

# RAHC - SERIES A

## Horizontal High Performance Fan Coil Unit, Exposed Cabinet

### Quick Reference Product Catalog

#### MODEL

- RAHC - SERIES A- Horizontal high performance fan coil unit, exposed cabinet

#### FEATURES

- Galvanized steel construction
- 1/2" thick fiberglass, foil faced, cellular insulation
- 1 1/2" duct discharge collar
- Four point hanger mounting brackets
- 1" throwaway and pleated filters, MERV8 or MERV13 (optional)
- Bottom or rear return (optional)
- Removable bottom hinged access panels

#### COILS

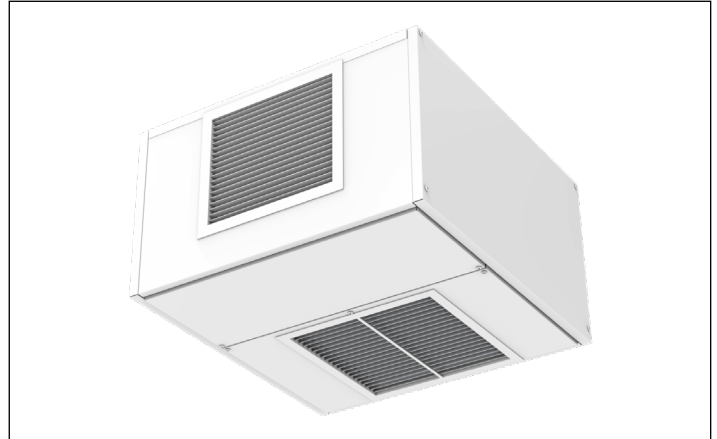
- Cooling - chilled water (3, 4 or 6-row)
- Heating - hot water (1, 2, 3 or 4-row) or steam (1 or 2-row), reheat or preheat position
- 8 total rows of cooling and heating coils maximum
- 3/8" O.D. seamless copper tubes (0.012" tube wall thickness)
- 1/2" O.D. seamless copper tubes (0.016" or 0.025" tube wall thickness)
- Stainless steel coil casing (optional)
- High efficiency aluminum fin surface available in 10 and 12 fpi
- Left or right hand coil connections
- Manual air vents and Automatic air vents (optional)

#### DRAIN PANS

- Single wall, galvanized steel, externally insulated – fire retardant and antimicrobial closed cell foam, also Stainless steel (optional)
- Positively sloped to drain connection
- Condensate overflow switch (optional)
- Auxiliary drain pan galvanized or stainless steel (optional)
- 7/8" ODM copper outlet primary drain pan; stainless steel drain pan has 3/4" MPT galvanized steel outlet
- 5/8" ODM copper auxiliary drain outlet; stainless steel pan is 3/8" MPT galvanized steel

#### FAN/MOTOR ASSEMBLIES

- Forwardly curved, DWDI centrifugal type
- 115, 208-230, 220 & 277V, 1-phase, 3-speed PSC motors
- 115, 208-230, 220 & 277V, 1-phase EC motors in one of three options (3-speed fixed, adjustable, and 2-10V control)
- Quick disconnect motor connections
- Removable fan/motor deck for service



#### ELECTRICAL

- Electrical junction box for field wiring terminations
- Terminal block for field connections
- Unit and remote mounted three speed fan switches (optional)
- Electrical enclosure with hinged bottom access door and removable side access panel
- SCR fan speed controller, only for high speed (optional)
- Main fusing (optional)
- Disconnect switch, toggle, or door interlocking (optional)
- Silent electric heat relays and fan relay (optional)

#### PIPING PACKAGES

- Factory assembled, shipped loose or pre-installed
- 1/2", 3/4", and 1" piping size
- 2-way and 3-way 2 position close off, modulating floating point and proportional valves
- Isolation ball valves with memory stop
- Fixed and adjustable flow control devices (optional)
- Unions and P/T ports (optional)
- Remote mounted digital display and programmable thermostats

#### CERTIFICATIONS

- cETL Listed Electric Heat Units - Adherence to UL 60335
- AHRI 440 certified performance data

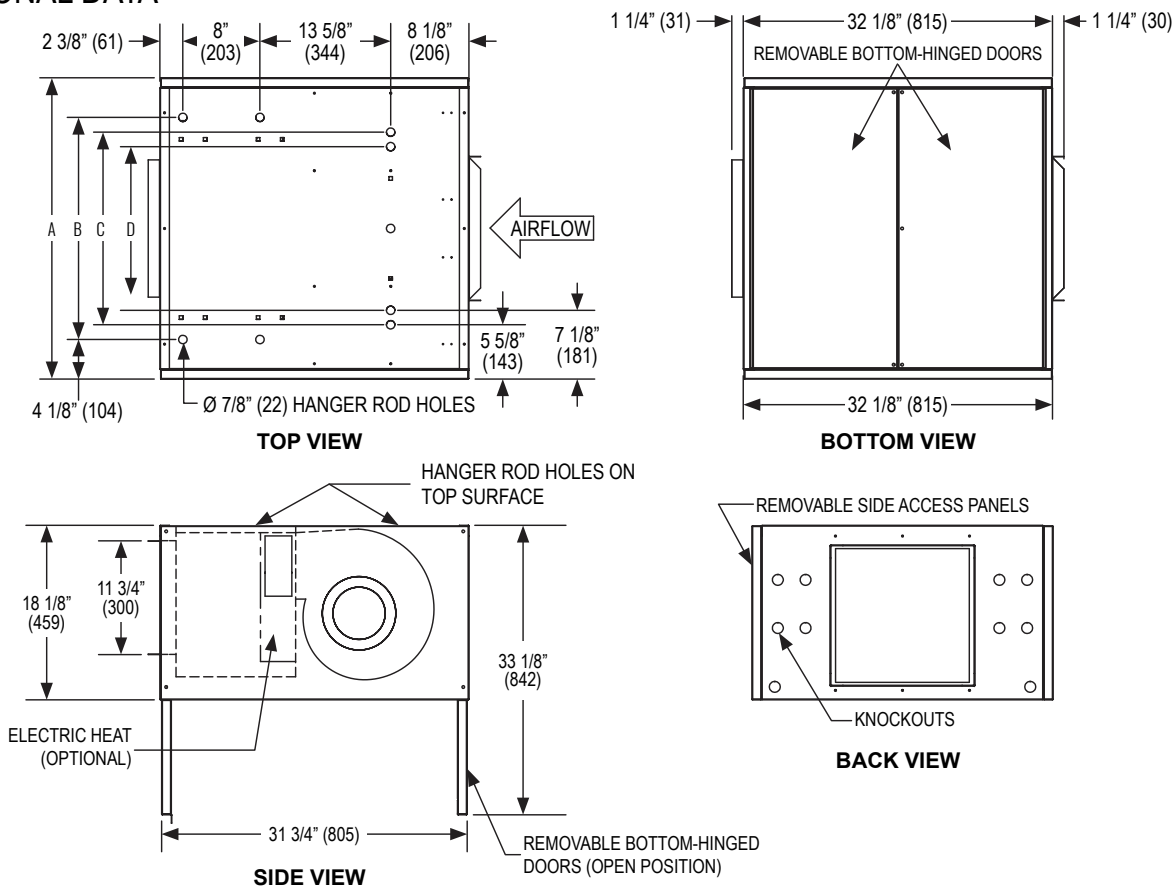
WEB SEARCH: **RAHC**

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### DIMENSIONAL DATA



NOTES: Provide access clearance for electrical enclosure per local and national electrical code requirements. Dimensions in parentheses are in millimeters (mm). See table below for dimensional references.

### PERFORMANCE AND DIMENSIONAL DATA

Size	Performance			Dimensions				
Unit Size	CFM Range	Total Cooling Capacity Range (MBH)	Heating Capacity Range (MBH)	A	B	C	D	A + 6.0" EXTENDED PANEL
06	643 - 690	5.1 - 20.8	22 - 46.5	31 1/4" (886)	23" (584)	20" (508)	17" (432)	37 1/4" (946)
08	872 - 957	7.0 - 27.9	30.5 - 64.5	36 1/4" (921)	28" (711)	25" (635)	22" (559)	42 1/4" (1073)
10	903 - 994	17.2 - 31.6	35.0 - 71.6	40 1/4" (1022)	32" (813)	29" (737)	26" (660)	46 1/4" (1174)
12	1357 - 1488	22.9 - 44.5	48.5 - 97.5	45 1/4" (1149)	37" (940)	34" (864)	31" (787)	51 1/4" (1302)
14	1684 - 1800	12.1 - 49.9	57.6 - 116.9	50 1/4" (1276)	42" (1067)	39" (991)	36" (914)	56 1/4" (1428)
16	1842 - 2056	13.9 - 60.8	65.5 - 134.3	55 1/4" (1403)	47" (1194)	44" (1118)	41" (1041)	61 1/4" (1556)
18	1849 - 2085	32.4 - 61.5	70.0 - 141.8	60 1/4" (1530)	52" (1321)	49" (1245)	46" (1168)	66 1/4" (1683)
20	1957 - 2086	36.2 - 32.9	83.9 - 148.6	64 1/4" (1632)	56" (1422)	53" (1346)	50" (1270)	70 1/4" (1784)

NOTES: Information shown is abbreviated. See website for complete information. Data is based on 115/1/60 adjustable speed EC motor on high fan speed with 0.05" ESP. Cooling coil: 75°F DB and 63°F WB EAT, 45°F EWT, 55°F LWT. Heating coil: 70°F DB EAT, 180°F EWT, 160°F LWT. CFM and coil performance ranges will vary depending on coil combination selected.