



JOB NAME _____
 ENGINEER _____
 CONTRACTOR _____
 TAG _____

**KBH, KBV - HORIZONTAL & VERTICAL BLOWER COIL
 FEATURES AND OPTIONS**

SUBMITTAL SHEET

STANDARD FEATURES

CASING CONSTRUCTION:

- GALVANIZED 18 GAUGE STEEL CASING
- 1" THICK FIBERGLASS INSULATION
- 1" SUPPLY DUCT COLLAR
- GASKETED REMOVABLE ACCESS PANELS SIZED FOR EASY HANDLING
- GALVANIZED STEEL DRAIN PAN WITH 1-1/8" ODM COPPER OUTLET BOTH SIDES
- RIGHT AND LEFT HAND UNIT CONFIGURATION

FAN ASSEMBLY:

- FORWARD CURVED FAN
- STATICALLY AND DYNAMICALLY BALANCED
- SOLID STEEL SHAFTING
- BALL BEARINGS WITH DESIGN AVERAGE LIFE OF 100,000 HOURS

FAN MOTOR AND DRIVE:

- NEMA DESIGN ODP MOTORS
- 1750 RPM SINGLE SPEED, 60 HERTZ
- SINGLE PHASE, 115, 208/230, AND 277 VOLT
- THREE PHASE, 208/230, 460, AND 575 VOLT
- SLIDE TYPE ADJUSTABLE MOTOR BASE
- STANDARD CROSS SECTION "V-BELT" DRIVE WITH 1.2 DESIGN SERVICE FACTOR
- ADJUSTABLE PITCH MOTOR PULLEY AND FIXED PITCH BLOWER PULLEY

COILS:

- 1/2" OD SEAMLESS COPPER TUBES
- COLLARED AND CORRUGATED ALUMINUM FINS
- ARI 410 CERTIFIED AND LABELED
- 300 PSIG WORKING PRESSURE @ 200°F
- MANUAL AIR VENT FITTING ON ALL WATER COILS
- COPPER ODM SWEAT CONNECTIONS
- 0.016" TUBE WALL ON WATER COILS AND EVAPORATOR COILS
- 0.025" TUBE WALL ON STEAM COILS

FILTER AND FILTER RACK:

- SIDE ACCESS FLAT FILTER RACK
- STANDARD SIZE 2" NOMINAL THICKNESS THROWAWAY FILTERS
- HINGED COVER ON EXTERNAL FILTER RACK
- STANDARD FILTER RACK DESIGNED TO ACCEPT 2" THICK FILTERS

MIXING BOX SECTION:

- CASING FEATURES TO MATCH BASIC UNIT
- HEAVY GAUGE GALVANIZED STEEL FORMED BLADE DAMPERS WITH INTERCONNECTING DAMPER LINKAGE
- LOW LEAKAGE TYPE CONSTRUCTION WITH BLADE EDGE AND JAMB SEALS
- PARALLEL BLADE OPERATION
- 1/2" DIAMETER ROUND DRIVE RODS BOTH SIDES
- GASKETED REMOVABLE ACCESS PANELS
- STANDARD REAR & TOP INLET LOCATIONS
- 1" INLET COLLARS

BASE RAIL ASSEMBLY:

- 12 GAUGE GALVANIZED STEEL CONSTRUCTION
- 5/8" RIGGING HOLES
- FACTORY ASSEMBLED TO UNIT
- AVAILABLE FOR CEILING OR FLOOR MOUNTING

ELECTRICAL:

- ALL UNIT ETL LISTED IN COMPLIANCE WITH UL/ANSI STANDARD 1995
- FAN MOTOR WIRED TO STANDARD CONTROL ENCLOSURE

OPTIONAL FEATURES

- SCRIM REINFORCED FOIL FACED INSULATION
- GASKETED, HINGED ACCESS PANELS WITH LIFT & TURN LATCHES
- ALTERNATE FAN DISCHARGE ARRANGEMENTS
- IAQ STAINLESS STEEL SLOPED DRAIN PAN WITH 1" GALVANIZED PIPE OUTLET ON SIDE
- AUXILIARY (SECONDARY) DRAIN CONNECTIONS

- HIGH EFFICIENCY THREE PHASE MOTORS
- SPARE SET OF DRIVE BELTS

- 1, 2, 3, 4, AND 6 ROW WATER COILS
- 3, 4, AND 6 ROW R22 EVAPORATOR COILS
- 1 AND 2 ROW STANDARD STEAM COILS
- HEATING COILS IN PRE-HEAT OR RE-HEAT POSITION
- AUTO AIR VENT ON WATER COILS
- STAINLESS STEEL COIL CASING
- 8, 10, 12, AND 14 FPI FIN SPACING
- HIGH AND LOW GPM WATER COIL CIRCULATION

- 2" PLEATED FILTERS
- HIGH EFFICIENCY FILTER RACK TO ACCEPT 2" AND 4" THICK FILTERS
- SPARE SET OF FILTERS

- OPPOSED BLADE OPERATION ON UNIT SIZES 20 AND ABOVE
- OPTIONAL REAR & BOTTOM OR TOP & BOTTOM INLET LOCATIONS

- FACTORY SELECTED AND FURNISHED CEILING HANGER (KBH ONLY) OR FLOOR MOUNT (KBH AND KBV), RUBBER-IN-SHEAR OR SPRING TYPE VIBRATION ISOLATORS

- MOTOR WIRING IN CONDUIT
- SINGLE OR THREE PHASE FAN CONTROL PACKAGE
- DOOR INTERLOCKING DISCONNECT SWITCH (NON-FUSED OR WITH MAIN FUSING)
- MAIN FUSING
- FREQUENCY INVERTERS

NOTES:

1. SEE INDIVIDUAL UNIT AND SECTION DRAWINGS FOR DIMENSIONAL DETAILS
2. UNLESS OTHERWISE NOTED, ALL SECTIONS ARE SHIPPED FACTORY MOUNTED
3. OPTIONAL MIXING BOX SECTION REQUIRES A BASE RAIL ASSEMBLY
4. SEE SUBMITTAL BCS06-EH01 FOR ELECTRIC HEAT SECTIONS

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