

**CONSTRUCTION:**

12 Gauge steel cabinet finished with a 2 part chemical and oil resistant paint. Includes hopper and stand, removable endcaps for easy access to filters, pressure gauge to indicate filter changes, and automatic cleaning. Also included is a direct drive radial motor/blower assembly. Motor starters/disconnects NOT INCLUDED.

**AIRFLOW:**

See chart below

**WEIGHT:**

See chart "A"

**ELECTRICAL:**

- 5 HP 208/230/460/3/60, 12.0/6.0 amps, radial blower, std.
- 3 HP 208/230/460/3/60, 8.0/4.0 amps, radial blower, opt.
- 5 HP 208/230/460/3/60, 12.0/6.0 amps, BI blower, opt.
- 7.5 HP 208/230/460/3/60, 17.2/8.6 amps, BI blower, opt.
- 10 HP 208/230/460/3/60, 24/12amps, BI blower, opt.

**FIRE SUPPRESSION:**

Equipment provided by others.

**SPECIAL NOTES:**

Compressed air filter provided by others.

**SPECIFICATIONS:**

**MAIN FILTERS:**

- (8)16"Diameter cartridges, CLEAN 2, std.
- (8)16"Diameter cartridges, FiberDust, opt.

**HEPA OPTION:**

- External HEPA filter, 99.97% (2000 CFM)
- External HEPA filter, 99.97% (4000 CFM)

**AD OPTION:**

- (2) External adsorbers, 50 lbs., refillable, followed by a 2" poly afterfilter (2000 CFM)
- (2) External adsorbers, 50 lbs., refillable, followed by a 2" poly afterfilter (4000 CFM)

**OTHER OPTIONS:**

- 55 Gallon Ild/hose
- 5 Gallon hopper
- Slide gate
- 20 Gallon hopper
- 50 Hz
- 575 Volt
- Single phase
- Silencer
- Raincap

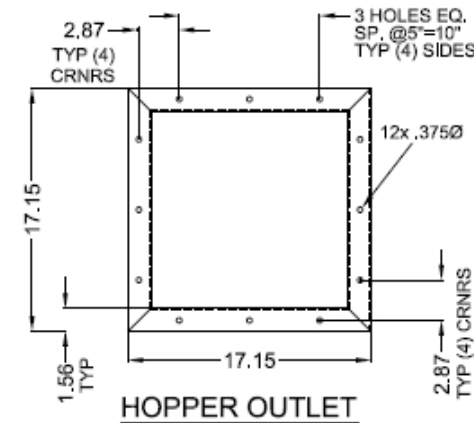
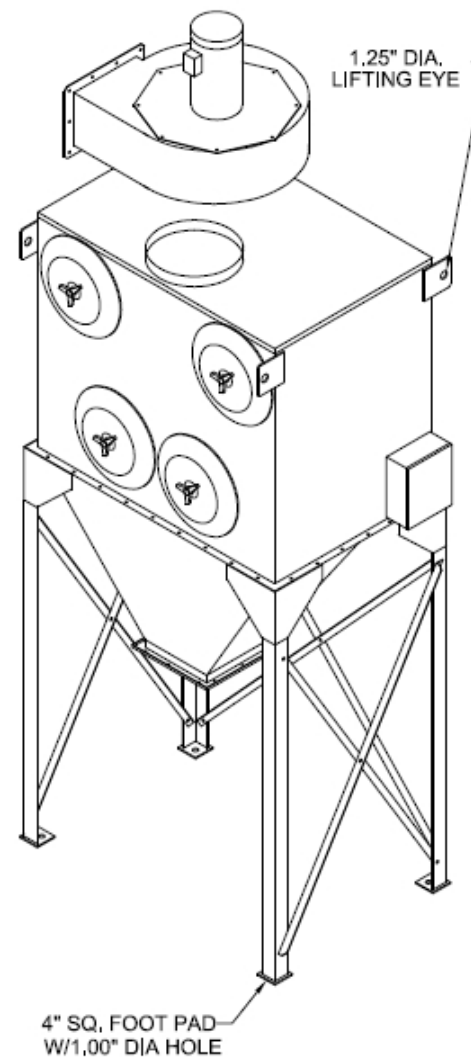
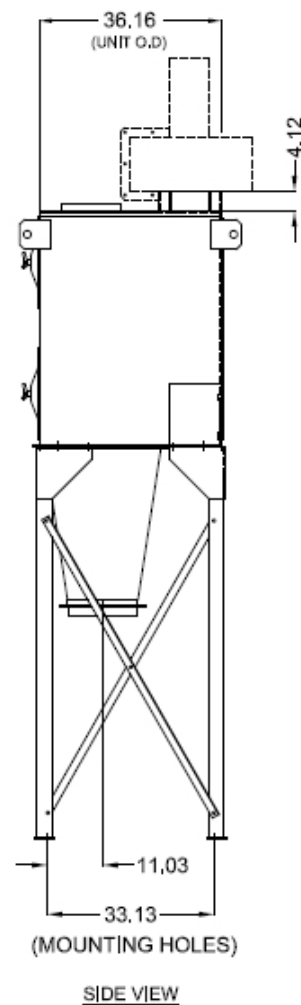
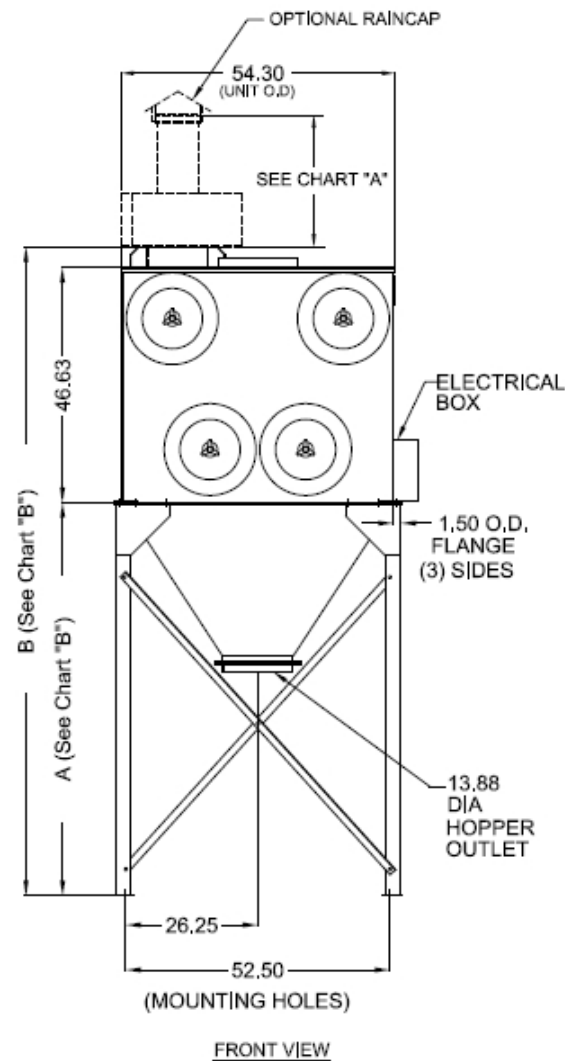
\* AFS FILTER EFFICIENCIES BASED ON ASHRAE 52-76 TEST METHOD

**CHART "B"**

| HOPPER SIZE | A  | B      |
|-------------|----|--------|
| 5/20 Gal.   | 54 | 104.75 |
| 55 Gal.     | 78 | 128.75 |

**CHART "A"**

| MOTOR/BLOWER OPTION | MTR/BLWR HEIGHT | dBA | dBA WITH SILENCER |
|---------------------|-----------------|-----|-------------------|
| 3 HP, RADIAL        | 15.00"          | 90  | 78                |
| 5 HP, RADIAL        | 19.50"          | 95  | 80                |
| 5 HP, BI            | 23.38"          | 84  | 75                |
| 7.5 HP, BI          | 26.25"          | 84  | 75                |
| 10 HP, BI           | 26.00"          | 95  | 80                |



| MOTOR/BLOWER OPTION | "wg EXTERNAL ADDED STATIC |      |      |      |      |      |      |      |      |      |
|---------------------|---------------------------|------|------|------|------|------|------|------|------|------|
|                     | 1                         | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   |
| 3 HP, RAD.          | 1650                      | 1600 | 1550 | 1450 | 1370 | 1180 | 910  | 605  | —    | —    |
| 5 HP, RAD.          | 2025                      | 1970 | 1890 | 1760 | 1600 | 1450 | 1300 | 1125 | 925  | —    |
| 5 HP, BI            | 3550                      | 3350 | 3075 | 2700 | 2275 | 1700 | —    | —    | —    | —    |
| 7.5 HP, BI          | 4950                      | 4800 | 4550 | 4250 | 3875 | 3300 | 2500 | —    | —    | —    |
| 10 HP, BI           | 5500                      | 5375 | 5250 | 5100 | 4950 | 4750 | 4550 | 4350 | 4100 | 3850 |

CUBIC FEET PER MINUTE (CFM)

04-04

CUSTOMER:  
 CUSTOMER P.O.:  
 PROJECT:  
 ENGINEER:  
 SALES REP.:  
 IDENTIFICATION / TAGGING:

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Drawn by: Janos B  
 Date: 5/1/2008  
 Scale: NTS  
 Weight: N/A

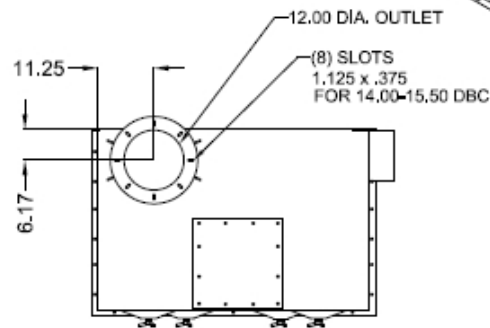
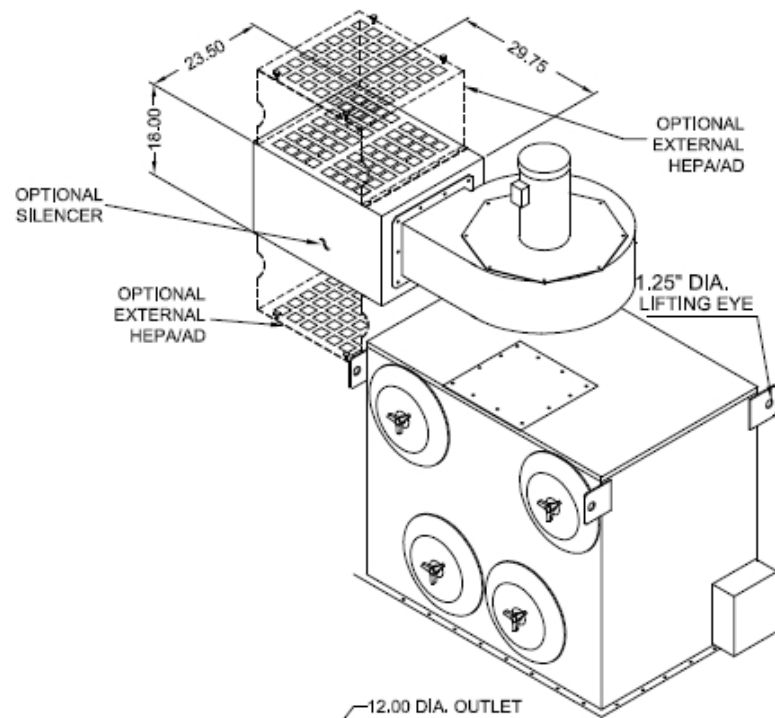
**04-04 DC-8**

**CARTRIDGES DUST COLLECTOR**

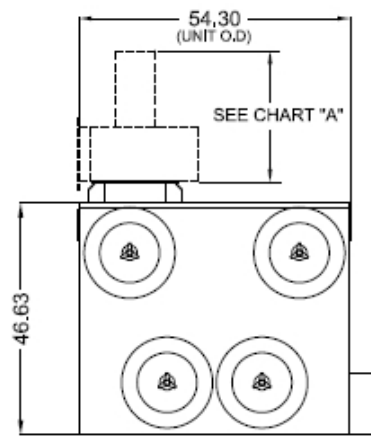
Specification Drawing

Drawing No.: - File Name: (04-04) DC-8 - SD  
 Material: Product manufactured by: **Airflow SYSTEMS INC.** Sheet: 1/2

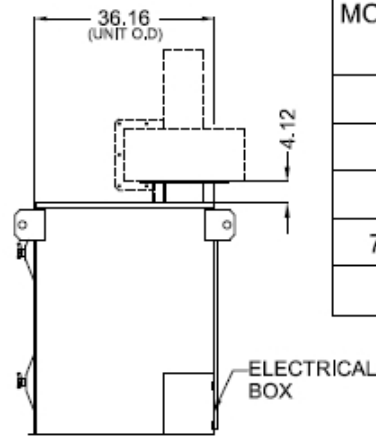




TOP VIEW



FRONT VIEW



SIDE VIEW

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12 Gauge steel cabinet finished with a 2 part chemical and oil resistant paint. Includes removable endcaps for easy access to filters, pressure gauge to indicate filter changes, and automatic cleaning. Also included is a direct drive radial motor/blower assembly. Motor starters/disconnects NOT INCLUDED.

**WEIGHT:**

1224 lbs.

**AIRFLOW:**

See chart below

**NOISE:**

See chart "A"

**ELECTRICAL:**

- 5 HP 208/230/460/3/60, 12.0/6.0 amps, radial blower, std.
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**SPECIAL NOTES:**

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**HEPA OPTION:**

- External HEPA filter, 99.97% (2000 CFM)
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**AD OPTION:**

- (2) External adsorbers, 50 lbs., refillable, followed by a 2' poly afterfilter (2000 CFM)
- (2) External adsorbers, 50 lbs., refillable, followed by a 2' poly afterfilter (4000 CFM)

**OTHER OPTIONS:**

- 60 Hz
- 575 Volt
- Single phase
- Silencer
- Raincap

\* AFS FILTER EFFICIENCIES BASED ON ASHRAE 52-76 TEST METHOD

| MOTOR/BLOWER OPTION | "wg EXTERNAL ADDED STATIC |      |      |      |      |      |      |      |      |      |
|---------------------|---------------------------|------|------|------|------|------|------|------|------|------|
|                     | 1                         | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   |
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| 5 HP, BI            | 3550                      | 3350 | 3075 | 2700 | 2275 | 1700 | —    | —    | —    | —    |
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CUBIC FEET PER MINUTE (CFM)

**MODELS & OPTIONS:**

Part # Description

**Main System / Part**

- DC-8 Cartridge dust collector with (8) Clean 2® filters, front load, 5 HP motor/blower with AMCA Type B spark resistant aluminum blower wheel, and auto clean Vibra-Pulse® cleaning system with ½" regulator. Motor starters not included

**Fan / Motor Upgrades or Options (when ordering main unit)**

- DC-8-10HP-BI 10HP BI Blower Option for Standard DC-8 Unit
- DC-8-5HP-BI 5HP BI Blower Option for Standard DC-8 Unit
- DC-8-7.5HP-BI 7.5HP BI Blower Option for Standard DC-8 Unit
- DC-8-BIN VENT Filter Unit w/3HP Blower (less dust tray) Option for Standard DC-8 Unit
- DC-8-DEL Delete 3HP Blower from Standard Units (add nothing) Option for Standard DC-8 Unit

**Filter Options (when ordering main unit)**

- DC-8-EXT-AD2 External AD-2000 CFM (Includes Silencer) Option for Standard DC-8 Unit
- DC-8-EXT-AD4 External AD-4000 CFM (Includes Silencer) Option for Standard DC-8 Unit
- DC-8-EXT-HE2 External Hepa-2000 CFM (Includes Silencer) Option for Standard DC-8 Unit
- DC-8-EXT-HE4 External Hepa-4000 CFM (Includes Silencer) Option for Standard DC-6 Unit
- DC-8-FD FiberDust Cartridge Filter Option for Standard DC-8 Unit
- DC-8-HYD-045 Hydro-filter designed to help eliminate sparks. C/w 45 gallon drum, easy to remove lid, water level gauge, and all required ductwork

**Preventative Maintenance Pressure Gauges, etc. (when ordering main unit)**

- DC-8-PG-10 0-10" magna-helic pressure gauge, approximately 5" diameter size. Surface mounted.

**Misc. Options**

- DC-8-HOPPER-20 20 Gal. Hopper Option for Standard DC-8 Unit
- DC-8-HOPPER-5 5 Gal. Hopper Option for Standard DC-8 Unit
- DC-8-M/C-8 Manual Vibra Clean System Option for Standard DC-8 Unit
- DC-8-BLOCK OFF Block Off Components Option for Standard DC-8 Unit (required for on-line cleaning)
- DC-8-CASTERS Fixed & Swivel Casters Option for DC-8 Hopper-5 & Hopper-20 Units only
- DC-8-CHK DAMPER Inlet Check Damper Option for Standard DC-8 Unit
- DC-8-EXP VENT Explosion Vent Door Option for Standard DC-8 Unit
- DRUM-45 45 imperial gallon (55 US gallons) steel drum c/w lid.

**Sound Attenuation**

- DC-8-S-BI 5 & 7.5HP BI Blower Silencer Option for Standard DC-8 Unit
- DC-8-S-RAD 3 & 5HP Radial Silencer Option for Standard DC-8 Unit

**Installation Option & Accessories**

- DC-8-GATE Slide Gate Option for Standard DC-8 Unit
- DC-8-RS Rain Shield Kit Option for Standard DC-8 Unit

04-04

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Drawn by: Janos B  
 Date: 5/1/2008  
 Scale: NTS  
 Weight: N/A



**04-04 DC-8**  
**CARTRIDGES DUST COLLECTOR**  
 Specification Drawing

Drawing No.: - File Name: (04-04) DC-8 - SD  
 Material: Product manufactured by: Sheet: 2/2

