

Motorized Hose Reels – MHR

Take your exhaust hose right to the top.

MHR will neatly store exhaust hose out of your way and clear of the work area when not in use. The proof of a great product is when your employees use it and the MHR is a great product!



Direct drive motor

Direct drive motor eliminates service by eliminating the need for replacement belts or chain drives.



- 100% maintenance free
- Sealed ball bearings
- Adjustable up/down positioning
- 120/240 Volt
- 1 phase only

Electrical key sets

Key sets are available in five styles to suit your application.



- Wall mount push button
- Hanging key set
- Radio transmitter key set
- Microswitch starter
- Auto start controller

TECHNICAL DATA

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Prod. no.	Drum width	Hose connection	Max hose length on drum	Duct connection	Weight w/o hose
MHR-650-100	650 mm/25.6"	Ø 100 mm/4"	10.0 m/32.8 ft	Ø 160 mm/6.3"	46 kg/101 lbs
MHR-650-125	650 mm/25.6"	Ø 125 mm/5"	8.5 m/27.9 ft	Ø 160 mm/6.3"	46 kg/101 lbs
MHR-650-150	650 mm/25.6"	Ø 150 mm/6"	7.5 m/24.6 ft	Ø 160 mm/6.3"	46 kg/101 lbs
MHR-850-100	850 mm/33.5"	Ø 100 mm/4"	13.0 m/42.6 ft	Ø 160 mm/6.3"	51 kg/112 lbs
MHR-850-125	850 mm/33.5"	Ø 125 mm/5"	11.0 m/36.1 ft	Ø 160 mm/6.3"	51 kg/112 lbs
MHR-850-150	850 mm/33.5"	Ø 150 mm/6"	10.0 m/32.8 ft	Ø 160 mm/6.3"	51 kg/112 lbs
MHR-1050-100	1050 mm/41.3"	Ø 100 mm/4"	16.0 m/52.5 ft	Ø 160 mm/6.3"	56 kg/123 lbs
MHR-1050-125	1050 mm/41.3"	Ø 125 mm/5"	14.0 m/45.9 ft	Ø 160 mm/6.3"	56 kg/123 lbs
MHR-1050-150	1050 mm/41.3"	Ø 150 mm/6"	12.5 m/41.0 ft	Ø 160 mm/6.3"	56 kg/123 lbs

- The MHR/MHRF cassette with power supply 1 ph, 230 V, 50 Hz will lift hose/nozzle combinations up to 23 kg/50 lbs. The MHR/MHRF cassette with power supply 1 ph, 120 V, 60 Hz will lift hose/nozzle combinations up to 15 kg/33 lbs. The MHR/MHRF cassette with power supply 1 ph, 220 V, 60 Hz will lift hose/nozzle combinations up to 23 kg/50 lbs. (Hose and nozzle must be ordered separately.)
- Hose reels with fans are available in all common worldwide voltages.
- Hose reels can be integrated with PlymoVent Intelligent Control Equipment, see pages 48-54.

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Case Study – Pacific Detroit Diesel Allison, USA



Customer

Pacific Detroit Diesel Allison
Location: Ridgefield, WA.
PlymoVent Dealer: Pacific Air
Consultants, Inc. La Center, WA.

Problem

New building with high ceilings. Customer requires effective and easy to operate vehicle exhaust system for 21 stations at temperatures up to 315°C/600°F. Since each station will rarely be in use at the same time, an energy saving concept for the fans was desired.

Solution and how we did it

PlymoVent vehicle exhaust system, using 21 MHR-850 motorized reels

with EG-150-10 and Stack-150-250 vertical nozzle with cane accessory. ASE-12 automatic dampers were installed for each motorized hose reel deliver airflow only to the reels in use.

This allowed the customer an installation choice of (2) PlymoVent 10HP 7500 fans with automatic dampers, instead of two larger 25 HP fans also available from PlymoVent.

When the hose is let down or brought up, a microswitch is tripped which opens or closes the damper. When the first hose is let down the fan automatically starts. When the last hose is recoiled the fan automatically stops.

PlymoVent equipment supplied:

- 21 MHR-850-150 – Exhaust Reel
- 21 Hose mounting kits
- 21 EG-150-10 – Exhaust hose
- 21 FHC-24 – Free hanging keyset
- 21 Stack-150-250
- 21 TH-90
- 21 ASE-12 – Automatic damper
- 21 MSR-24 – Microswitch
- 2 FA-7500 – Fans, 10 HP
- 2 M-1000 – Control unit