

MagnaRail

Exhaust extraction system for emergency stations
with highest operational requirements



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)

- 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

Product name	MagnaRail
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MagnaRail














Description	Diameter, hose (in)	Hose length (ft)	Weight (lbs)	[model]
Exhaust rail L=2.5m (8') MR			49 lbs/ft	20813864*
Exhaust rail L=5.0m (16.4') MR			49 lbs/ft	20813964*
Exhaust rail L=7.5m (24.5') MR			49 lbs/ft	20814064*
Exhaust rail L=10.0m (33') MR			49 lbs/ft	20814164*
Exhaust rail L=12.5m (41') MR			49 lbs/ft	20814264*
Exhaust rail L=15.0m (49') MR			49 lbs/ft	20814364*
Exhaust rail L=17.5m (57') MR			49 lbs/ft	20814464*
Exhaust rail L=20.0m (66') MR			49 lbs/ft	20814564*
Exhaust rail L=22.5m (74') MR			49 lbs/ft	20814664*
Exhaust rail L=25.0m (82') MR			49 lbs/ft	20814764*
Exhaust rail L=27.5m (90') MR			49 lbs/ft	20814864*
Exhaust rail L=30.0m (99') MR			49 lbs/ft	20814964*
Extraction unit 4m (13') ø 6"	6	13	29	20813364**
Extraction unit 3m (10') 6"	6	10	29	20813464**
Extraction unit 4m (13') 5"	5	13	29	20813564**
Extraction unit 3m (10') 5"	5	10	29	20813664**
Extraction unit 2m (6.5') 6" (10b) High level exhaust pipes	6	6,5	42	20813764***

*Includes - Busbar(2), Brackets (3), Trolley stop (4), End connection (5), Transformer (14)


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

***Includes - Extraction trolley, balancer, disconnection box, vertical hose, electr-magnet assembly, HL nozzle and achor plate

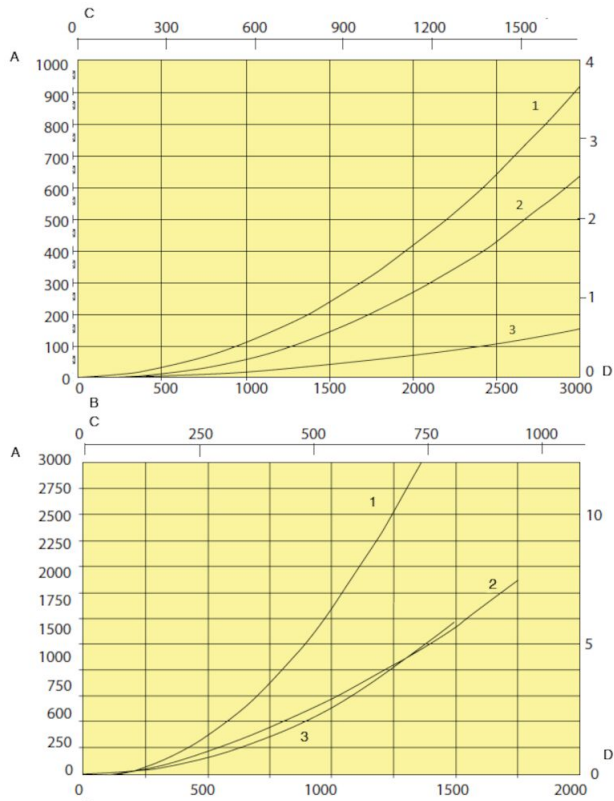
MagnaRail

	[accessory]	[partno]
	MagnaSystem Nozzle Standard (10a)	20802164
	MagnaSystem Nozzle Ø130 (5") HB 600 Low Level (10a)	20802364
	MagnaSystem Nozzle Ø160 (6") HB 600 Low Level (10a)	20802264
	MagnaSystem Nozzle Ø160 (6") HB 900 Low Level (10a)	20802464
	Twist support, HL nozzle (16)	20374364
	Lengthening shaft, HL nozzle (17)	20374359
	Anchor plate shutter in two parts	20371853
	Transmitter vehicle GHz	20376723
	Receiver GHz	20376724
	Handheld transmitter GHz	20376725
	Top outlet Ø200 (8 in) for 920	20374246
	Hose protection Ø130/160 (Pair)	20374428
	Anchor plate, shutter: in 3 parts	20371868
	Transformer compl. 24V/15VA	20374242
	Reduction Ø160 (6.25 in)-Ø150 (6 in)	20373760
	Anchor plate for magnatrack.	20372003
	Receiver Gen II US	89116065
	6 In. HB Nozzle, Only for Dual Pipe	86900371
	Flex Noz ONLY 6" w 9" opening 2007en	89298061
	Flex Nozzle only, 8 inch opening	89298064
	ЭНР/ЭРН/208-230V Auto-Start Control Console	89116051
	Auto-Start Control Panel ЭНр/1Ph/208-230Vw/ASlbd	89116050

MagnaRail

	[accessory]	[partno]
	5HP/1PH/208-230V Auto-Start Control Console	89116052
	HB900 High Temp nozzle	86900635
	HB600 High Temp (6in.) Nozzle for Magna System	86900123
	Extension handle. HL nozzle.	87000327
	Flex Noz ONLY 6"w10"opening2007en	89298065

MagnaRail



A: Pressure drop, Pa
 B: Airflow, m³/h
 C: Airflow cfm D: Pressure drop, in w.g.

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

Airflow recommendations:

- Heavy vehicles: 1000 - 1200 m³/h
- Car / SUV: 400 - 600 m³/h