

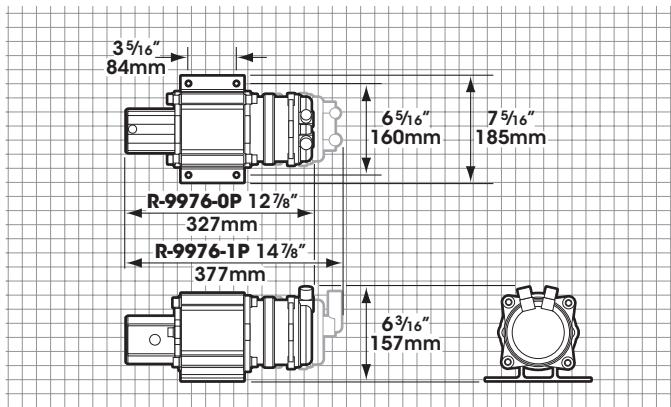
# R-9976

## Hydraulic Axial Direct Drive

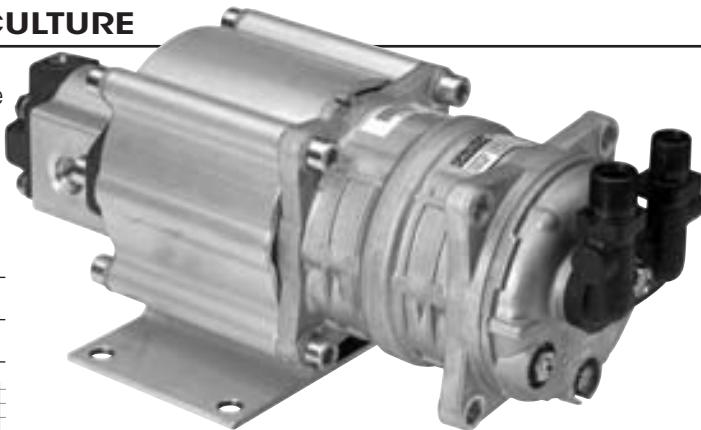
### CONSTRUCTION • MINING • AGRICULTURE

The perfect solution when you can't run the compressor directly from the engine. The R-9976 requires no belts, minimizes A/C hose length while maximizing performance. Compressor speed control is possible on this unit with a separate hydraulic device supplied by the installer.

|                  | GPM       | Maximum PSI | Compressor Displacement |
|------------------|-----------|-------------|-------------------------|
| <b>R-9976-0P</b> | 1.1 - 6.3 | 3,988       | 5 cu. in.               |
| <b>R-9976-1P</b> | 1.1 - 6.3 | 3,988       | 9.3 cu.in.              |



**WARNING:** Red Dot Corporation takes no responsibility for modifications to the vehicles hydraulic systems. All hydraulic modifications must be done by a certified hydraulic technician.



### HYDRAULIC CONTROL VALVE

For use with R-9976-0, -1

#### 72R9904 RD-5-11209-OP

Electrically piloted hydraulic control valve (normally open)  
24volt



#### 72R9912 RD-5-11210-OP

Used to convert 72R9904 (left) to 12 volts



# PRESSURIZER & REMOTE MOUNT FILTERS

## Booster Blower

### AGRICULTURAL • MINING • INDUSTRIAL

Attaching directly to the 78R5100 and 78R5110 remote mount filters (shown below) the Booster Blower forces dust free air into the cab through our heater and air conditioner units.

#### PRESSURIZER SPECIFICATIONS

|                     |  |
|---------------------|--|
| <b>AIR FLOW</b>     | 140 CFM (238m <sup>3</sup> /h) with filter; 230 CFM (391m <sup>3</sup> /h) free flow |
| <b>WEIGHT</b>       | 7 lbs. (3 kg)  |
| <b>MOTOR/FAN</b>    | One 12 VDC, single speed (24 VDC available)  |
| <b>CURRENT DRAW</b> | 10.2 amps @ 13.6 VDC<br>6 amps @ 27.2 VDC  |
| <b>DIMENSIONS</b>   | 4" inlet    3" outlet  |
| <b>UNITS</b>        | 73R9202 (12 VDC)<br>73R9204 (24 VDC)   |



## Remote Mount Filters

The integration of Red Dot's Remote Mount Filters with the Booster Blower guarantees your dust-free working environment.

#### BACKPACK MOUNT

##### 78R5000



#### HORIZONTAL MOUNT

##### 78R5100

10 1/4" Dia x 18" long  
(260mm x 457mm)



#### VERTICAL MOUNT

##### 78R5110

10 1/4" Dia x 23 3/4" long  
(260mm x 503mm)



#### REPLACEMENT PARTS

|              |              |
|--------------|--------------|
| Filter Model | 78R5000      |
| Filter       | 78R5200      |
| Hood         | RD-5-4288-OP |
| Band         | RD-5-4289-OP |
| Rubber Elbow | 78R5500      |

#### REPLACEMENT PARTS

|              |              |
|--------------|--------------|
| Filter Model | 78R5100      |
| Filter       | 78R5210      |
| Hood         | RD-5-5151-OP |
| Band         | RD-5-5150-OP |

#### REPLACEMENT PARTS

|              |              |
|--------------|--------------|
| Filter Model | 78R5110      |
| Filter       | 78R5210      |
| Hood         | RD-5-5152-OP |
| Band         | RD-5-5150-OP |

\* Cab pressure and protection level may vary with individual cab integrity



**Intake  
Replacement Filter**  
78R5200



**Fresh Air Intake  
Replacement Filter**  
78R5210



**Air Outlet Adapter  
For Pressurization**  
72R4531

# GIDEON TECHNOLOGY POWERED HVAC AIR FILTRATION SYSTEM

## Booster Blower

### AGRICULTURAL • MINING • INDUSTRIAL

Forces dust free air into the cab through our heater and air conditioner units. This unit will extend filter life by hundreds of hours. You will be able to maintain cab pressure, even when the A/C is off. You'll keep evaporator and heater cores clean and increase operator comfort.

**RESPA will help meet the May 2008 DPM Exposure Reduction Regulations and upcoming respirable silica limits.**

#### RESPA GIDEON PRECLEANER SPECIFICATIONS

|                     |  |
|---------------------|--|
| <b>WEIGHT</b>       | 18 lbs (8.16 kg)   |
| <b>MOTOR/FAN</b>    | One 12 VDC, single speed (24 VDC available)                        |
| <b>CURRENT DRAW</b> | 10.2 amps @ 13.6 VDC<br>6 amps @ 27.2 VDC                          |
| <b>DIMENSIONS</b>   | 24.5" long x 10 1/4" wide x 9 5/8" high                            |
| <b>UNITS</b>        | 78R5622 (12 volt) RD-5-12531-OP<br>78R5624 (24 volt) RD-5-12532-OP |

#### REPLACEMENT FILTER

78R5260 – High Efficiency Filter RD-5-12533-OP  
78R5261 – High Capacity Filter RD-5-12534-OP



#### STAND-ALONE GIDEON PRECLEANER SPECIFICATIONS

|                     |   |
|---------------------|---|
| <b>WEIGHT</b>       | 3.93 lbs. (1.78 kg)                         |
| <b>MOTOR/FAN</b>    | One 12 VDC, single speed (24 VDC available) |
| <b>CURRENT DRAW</b> | 10.2 amps @ 13.6 VDC<br>6 amps @ 27.2 VDC   |
| <b>DIMENSIONS</b>   | 9 7/8" long x 7 1/8" wide x 7 1/8" high     |
| <b>UNITS</b>        | RD-5-11859-OP 12v<br>RD-5-11860-OP 24v      |



#### SPECIFICATIONS

|                           |  |
|---------------------------|--|
| <b>WEIGHT</b>             | Horizontal: 37 lbs. (16.8 kg)<br>Vertical: 41 lbs. (18.6 kg)   |
| <b>MOTOR/FAN</b>          | One 12 VDC, single speed (24 VDC available)  |
| <b>CURRENT DRAW</b>       | 10.2 amps @ 13.6 VDC<br>6 amps @ 27.2 VDC  |
| <b>DIMENSIONS</b>         | <b>Precleaner:</b> 9 7/8" long x 7 1/8" wide x 7 1/8" high<br><b>Powered HVAC Filtration System:</b> 29 5/8" long x 7 1/8" wide x 9 5/8" high  |
| <b>UNITS</b>              | <b>12 volt</b> Horizontal: 78R5602 RD-5-11851-OP <b>LS</b><br>Vertical: 78R5612 RD-5-11853-OP <b>LS</b><br><b>24 volt</b> Horizontal: 78R5604 RD-5-11852-OP <b>LS</b><br>Vertical: 78R5614 RD-5-11854-OP <b>LS</b> |
| <b>REPLACEMENT FILTER</b> | 78R5259 RD-5-11855-OP <b>LS</b>  |

#### AIR FILTER SPECIFICATIONS

|   |                                |
|---|--------------------------------|
| <b>Media Area:</b>                            | 37.43 ft <sup>2</sup>          |
| <b>Outlet Diameter (ID):</b>                  | 4 inches                       |
| Rated for continuous use up to 230°F          |                                |
| <b>Efficiency:</b>                            | 99.9% (per SAE J726) fine dust |
| Filter media is water resistant               |                                |
| ● Remains ridged and retains shape when moist |                                |
| ● Does not wick water                         |                                |



**LS** = Limited to stock on hand