

MODEL

- KBV - Vertical standard blower coil unit

FEATURES

- Galvanized steel cabinet construction, minimum 18 gauge
- 1" thick fiberglass or scrim foil face insulation
- 1" supply duct collars
- Gasketed, removable access panels on sides, sized for easy handling
- IAQ galvanized steel drain pan
- Left and right hand arrangement
- Hanger rod holes in base rail for "thru bolt" installation
- External rubber-in-shear or spring type vibration isolators (optional)
- Base rails with rigging slots factory assembled and installed (optional)
- Multiple fan arrangements
- Mixing Box (optional) with low leakage dampers in multiple arrangements

COOLING AND REHEAT COIL OPTIONS

- Chilled water - 3, 4, or 6 rows
- Direct expansion (DX) - 3, 4, or 6 rows
- Hot water - 1 or 2 rows
- Steam - 1 or 2 rows
- Electric heat - discharge mounting

COILS

- 1/2" O.D. seamless copper tubes
- Manual air vent plug on all water coils
- 0.016" tube wall on water and evaporator coils
- 0.025" tube wall on steam coils
- 300 PSIG working pressure at 200°F, tested at 450 PSIG
- High efficiency aluminum fin surface

FILTERS AND FILTER RACK

- Hinged side access flat filter racks
- 2" throwaway filter
- High efficiency filter rack with 2" and 4" filters (optional)

FAN ASSEMBLY

- Forward curved (double width, double inlet) fans
- Statically and dynamically balanced
- Solid steel shafting
- Ball bearings with a minimum design average life (L50) of 100,000 hours



BLOWER COIL UNITS

FAN MOTOR AND DRIVE

- NEMA design ODP motors
- 1750 RPM single speed, 60 Hertz
- Single phase motors with inherent thermal protection
- 3-phase motors (optional)
- Rigid mount adjustable motor base
- Standard cross section "V-belt" drive with 1.2 service factor
- Adjustable pitch motor pulley and fixed pitch blower pulley

OPTIONAL ELECTRICAL FEATURES

- Motor wiring in conduit
- Motor starter (contactor with an overload for 3-phase; contactor for 1-phase), factory installed
- Door interlocking disconnect switch
- Hand off auto switch (HOA)
- Main fusing

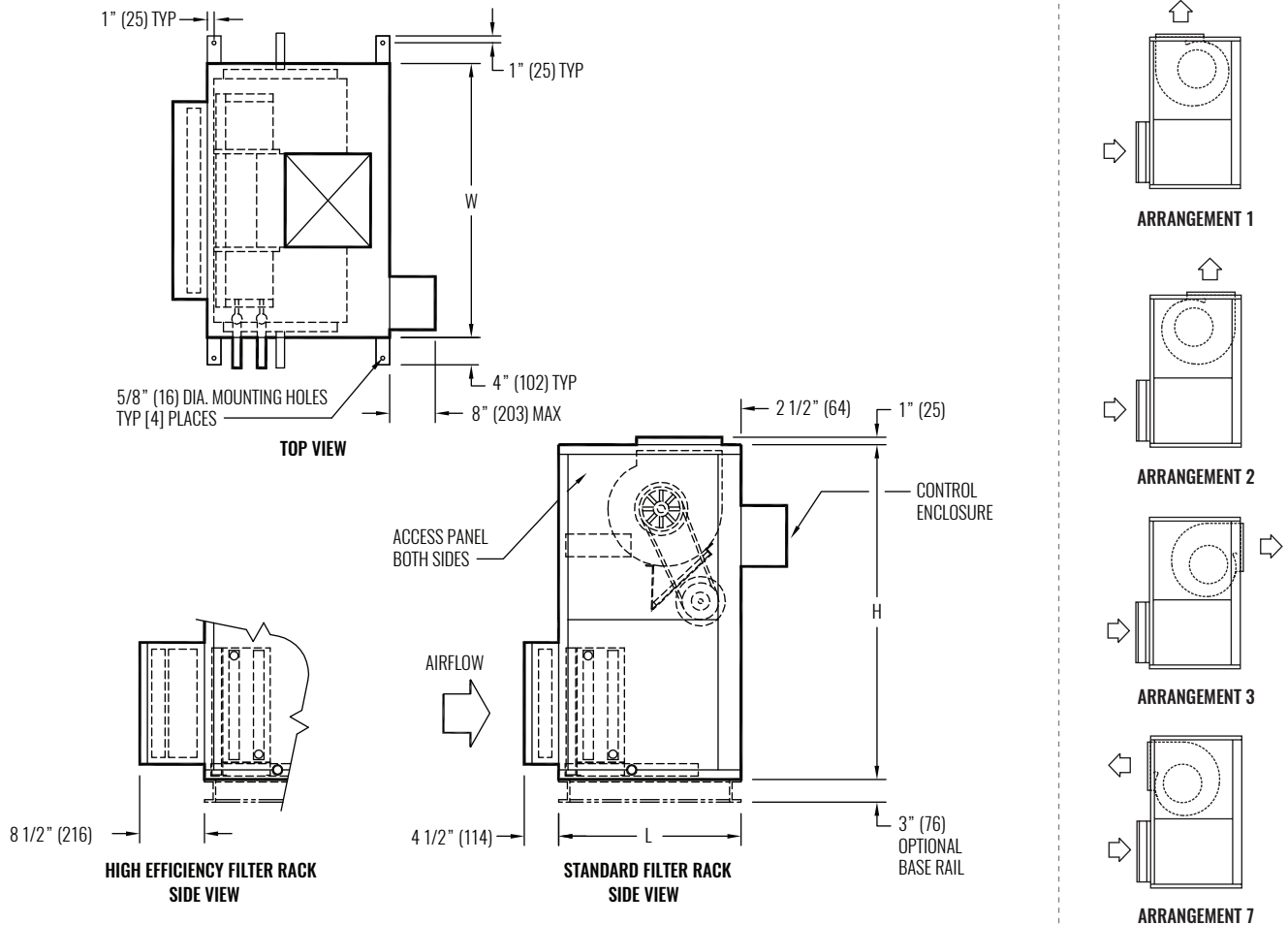
CERTIFICATIONS

- cETL Listed - Adherence to UL/ANSI Standard 1995
- AHRI 410 certified performance data

WEB SEARCH: KBV



DIMENSIONAL DATA



NOTES: Dimensions in parentheses are in millimeters (mm). See table below for dimensional references. Provide sufficient clearance to permit access to controls and comply with applicable codes and ordinances. Base rail is optional on the base unit. Base rails must be used with mixing box. Electric heaters are available in fan arrangement 3 and 7 only.

PERFORMANCE AND DIMENSIONAL DATA

SIZE	PERFORMANCE	DIMENSIONS			
UNIT SIZE	NOMINAL CFM	FAN SIZE	L	W	H
8	800	9" x 4" (229 x 102)	24" (610)	30" (762)	44" (1118)
12	1200	9" x 6" (229 x 152)	24" (610)	36" (914)	44" (1118)
16	1600	10" x 8" (254 x 203)	24" (610)	44" (1118)	44" (1118)
20	2000	10" x 10" (254 x 254)	30" (762)	50" (1270)	50" (1270)
30	3000	15" x 9" (381 x 229)	30" (762)	59" (1499)	56" (1422)
40	4000	15" x 11" (381 x 279)	30" (762)	68" (1727)	59" (1499)

NOTES: Dimensions in parentheses are mm. All dimensions are $\pm 1/4"$ (6mm). Metric values are soft conversion. Right hand unit shown, left hand unit opposite. Motor/drive location may be specified left hand or right hand. Standard control enclosure location matches motor/drive position. See coil connection sizes and locations.