

MagnaRail

Exhaust extraction system for emergency stations
with highest operational requirements



MagnaRail

- ✓ High exit speed: up to 25 km/h - 15 mph
- ✓ Exhaust pipes: low level or high level
- ✓ Capacity: up to 4 vehicles at a time
- ✓ For reverse-in or drive-through

MagnaRail is a high capacity system designed to handle highest operational requirements. Up to four vehicles can be attached to the same rail each with a designated disconnection point. For a drive through application for vehicles with either high level or low level tail pipes. The suction rail is formed in a configuration such that the extrusion serves not only as an exhaust duct, but also as the guide rail that the extraction trolley travels in. The rail is available in up to 30 m (98 ft). The fan/duct work can be connected to the rail via either a end outlet or top outlets (depending on length of rail).














Optional automatic start/stop device that offers:

- Practical control of fan start/stop
- Safe control of air quality (source ventilation automatically starts when vehicle engine starts)
- Simple programming
- Approval for radio equipment acc. to EC directives, FCC (USA) and IC (Canada)




MagnaRail

| | |
|----------------|----|
| Certifications | CE |
|----------------|----|

Models

| | Item no | Weight (lbs) | Diameter, hose (in) | Hose length (ft) |
|---|-------------------------|--------------|---------------------|------------------|
|  | 20813864 ^[1] | 6,8 kg/m | | |
|  | 20813964 ^[1] | 6,8 kg/m | | |
|  | 20814064 ^[1] | 6,8 kg/m | | |
|  | 20814164 ^[1] | 6,8 kg/m | | |
|  | 20814264 ^[1] | 6,8 kg/m | | |
|  | 20814364 ^[1] | 6,8 kg/m | | |
|  | 20814464 ^[1] | 6,8 kg/m | | |
|  | 20814564 ^[1] | 6,8 kg/m | | |
|  | 20814664 ^[1] | 6,8 kg/m | | |
|  | 20814764 ^[1] | 6,8 kg/m | | |
|  | 20814864 ^[1] | 6,8 kg/m | | |
|  | 20813364 ^[2] | 35 | 6 | 13 |
|  | 20813464 ^[2] | 37 | 6 | 10 |

Models













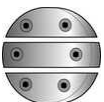
| | Item no | Weight (lbs) | Diameter, hose (in) | Hose length (ft) |
|---|-------------------------|--------------|---------------------|------------------|
|  | 20813564 ^[2] | 29 | 5 | 13 |
|  | 20813664 ^[2] | 29 | 5 | 10 |
|  | 20813764 ^[3] | 19 | 6 | 6,5 |

^[1] Includes - Busbar(2), Brackets (3), Trolley stop (4), End connection (5), Transformer (14)














^[2] Includes - Trolley (6), Balancer (7), Shockabsorber (8), Exhaust hose (9), Electro magnet assembly (11), Anchor plate (2), Disconnection box (13)

^[3] Includes - Extraction trolley, balancer, disconnection box, vertical hose, electr-magnet assembly, HL nozzle and anchor plate


Accessories

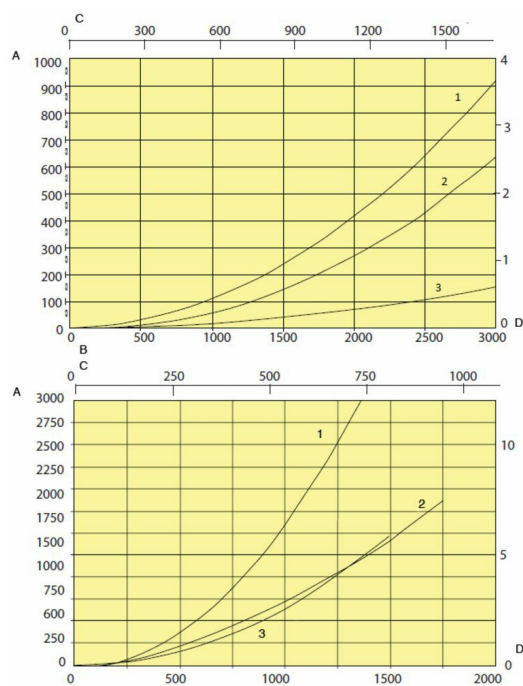
| | Accessory | Item no |
|---|---|----------|
|  | MagnaSystem Standard Nozzle Diameter = 6 in (160 mm) - Low Level (LL) | 20802164 |
|  | MagnaSystem HB 600 Nozzle Diameter = 5 in (125 mm) - Low Level (LL) - Anchor plate to be mounted 23.6 in (600 mm) from Exhaust Pipe | 20802364 |
|  | MagnaSystem HB 600 Nozzle Diameter = 6 in (160 mm) - Low Level (LL) - Anchor plate to be mounted 23.6 in (600 mm) from Exhaust Pipe | 20802264 |
|  | MagnaSystem HB 900 Nozzle Diameter = 6 in (150 mm) - Low Level (LL) - Anchor plate to be mounted 35.4 in (900 mm) from Exhaust Pipe | 20802464 |
|  | Twist support for Magna Systems - HL nozzle | 20374364 |
|  | Extension handle/shaft for Magna Systems - HL nozzle (17) | 20374359 |
|  | 2 Piece Anchor plate shutter for MagnaRail | 20371853 |
|  | Transmitter vehicle GHz | 20376723 |
|  | Receiver GHz | 20376724 |
|  | Handheld transmitter GHz | 20376725 |
|  | Top Mounted Round Exhaust Outlet for 920 and MagnaRails - Outlet Diameter = 8 in (200 mm) | 20374246 |
|  | Hose protection ø130/160 (Pair) | 20374428 |
|  | 3 Piece Anchor plate shutter for MagnaRail and MagnaTrack | 20371868 |

Accessories

| | Accessory | Item no |
|---|--|----------|
|  | Transformer 230/24 V / 15 VA for MagnaRail | 20374242 |
|  | Transition 16 ga Galv for 920 Rail / MagnaRail - Diameter: 6.3 in (160 mm) to = 6 in (150 mm) | 20373760 |
|  | Anchor plate for MagnaRail/MagnaRail Green/MagnaTrack ST Green | 20372003 |
|  | Receiver Gen II US | 89116065 |
|  | Oval Nozzle for Dual Ppipe Vehicle Exhaust - 6 in (160 mm) | 86900371 |
|  | Flex Nozzle ONLY - 6 in (150 mm) with 9 in (225 mm) opening 2007en | 89298061 |
|  | Flex Nozzle ONLY - 6 in (150 mm) with 8 in (200 mm) opening 2007en | 89298064 |
|  | Fan Motor Starter Auto Start Control Panel - 3 HP / 208-230 V / 3 PH / 60 Hz | 89116051 |
|  | Fan Motor Starter Auto Start Control Panel - 3 HP / 208-230 V / 1 PH / 60 Hz | 89116050 |
|  | Fan Motor Starter Auto Start Control Panel - 5 HP / 208-230 V / 1 PH / 60 Hz w/ASlbd | 89116052 |
|  | HB900 High Temp Nozzle - 6 in (150 mm) for Magna Systems | 86900635 |
|  | HB600 High Temp Nozzle for low level (LL) Magna Systems - 6.25 in (160 mm) 23 in (600 mm) - 570 F(280 C) | 86900123 |
|  | Lift-pole for MagnaRail and Attachments | 87000327 |

Accessories

| | Accessory | Item no |
|---|---|----------|
|  | Flex Nozzle ONLY - 6 in (150 mm) with 10 in (250 mm) opening 2007en | 89298065 |



A: Pressure drop, Pa B: Airflow, m³/h C: Airflow cfm D: Pressure drop, in w.c. Top diagram: 1 = Top connection angled, Ø 200 mm 2 = End connection 3 = Exhaust rail, per metre Bottom diagram 1 = Extraction unit LL, hose 4 m, Ø130 mm 2 = Extraction unit LL, hose 4 m, Ø160 mm 3 = Extraction unit HL, hose 2 m, Ø160 mm