Model: 1227/500, 1332/500 &1437/500 (NP) Negative Pressure Specifications

The Vent-A-Kiln model 1227/500, 1332/500 & 1437/500 (NP) negative pressure ventilation system shall include a conical metal spun aluminum hood tapering to a 6.0" diameter exit. A single speed motor with fan (blower) mounted to wall by means of a support bracket, shall draw and propel exhaust fumes and heat via a flexible hose to a exterior surface mounted gravity operated louver. The placement of the hood and blower subassembly shall be user adjustable via an overhead pulley and counterweight system.

1) Conical collection hood:
   - Metal spun from 0.063 gage aluminum, alloy 1100-0.

2) Non-explosion proof blower
   - $\frac{1}{8}$ hp, 1/60/115 motor.
   - 450 cfm @ 0.0" w.g., 3.6 amps, 1600 rpm.
   - Maximum continous motor Temperature 250 deg. f..
   - Sound data; approximate db at 5 feet: high 68db, low 54db.

3) Flexible exhaust hose:
   - Triple ply laminate, aluminized polyester face and an aluminum foil backing.
   - Corrosion, moisture, temperature (250 deg. f.), and flame resistant.
   - 6.0" diameter, 10' (ft.) length.
   - Flexible hose fastened by plastic hose clamps (qty=2).
   - UL listed number 723.
   - Cut to shortest length permissible.

4) Exterior surface mounted louver:
   - 6.0" diameter discharge.
   - Bird screen.
   - Three (3) gravity operated shutters.

5) $\frac{3}{16}$" diameter plastic coated steel cable:
   - 10' (ft.) length.
   - Two (2) $\frac{3}{16}$" galvanized steel cable clamps for fastening cable to counterweight and blower.

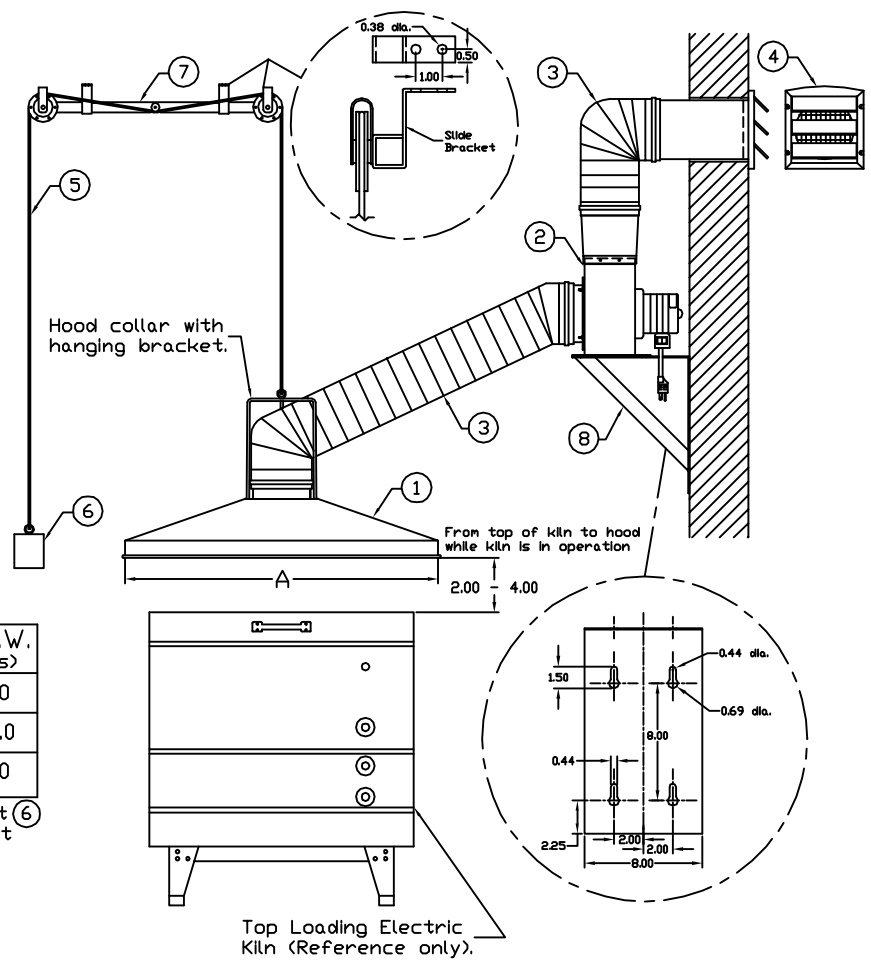
6) Counterweight:
   - 3.0" diameter cold rolled steel, painted VAF/VAK black.

7) Overhead pulley system:
   - 1.0"x1.0"x24.0" length structural tubing.
   - two (2) ball bearing pulleys and one (1) resistance pulley.
   - Two (2) slide brackets for hanging of system.
   - two (2) pulley safety straps.

8) Blower wall support bracket:
   - 12 gage steel.
   - Painted VAF/VAK black

Model	Hood Diameter A (in)	C.W. (lbs)	O.A.W. (lbs)
1227/500-NP	27.0	6.0	51.0
1332/500-NP	32.0	7.0	54.0
1437/500-NP	37.0	11.0	61.0

C.W. - Counter Weight (6)
O.A.W. - Overall Weight



All Dimensions Inches

LETTER	ALTERATION	DATE	BY
A	Replaces DWG: B-1072, B-1063 & B-1062	4/10/07	B.Brandon
B	Blower motor had two speeds	6/11/09	B.Brandon

UNLESS SHOWN OTHERWISE TOLERANCES SHOULD BE:
1.) .XXX ± .005
2.) .XX ± .01
3.) FRACTIONAL DIMENSIONS ± 1/32"
4.) ANGLES ± 0° 30'

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Vent-A-Fume
Vent-A-Kiln Corp.
51 Botsford Place
Buffalo, N.Y. 14216

Negative Pressure

TITLE: Model: 1227, 1332 & 1437/500-NP (P-10BP)

PROJECT NUMBER XXX
DRAWN BY B. Brandon
DATE 4/10/07
CHECKED BY
SCALE NTS
BILL OF MAT'L
NEXT ASS'Y
DWG. NO. B-1218
REV. B