



Specification

**TECHNICAL
INFORMATION**

PROJECT: _____
 LOCATION: _____
 ARCHITECT: _____
 ENGINEER: _____
 SALES ENGINEER: _____
 DATE: _____

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**MOTOR DRIVEN HOSE REEL SPECIFICATION
SERIES 9000-MTR**

The vehicle exhaust extraction system shall consist of a hose reel with a direct drive planetary gear function motor - asynchronous, single phase totally enclosed using **Standard:** 120 V, 60 hz, 2.7A, 320w, 14 RPM; (**Optional:** 230 V, 60 hz, 1.8A, 390w, 12 RPM). **SEE MOTOR FEATURES AND SPECIFICATIONS.**

Motor to be operated by a spring rocker switch standard, or optional 2-button switch. Rocker switch to be either mounted on the wall, column or switch can be wired directly to the hose reel and power cord dropped from the reel with the rocker switch mounted in box. Strain relief fittings to be used at both the box and junction on hose reel.

The hose reel shall consist of the following features:

The hose reel side mounting support frame shall be constructed of 11 gauge cold rolled steel. The side plates shall be drawn securely together by two heavy gauge "J" channel steel support braces. Each side plate has two pre-drilled 9/16" diameter holes for the mounting of the hose reel.

The hose drum shall be constructed of 16 gauge cold rolled steel. The drum shall be formed and rolled to an 18" diameter and strengthened by four inner support bars. These bars are secured to the drum end flanges and pull the drum tightly against the end flange.

The drum end flanges shall be constructed of 16 gauge cold rolled steel. The end flange outer edge shall be rolled to provide strength and rigidity. Each end flange shall have a center pressed 18" diameter groove. This groove allows the reel drum and end flange to mate so the drum is always centered in relationship to the end flange. The drums's inner support bars draw the end flange securely to the drum for added strength, quality and reliability.

The hose reel shall have a hose to drum connection fitting allowing for use of either 4", 5", 6" or 8" hose. The connection fitting supports an inner 6" or 8" diameter tube that completes the connection from the extraction hose to the side discharge connection fittings. The side discharge fitting is a complete bearing fitting and allows for the connection of the 6" or 8" diameter discharge duct.

The hose reel drum shall also be supplied with a hose tracking bar to guide the hose during recoiling function.

The entire hose reel shall be protected by P & L Virtralon polyester powder coating for longevity and to resist corrosion.

The motor operated hose reel shall be equipped with a manual override on the motor.