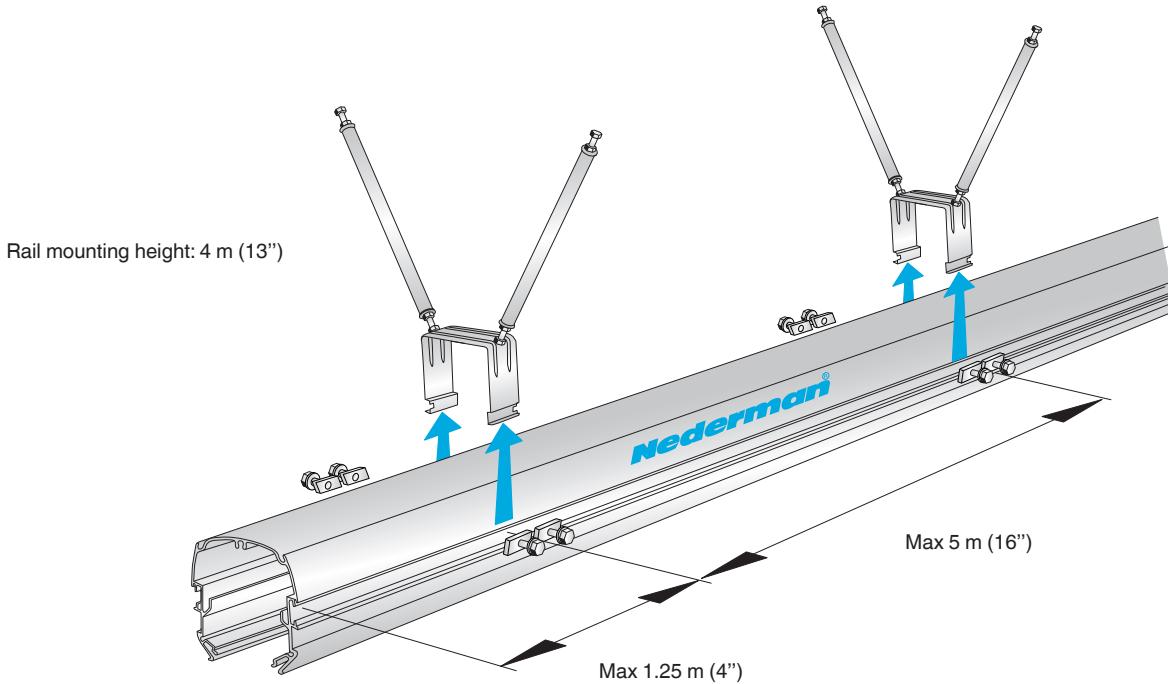
**Environmental data**

<b>Sound level</b>	The product, excluding fan, does not generate any sound.
<b>Recycling level</b>	100 %
<b>Energy consumption</b>	The product, excluding fan, does not consume any energy.

**Quick and easy to mount**

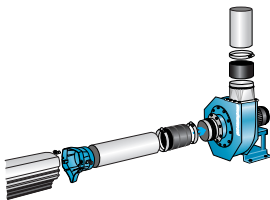
- Attach brackets to suitable suspension devices.
- Assemble rail sections on the floor.
- Lift rail sections and “click” them on to the brackets.
- Align rail horizontally with included threaded rods.
- Slide the complete extraction unit into the rail.

Accessories	Part no.
Top connection outlet Ø 200 mm	20374246
Adjustable suspension	20375375
Fan: See separate Technical Leaflet	

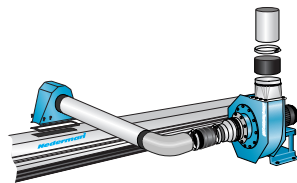


**Fan connection alternatives**

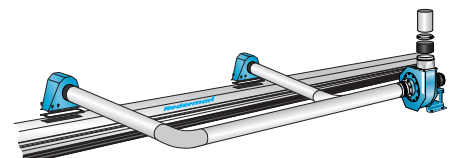
Depending on length of rail and number of extraction units on the rail, there are different connection alternatives and fans to choose. It is recommended that the fan is placed outdoors to give negative pressure in all indoor ducting.



**Side connection up to 1200 m<sup>3</sup>/h**  
 The end cover without lid can be used to connect the ducting to the fan. Connection Ø 160 mm (6,4 ") in sheet metal, is available.



**Top connection up to 2400 m<sup>3</sup>/h**  
 A connection cone (accessory) is mounted on top of the rail. Connection Ø 200 mm (8"). A hole for the cone, size 85 x 450 mm (3.3" x 17.7"), must be made in the rail.



**For more than 2400 m<sup>3</sup>/h**  
 Top connection with two or more cones (option). Connection Ø 200 mm (8").