

MODEL

- TBS - Vertical small footprint blower coil, rear return

FEATURES

- Galvanized steel cabinet construction, minimum 18 gauge
- 1" thick foil faced fiberglass insulation
- 1" supply duct collars
- Gasketed, full size removable front access panel
- IAQ galvanized steel drain pan with 1 1/8" ODM copper pipe outlet
- Left and right hand arrangement
- Multiple fan discharge arrangements
- NEMA 1 control enclosure houses electrical options
- External rubber-in-shear or spring type vibration isolators (optional)
- Base rails with rigging slots factory assembled and installed (optional)

COOLING AND REHEAT COIL OPTIONS

- Chilled water - 4 or 6 rows
- Hot water - 1 or 2 rows, draw thru or blow thru
- Steam - 1 or 2 rows, blow thru only
- Electric heat

COILS

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

FILTERS AND FILTER RACK

- Front access filter rack
- Standard 2" nominal throwaway filters
- 2" pleated filter (MERV 8) (optional)
- 2" pleated filter (MERV 13) (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

PIPING PACKAGES

- 1/2", 3/4", 1", 1 1/4", 1 1/2" 2-way and 3-way, normally closed, two position electric motorized valves
- 1/2", 3/4", 1" piping packages factory-assembled and shipped loose with unions for field installation



- 1 1/4" and 1 1/2" piping packages ship as parts kit with instructions for field assembly and installation
- Isolation ball valves with memory stop
- Control Valve offering: 24V floating point modulating and 0-10V proportional control valves
- Fixed (FC) and adjustable (PICV) flow control devices
- Y-strainers
- P/T ports

FAN MOTOR AND DRIVE

- NEMA design ODP motors, TEFC motors (optional)
- 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

ELECTRICAL FEATURES

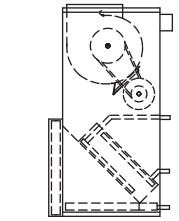
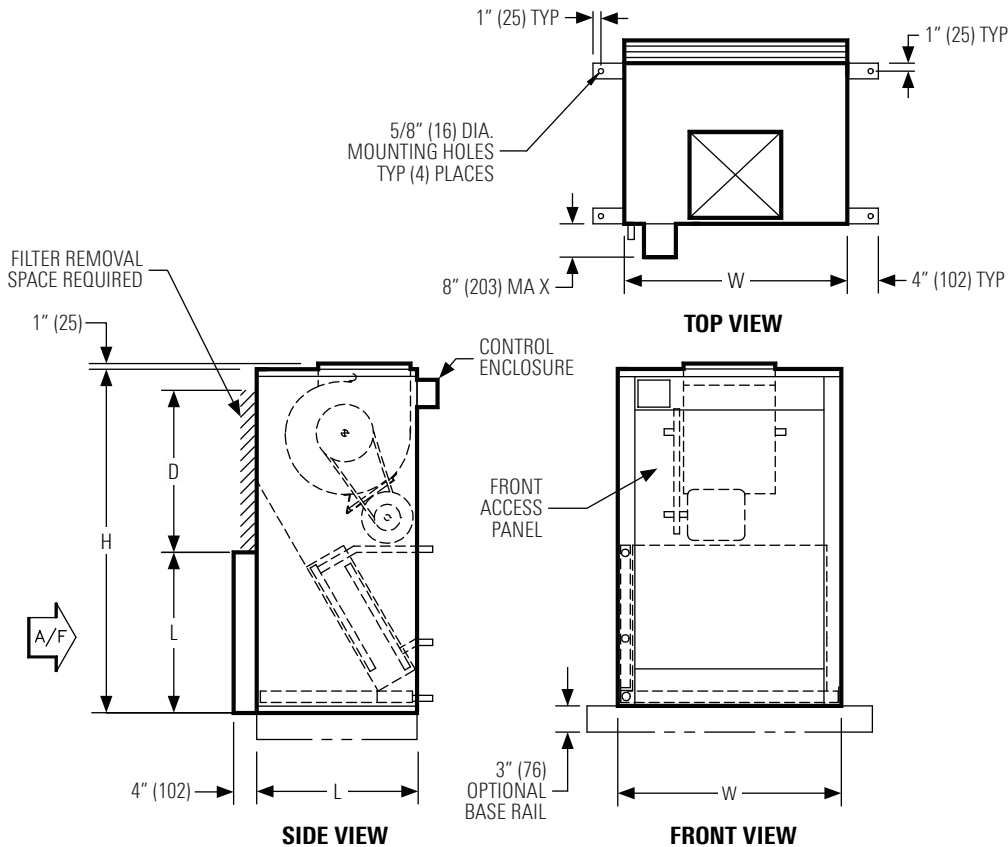
- Fan motor wired and terminated to J-box motor wiring in conduit conduit (optional)
- Motor starter (contactor with an overload for 3-phase; contactor for 1-phase), factory installed
- Door interlocking disconnect switch
- Hand off auto switch (HOA)
- Main fusing
- Automatic primary and manual secondary thermal limit switches

CERTIFICATIONS

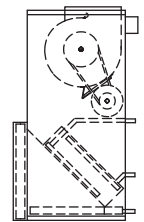
- All units ETL listed in compliance with UL/ANSI Standard 60335
- AHRI 410 Certified Coil Performance Data

WEB SEARCH: **TBS**

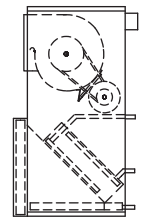
DIMENSIONAL DATA



**ARRANGEMENT 1
REVERSE ROTATION**



**ARRANGEMENT 2
STANDARD ROTATION**



**ARRANGEMENT 7
HORIZONTAL REAR
DISCHARGE**

NOTES: Dimensions in parentheses are in millimeters (mm). See table below for dimensional references.

PERFORMANCE AND DIMENSIONAL DATA

Size	Performance	Dimensions			
Unit	Nominal CFM	H	W	L	D
8	800	46" (1168)	26" (660)	19" (483)	16" (406)
12	1200	46" (1168)	26" (660)	21" (533)	20" (508)
16	1600	54" (1372)	29" (737)	25" (635)	24" (610)
20	2000	54" (1372)	29" (737)	28" (711)	24" (610)
25	2500	60" (1524)	39" (991)	28" (711)	24" (610)
30	3000	60" (1524)	39" (991)	28" (711)	24" (610)

NOTES: All dimensions are $\pm 1/4"$ (6mm). Metric values are soft conversions. Motor/drive location may be specified Left or Right Hand. Standard control enclosure location matches motor/drive position. Provide sufficient clearance to access electrical controls and comply with all applicable codes and ordinances. Maximum total internal coil rows: 6. Left hand unit shown; right hand unit has CW and HW piping connections mirrored. Filter assembly runs the full length of the unit size.

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