

F240 Dust Collector

Features & Benefits

- **Capacities to 6000 CFM:**
Handles toughest industrial applications.
- **Class II Belt-Drive Blower:**
Higher static pressure, longer filter life and greater reliability; non-sparking; no belts or pulleys to replace.
- **Non-electrostatic operation:**
High reliability, low maintenance.
- **Ultra-Seal® filter mounting:**
Eliminates contaminant bypass of filters.
- **High efficiency filter media:**
Provides maximum effectiveness; low air-to-cloth ratio extends cycles between filter changes.
- **Prewired to junction box:**
For fast, easy installation.



Dimensions

Width:	48.00"
Height:	27.00"
Depth:	67.00"

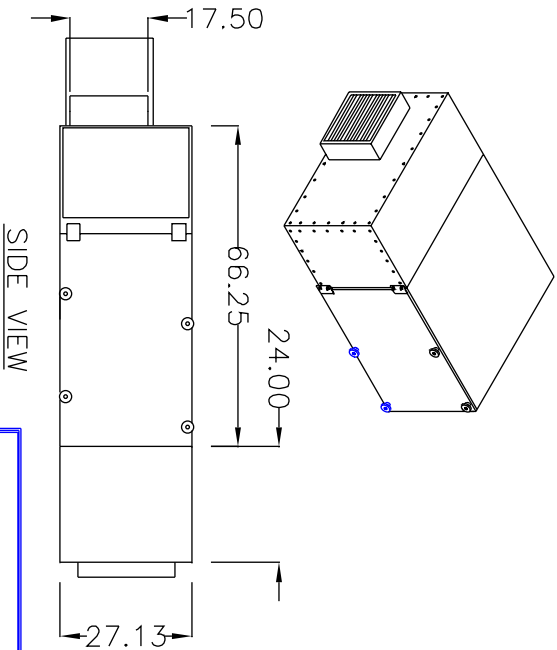
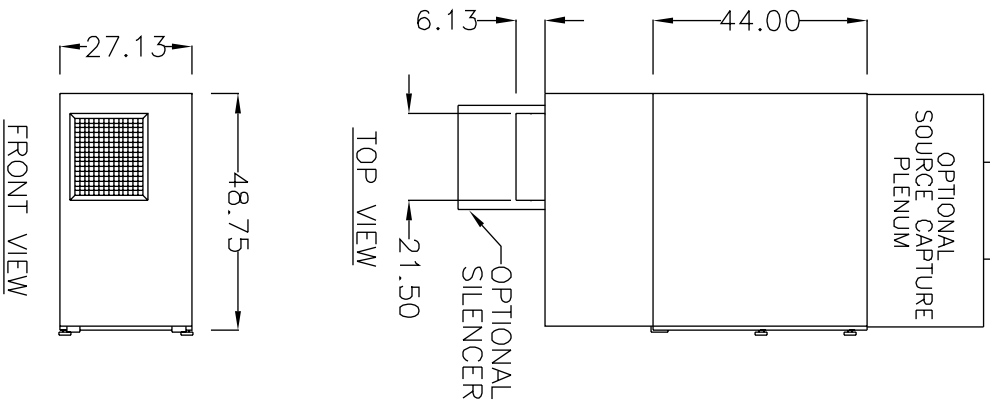
Options

- **Pressure Gauge Kit:**
Indicates when filters require cleaning.
- **Silencer:**
Reduces noise by 6 dBA.
- **Charcoal Adsorber Modules:**
Refillable modules control gases and odors.
- **HEPA After-Filter:**
provides 99.97% DOP efficiency.
- **Inlet Plenum**
- **Floor Stand:**
Allows on-floor mounting when on-machine or hanging mounts are impractical.

Specifications

- **Construction:**
16 ga. steel cabinet, powder coated
- **Blower Pkg (HP):**
5.0, 7.5
- **Noise Level (dBA):**
82
- **Electrical:**
5.0 HP - 208-230/460/3/60, 14/13.2/6.6 amps.
7.5 HP - 208/230/560/3/60, 20/10 amps.
5.0 HP - 190/380/3/50, 15.4/7.7 amps.
- **Nominal CFM (in.):**
4000-6000
- **Weight (lbs.):**
640

INLET CONFIG. OPT.
CUSTOMER SPEC.



CONSTRUCTION:

16 Gauge pointed steel cabinet with Ultra-Seal™ filter mounting system, side access door to filters and motor, belt driven ball bearing 15x15 Class II blower w/4-way adjustable airfoil blade exhaust grille. Motor wired to junction box outside unit. Motor starters/disconnects NOT included. 640lbs.

WEIGHT:

6000 CFM (4000 W/HEPA or V-Bank).

AIRFLOW:

- 5 HP 208-230/460/3/60, 14.0-13.2/6.6 amps, std.
- 7.5 HP 208-230/460/3/60, 20.0/10.0 amps, opt.
- 5 HP 230/1/60, 16.0 amps, opt.

NOISE:

82 dBA / 76 dBA with optional silencer

FILTER SEAL:

Ultra-Seal™ welded picture frame with positive sealing filter locking mechanism for all main filters, HEPA filter and odorizer modules (where used). Slide in tracks shall be used for prefilters only

FIRE SUPPRESSION:

Equipment provided by others.

SPECIFICATIONS:

PREFILTERS:

- (2) 4" Pleat, std.
- (2) Aluminum mesh, opt.
- (2) Chevron® filter, opt.

MAIN FILTERS:

- (2) 120 ft² multi-pocket 65% bog, std.
- (2) 120 ft² multi-pocket 95% bog, opt.
- (2) Easy clean, opt.

AFTER FILTERS:

- (2) 4" pleat prefilters followed by (2) 66 ft², 95% bog filters and (2) 99.97% HEPA filters.

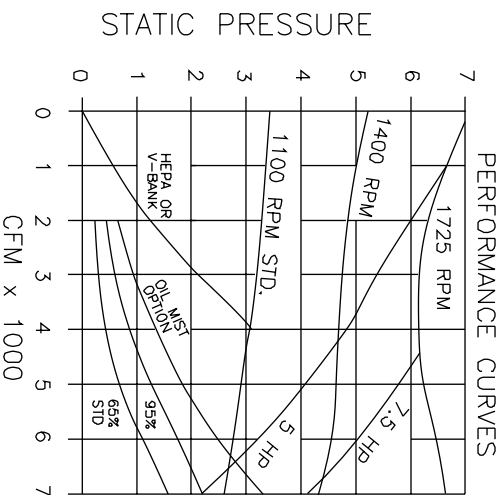
AD OPTION:

- (2) 4" pleat prefilters followed by (2) 66 ft², 95% bog filters, (4) refillable AD modules, 25 lb. capacity each, and (2) 2" pleat afterfilters.

OTHER OPTIONS:

- Pressure gauge kit indicates filter changes
- Source capture plenum
- Silencer kit
- 3/4" NPT Drain
- 1400 rpm Blower - High static
- 1725 rpm Blower - High static

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



PERFORMANCE CURVES

STATIC PRESSURE

CFM x 1000

NOTES:

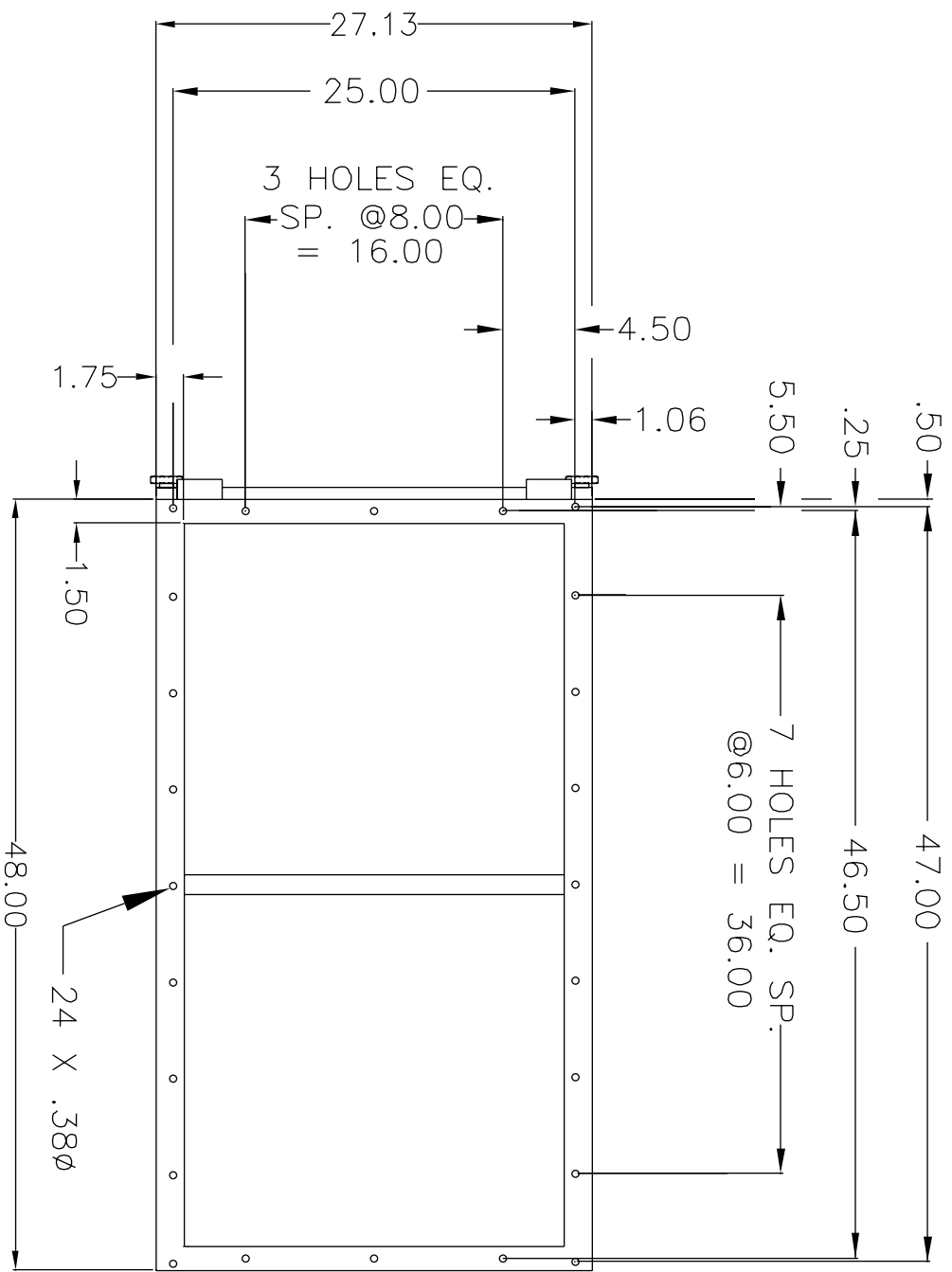
ITEMS DESIGNATED AS ARE INCLUDED IN THIS PROPOSAL.

SEE PAGE 2 FOR INLET HOLE PATTERN

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

DRAWN BY	TITLE
CB	MODEL F240
DATE 10-6-99	PAGE 1 OF 2
SCALE	DRAWING NO. F240SPEC (24-2356/G)

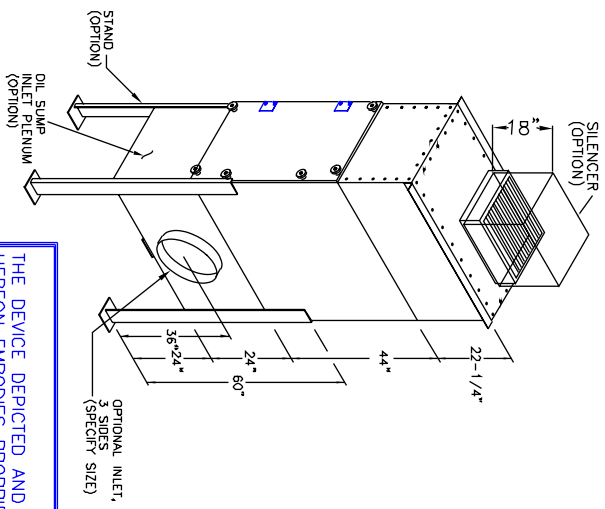
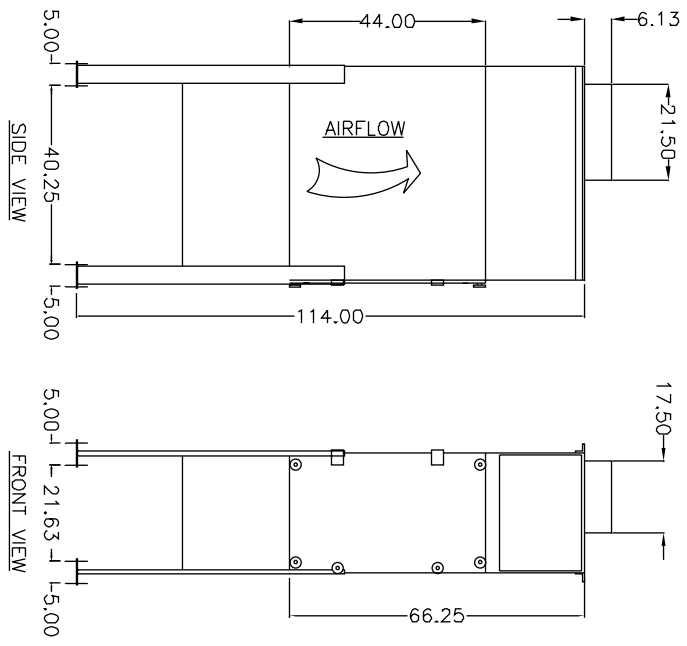
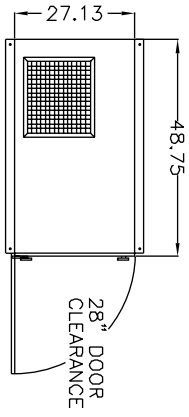


INLET VIEW

NOTES:
MOUNTING HOLE PATTERN TYP EACH END

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<p>DRAWN BY CB</p>	<p>TITLE MODEL F240</p>
<p>DATE 10-6-99</p>	<p>PAGE 2 OF 2</p>
<p>SCALE</p>	<p>DRAWING NO.: F240SPEC (24-2356/G)</p>



SPECIFICATIONS:

CONSTRUCTION:

16 Gauge painted steel cabinet with Ultra-Seal™ filter mounting system, side access door to filters and motor, belt driven ball bearing 15x15 Class II blower w/4-way adjustable airfoil blade exhaust grille. Motor wired to junction box outside unit. Motor starters/disconnects NOT included.

WEIGHT:

640lbs.

AIRFLOW:

- 6000 CFM (4000 W/HEPA or V-Bank).
- 5 HP 208-230/460/3/60, 14.0-13.2/6.6 amps, std.
- 7.5 HP 208-230/460/3/60, 20.0/10.0 amps, opt.
- 5 HP 230/1/60, 16.0 amps, opt.

ELECTRICAL:

NOISE:

82 dBA / 76 dBA with silencer

FILTER SEAL:

Ultra-Seal™ welded picture frame with positive sealing filter locking mechanism for all main filters, HEPA filter and adsorber modules (when used). Slide in tracks shall be used for prefilters only

FIRE SUPPRESSION: Equipment provided by others.

PREFILTERS:

- (2) 4" pleat, std.
- (2) Aluminum mesh, opt.
- (2) 2" polyester, opt.
- (2) Chevron® filter, opt.
- (1) Auto Roll, opt.

MAIN FILTERS:

- (2) 120 ft² multi-pocket 65% bog, std.
- (2) 120 ft² multi-pocket 95% bog, opt.
- (2) Easy clean, opt.
- (2) HEPA filter, 99.97%, preceded by 66 ft² 95% bog filter and 4" pleat, opt.

AFTER FILTERS:

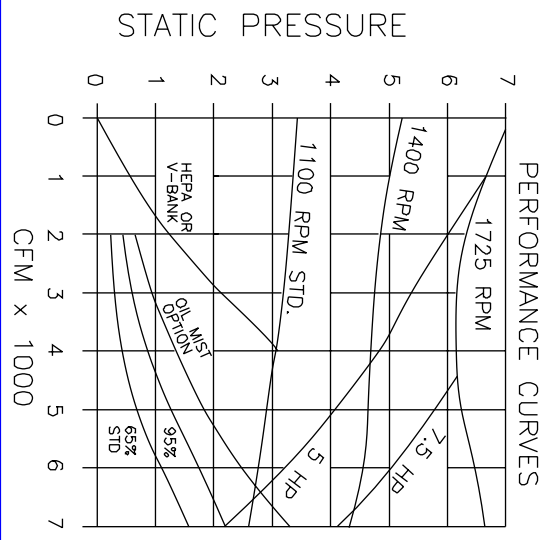
- (4) 25 lb. adsorber modules, refillable, with 66 ft² 95% multi-pocket filter (2), and (2) 2" pleat final filters, opt.

AD OPTION:

- Pressure gauge kit indicates filter changes
- Seamwelded source capture plenum
- Silencer
- 1400 rpm Blower - High static
- 1725 rpm Blower - High static

OTHER OPTIONS:

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



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

DRAWN BY: JRS
DATE: 10-6-99
SCALE: _____

TITLE: MODEL F240 VERTICAL
DRAWING NO.: F240VSPC (24-2356/E)