

For: ☐ File ☐ Resubmit ☐ Approval ☐ Other _____

V2430B-*EC***1

2.5-ton Vertical AHU

Job Name:	Location:
Date:	Tag #:
Architect:	Engineer:
Mechanical:	Distributor:
Rep:	

(Company)

(Project Manager)



Features

- Easy service EC Motor (Variable Speed)
- Removable access panels for ease of service
- ASHRAE 62.2-2010 ventilation mode
- Use as cooling only or heat pump
- Optional hot water coil for heating
- Heavy-duty closed cell insulation (no exposed fiberglass insulation)
- Includes (shipped loose):
 - R454B/R32 sensor and mitigation control
 - Condensate trap
 - S.M.A.R.T. control board

Indoor Unit Size

2430

General Data:

Compatible Outdoor unit nominal capacity	1.5 to 2.5-ton (5 to 9 kW)
Fan Speeds	Variable
Maximum Motor Speed	1800 RPM
Nominal Airflow	600 CFM (283 L/s)
Static Pressure at Nominal Airflow	1.5 in. w.g. (0.373 kPa)
Sound Pressure (high)	56 dB(A)
Rated performance	see AHRI directory*
Net coil face area	2.72 ft ² (0.25 m ²)
Tube diameter	3/8 in. (9.52 mm)
Number of rows	3 (B) 4 (E)
Number of Circuits	4 (B) 6 (E)
Fin density	15/in. (590/m) (B) 14/in. (551/m) (E)
Design pressure	500 psig (3.45 MPa)
Refrigerant type	R454B / R32
Suction line size	5/8 in. (15.88 mm) OD
Liquid line size	3/8 in. (9.52 mm) OD
Drain size	3/4" FNPT
Net unit weight	117 lbs. (53 kg)
Shipping Weight	177 lbs. (80 kg)

* www.ahridirectory.org

Operating Range:

Nominal Capacity	2.5-ton (9 kW)
Airflow Range	200 to 740 CFM (350 to-1257 m ³ /h)

Electrical:

Control Box Style	EC2	EC3
Voltage	120V/208V/230V	
Power Supply (Hz, Ph)	50/60, 1	
Full Load Current	5.6 A/3.2 A	
Min. Circuit Ampacity	7.0 A/4.0 A	
Max. Overcurrent Protection	15 A	
Allowable Breaker Sizes	15 A	

Optional Accessories:

- ☐ Hot water coil (HW-2430)
- ☐ Control box extension cable, 98" (2.5 m) (A01525-G02)

Notes:

1. All wiring and piping must comply with applicable local and national code
2. Absolute operating voltage range: 198 – 253V.
3. Refer to installation manual for more information.

Model Number Key:

V	2430	B	-	1	EC*	B	X	0	1
Model Series V = Vertical	Matching ODU Nominal Capacity 2430 = 24000 to 30000 Btu/hr	Configuration B = Both		Revision 1 = USB	Motor Style EC2 = 120V – 208/230V EC3 = 120V – 208/230V, CE/UKCA marked	Cooling Coil B = 3 rows E = 4 rows	Heating Coil X = None H = Hot Water Coil	Coil Coating 0 = No coating C = E-Coated	Refrigerant Type 1 = A2L

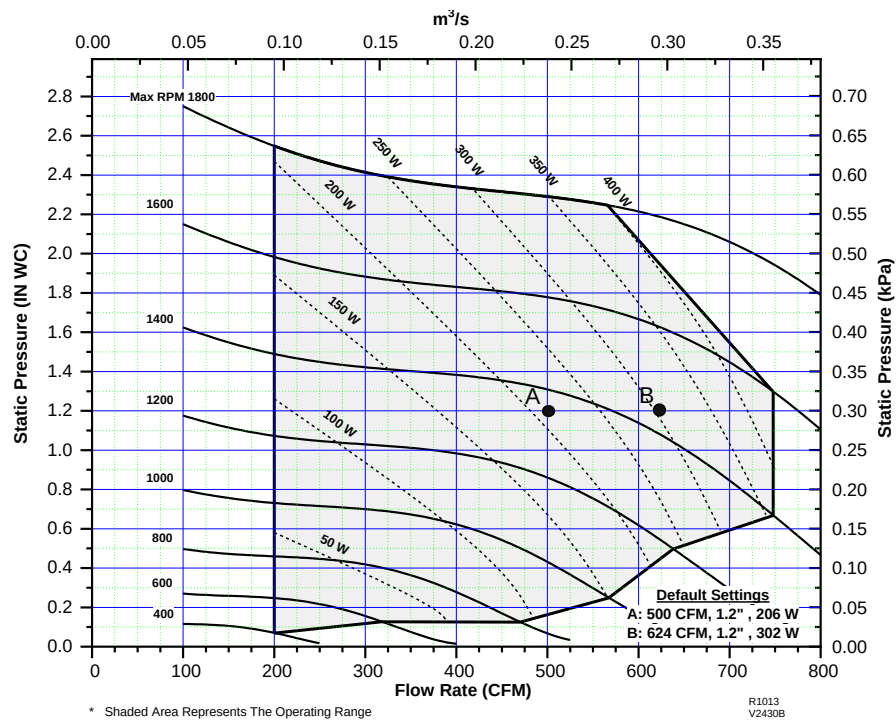
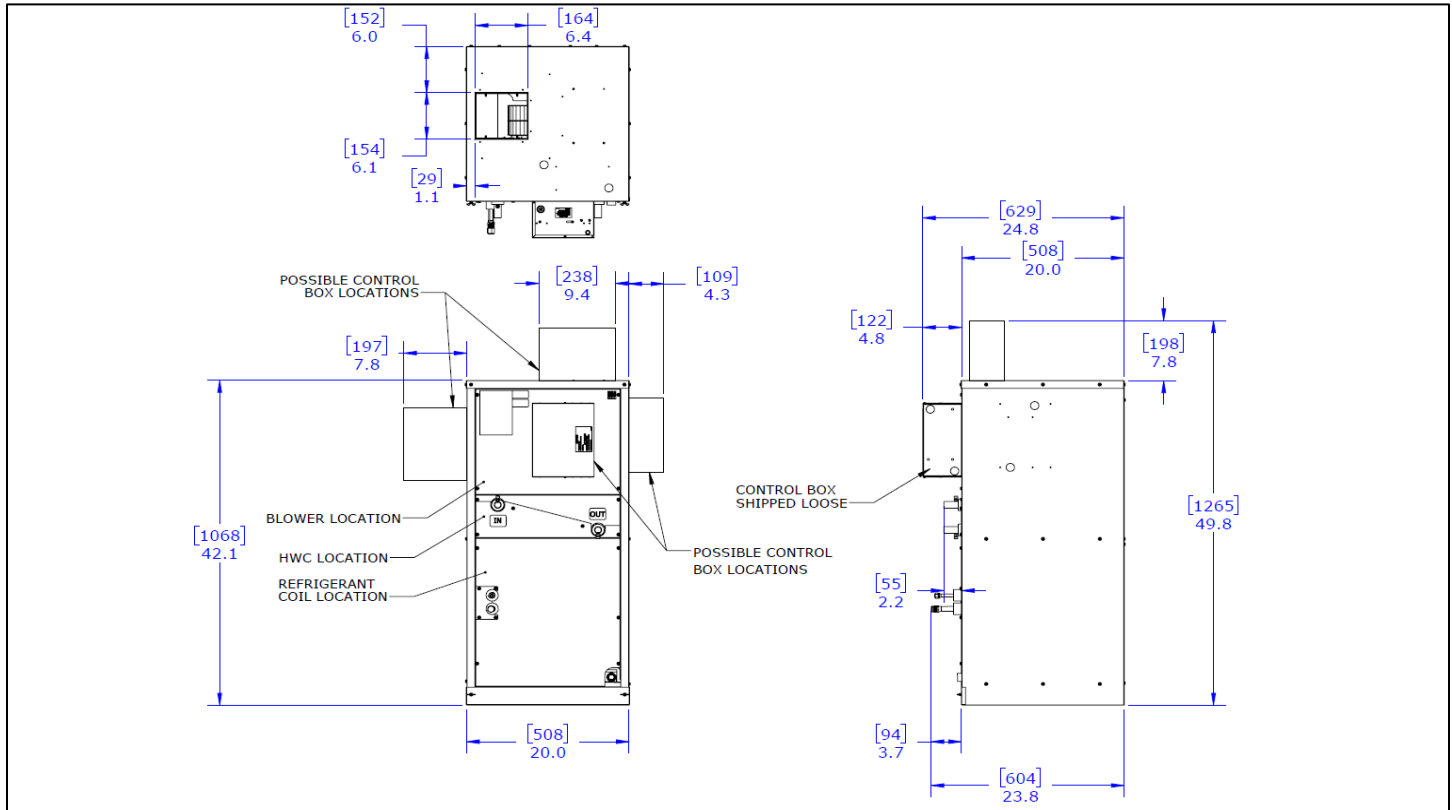
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RETURN AIR PLENUM MODULE DIMENSIONS



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