

Job Name/Location:

Tag #:

Date: \_\_\_\_\_

For:  File Appro  Resubmit

PO No.: \_\_\_\_\_

val  Other \_\_\_\_\_

Architect: \_\_\_\_\_

GC: \_\_\_\_\_

Engr: \_\_\_\_\_

Mech: \_\_\_\_\_

Rep: \_\_\_\_\_

(Company)

(Project Manager)

**ACHH040VBAB**  
**Inverter Scroll Chiller 208-230V**  
**40.0 Ton**



**Performance :**

**Cooling Mode :**

Cooling Capacity (MBH)	443.5
Power input (kW)	43.0

**Heating Mode :**

Heating Capacity (MBH)	477.6
Power input (kW)	45.2

Cooling Capacity Conditions : 95°F Ambient Air, 55°F EWT and 45°F LWT  
 Heating Capacity Conditions : 47°F EWT and 120°F LWT

**Electrical :**

Power Supply (V / Hz / Ø)	208-230 / 60 / 3
MOP (A)	150
MCA (A)	147.9

**Evaporator :**

Quantity	2
Pressure Drop (ftAq)	3.1
Operating Maximum Pressure (Refrigerant / Water) (psi)	597 / 142
Cooling Water Flow (10F Delta) (GPM)	88.7
Inlet / Outlet Water Connection (Inches / Flange)	2-1/2" / 150lb

**Standard Features**

- Condenser Coil Coating Rated at 10,000 Hrs (Tested per ASTM B-117)
- Variable Speed Condenser Fan Motors
- Variable Speed Compressors
- SCCR Standard on 208 – 230V – 3PH (Approved per CSA (C-US/162279))
- Rated Sound Pressure at 30' is 51-60dB(A)
- 100% Heating Capacity down to 32°F
- 120F LWT at 17°F = 80% of Full Capacity

**Operating Range :**

Cooling (°F DB)	5 – 125
Supply Water Temperature	14 – 68
Heating (°F WB)	-22 – 95
Supply Water Temperature	86 - 131

**Unit Data :**

Refrigerant Type	R410a
Cooling Sound Power dB(A)	87
Heating Sound Power dB(A)	87
Net Unit Weight (lbs)	2,218
Unit Dimension (W x H x D) (ins)	60-5/32" x 86-5/8" x 86-9/16"
Heat Exchanger Coating	Black Coated Fin

Sound Data tested per ANSI/AHRI Standard 370-2015 (Based on individual systems)

**Compressor :**

Compressor Type	Inverter Scroll
No. of Compressors	4
Oil Type	PVE
Oil Charge of Each Compressor (oz/ea)	33.8

**Fan :**

Type	Propeller
Quantity	4
Motor / Drive	Brushless Digitally Controlled / Direct
Air Flow Rate (CFM)	8,684

**Notes :**

1. For AHRI Ratings, refer to AHRI website <http://www.ahridirectory.org>
2. Power wiring able size must comply with the applicable local and national code
3. The voltage tolerance is +/- 10%



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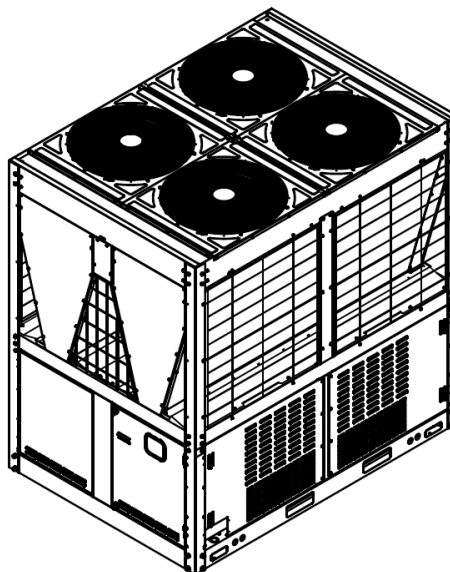
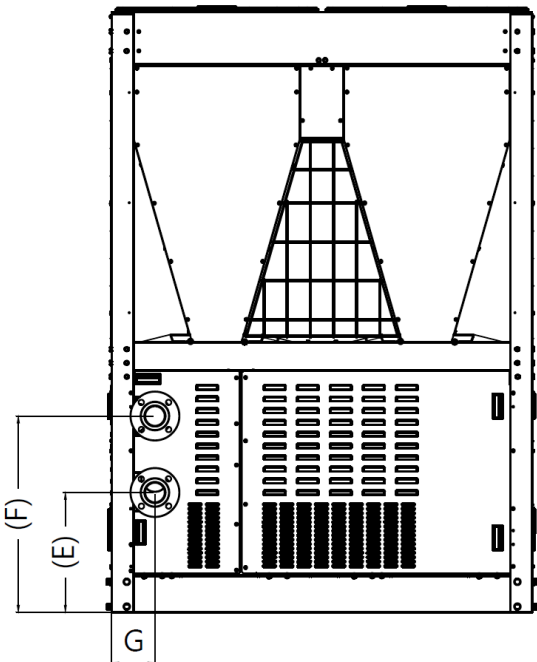
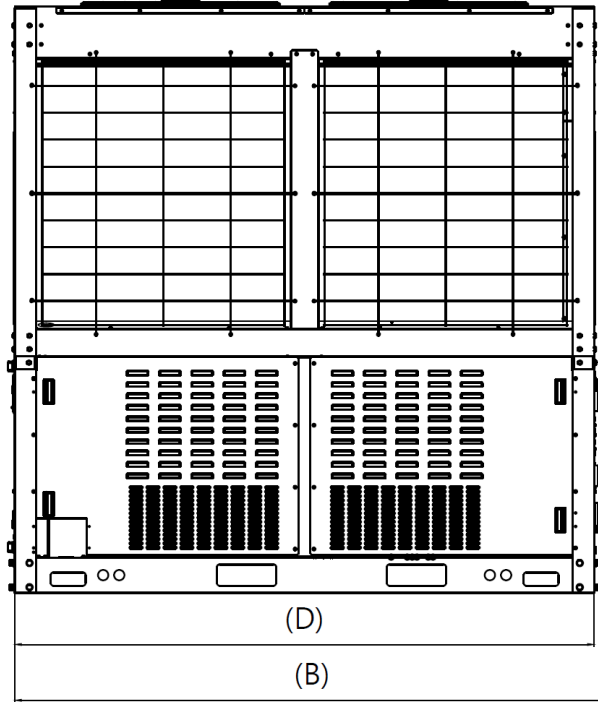
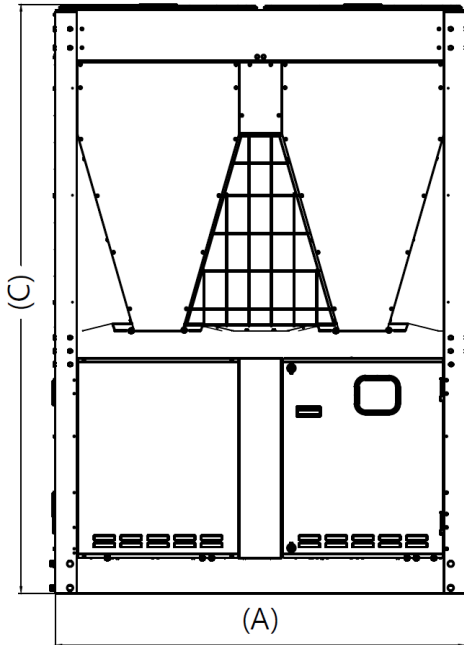
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Inverter Scroll Chiller 208-230V

40.0 Ton



Classification	Dimension(in)
A	60-5/32
B	86-9/16
C	86-5/8
D	84-13/16
E	17-3/32
F	27-9/16
G	6-3/16