Portable Exhaust Removal Systems

For exhaust removal applications where stationary systems may not reach, the Airflow Systems V.E.S. Portable Removal System provides convenient exhaust removal for relief from the annoyance of vehicle exhaust. If not controlled, vehicle exhaust can contribute to worker illness, increase facility maintenance expense, and harm the sensitive electronics of diagnostic and service equipment.

Product Overview

• Removes exhaust rather than just re-circulating it within the facility.

• One-person operation is made easy with standard wheels and support stand.

• Provides powerful 225 CFM collection power in a portable package.

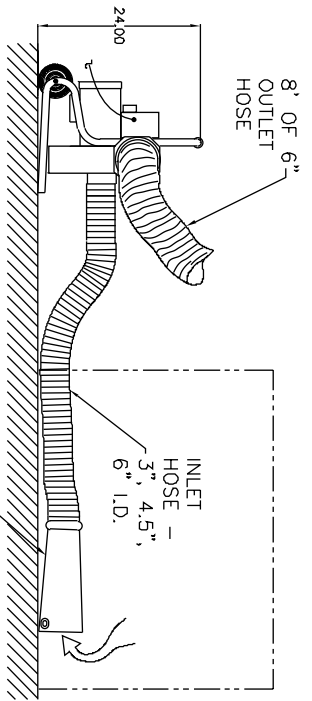• Operates with standard 115V power for use anywhere within a service bay.

Model Shown:
   The V.E.S. Portable Removal System with 3 inch Standard Tailpipe Connector, 3 inch by 30 foot hose, and a 24 foot, 12 gauge power cord.
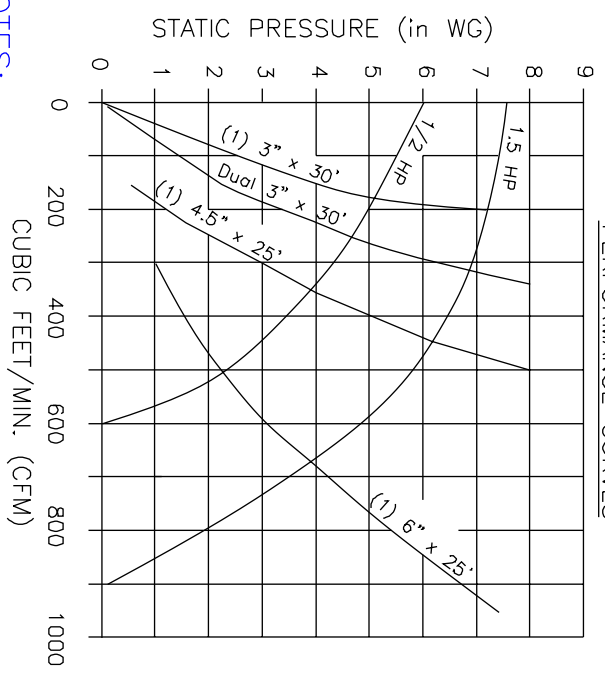
Lightweight and easy to handle, the V.E.S. Portable Removal System is a practical solution for providing exhaust removal in areas where conventional systems cannot reach.

Model No.	Product Description
VES3-P-1/2HP	Portable Exhaust Removal System consisting of a 1/2 HP TEPC motor/blower 115/1/60Hz with stand/mounting bracket, 30 feet of 3 inch hose, and 3 inch twist lock Tailpipe Connector
VES4-P-1/2HP	Portable Exhaust Removal System consisting of a 1/2 HP TEPC motor/blower 115/1/60Hz with stand/mounting bracket, 25 feet of 4.5 inch hose, and 4.5 inch oval Tailpipe Connector

Diversified Air Systems, Inc.
Phone: 800-264-8958
Email: info@divers-air.com
www.divers-air.com

PORTABLE SPECIFICATIONS:

PORTABLE:

☐ **1/2 HP:** Available with choice of 3"/4.5"/6" inlets to fit hoses of same diameter; includes tubular handle with rubber grip for rolling on 5" wheels. Choice of 1 or 3 phase motor/blower with powder coated metal parts; 115V units equipped with switch and 24 ft, 12 gauge power cord; 230/1ph and all 3 phase units utilize a motor electrical box for permanent wiring. See performance curves for operation with various hose diameters.

☐ **1.5 HP:** Same as above except more powerful blower for improved performance; see performance curves below.

VES3-P-1/2HP

☐ Portable exhaust collection system consisting of a 1/2 HP TEFC motor/blower 115/1/60Hz with stand/mounting bracket, 8 feet of 6 inch outlet hose, 30 feet of 3 inch inlet hose, and a 3 inch twistlock tailpipe connector.

VES4-P-1/2HP

☐ Portable exhaust collection system consisting of a 1/2 HP TEFC motor/blower 115/1/60Hz with stand/mounting bracket, 8 feet of 6 inch outlet hose, 25 feet of 4.5 inch inlet hose, and a 4.5 inch oval tailpipe connector.

ELECTRICAL:

☐ 1/2 HP Radial blower 115/230/1/60 *
☐ 1/2 HP Radial blower 208-230/460/575/3/60 *
☐ 1.5 HP Radial blower 115/230/1/60 *
☐ 1.5 HP Radial blower 208-230/460/575/3/60 *

* –(50 Hz motors available for worldwide use)

HOSE OPTIONS:

☐ 3" I.D. (10' increments) 30' std.
☐ 4.5" I.D. (25' increments) 25' std.
☐ 6" I.D. (25' increments) 25' std.

ACCESSORY OPTIONS:

☐ 3" Tailpipe connector w/twistlock
☐ 3" Oval tailpipe connector w/clamp
☐ 4.5" Oval tailpipe connector
☐ 4.5" Oval tailpipe connector w/clamp
☐ 3" CO_2 port
☐ 4.5" CO_2 port
☐ Rubber "Y" adapter, 3" x 3" x 3"
☐ 5" Rubber diesel stack connector
☐ 5" Aluminum side exhaust stack connector for trucks
☐ Starter, manual or magnetic

FIRE SUPPRESSION: Equipment provided by others.

VES3-P-1/2HP SHOWN

24.00

8', OF 6" OUTLET HOSE

INLET HOSE –
3", 4.5", 6", I.D.

See page 5 for tailpipe connector options.

PERFORMANCE CURVES

STATIC PRESSURE (in WG)

CUBIC FEET/MIN. (CFM)

(1) 3" x 30'
Dual 3" x 30'
(1) 4.5" x 25'
(1) 6" x 25'
1/2 HP
1.5 HP

NOTES:

ITEMS DESIGNATED AS ☑ ARE INCLUDED IN THIS PROPOSAL.

Diversified Air Systems, Inc.
Phone: 800-264-8958

DRAWN BY	CB
DATE	6-13-01
SCALE	NTS

TITLE: VES PORTABLE — PAGE 1 OF 7

DRAWING NO.: VESSPEC (77-3189/B)