

For: ☐ File ☐ Resubmit ☐ Approval ☐ Other _____

M3642B**-EC*

3.5-ton SDHV Modular Variable Speed Air Handler (Blower)

Green Series

Job Name:

Location:

Date:

Tag #:

Architect:

Engineer:

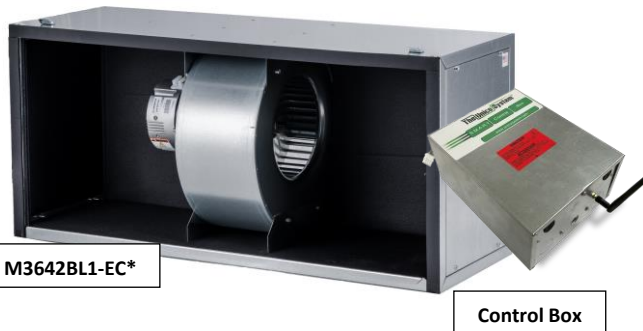
Mechanical:

Distributor:

Rep:

(Company)

(Project Manager)



Features

- Modular construction
- Multiple configurations
- Right-Handed and Painted options available
- EC Motor (variable speed)
- High system efficiency
- Easy service motor/blower
- Constant airflow
- Smart device connectivity (WiFi)
- Includes S.M.A.R.T. control board

Matching Modules

M3642C**-B
M3642C**-E
M3642C**-C
M3642C**-H
M3642V*
M3642R1

Indoor Unit Size

3642

Operating Range:

Nominal Airflow	900 CFM (1530 m³/h)
Static pressure at nominal airflow	1.5 in. w.c. (373 Pa)
Airflow Range	300 to 1200 CFM (510 to 2039 m³/h)

* Measured 3 ft (1 m) from unit

General Data:

Blower wheel diameter	9.5 in. (241 mm)
Blower wheel width	5.0 in. (127 mm)
Fan motor type	ECM
Fan motor size	1hp (750 W)
Fan Speeds	Variable
Maximum motor speed	1800 RPM
Maximum air temperature over motor	150 °F (65 °C)
Supply duct size, minimum	9 in. (229 mm)
Sound Pressure Level*	56 dB(A) NC-47
Net unit weight	60 lbs. (27 kg)
Shipping Weight	72 lbs. (33 kg)
Dimensions (H x W x D)	17.5 x 38 x 14 in. (445 x 965 x 349 mm)

* Measured 3 ft (1 m) from unit

Electrical:

Control Box Style	EC2	EC3
Power Supply (Hz, Ph)	50/60, 1	
Voltage	120V/208V/230V	
Full Load Current	10.2 A/6.1 A	
Min. Circuit Ampacity	12.8 A/7.7 A	
Max. Overcurrent Protection	15 A	
Allowable Breaker Sizes	15 A	

Optional Accessories:

- ☐ Control box extension cable, 98" (2.5 m) (A01525-G02)
- ☐ Hot water coil heating module (M3642CL1-H)
- ☐ Return air module with filter (M3642R1)
- ☐ Vertical base module with filter (M3642V*)
- ☐ Secondary drain pan, 2 module (UPC-24B)
- ☐ Secondary drain pan, 3 module (UPC-24C)
- ☐ Supply duct adapter, round (UPC-61-3642)
- ☐ Supply duct adapter, square (UPC-62-3642)
- ☐ Return adapter (UPC-104-3642)

Notes:

1. Absolute operating voltage range: 104V – 127V, 188V – 254V
2. All wiring and piping must comply with applicable local and national code.
3. Refer to installation manual for more information.
4. Revision 1 connects to PC-only via USB.

Model Number Key:

M	3642	B	L	1	-	EC*	1
Model Series M = Modular	Matching ODU Nominal Capacity 3642 = 36000 to 42000 Btu/hr	Module Type B = Blower	Configuration L = Left R = Right	Revision 1 = USB 2 = WiFi		Motor Style EC2 = 120V – 208/230V EC3 = 120V – 208/230V, CE/UKCA marked	Options 1 = Paint White

ODU = Outdoor Unit

Note – for continuous product improvement, Unico reserves the right to change specifications without notice.

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SB-M3642B**-EC.003 (20250423)

Page 1 of 2

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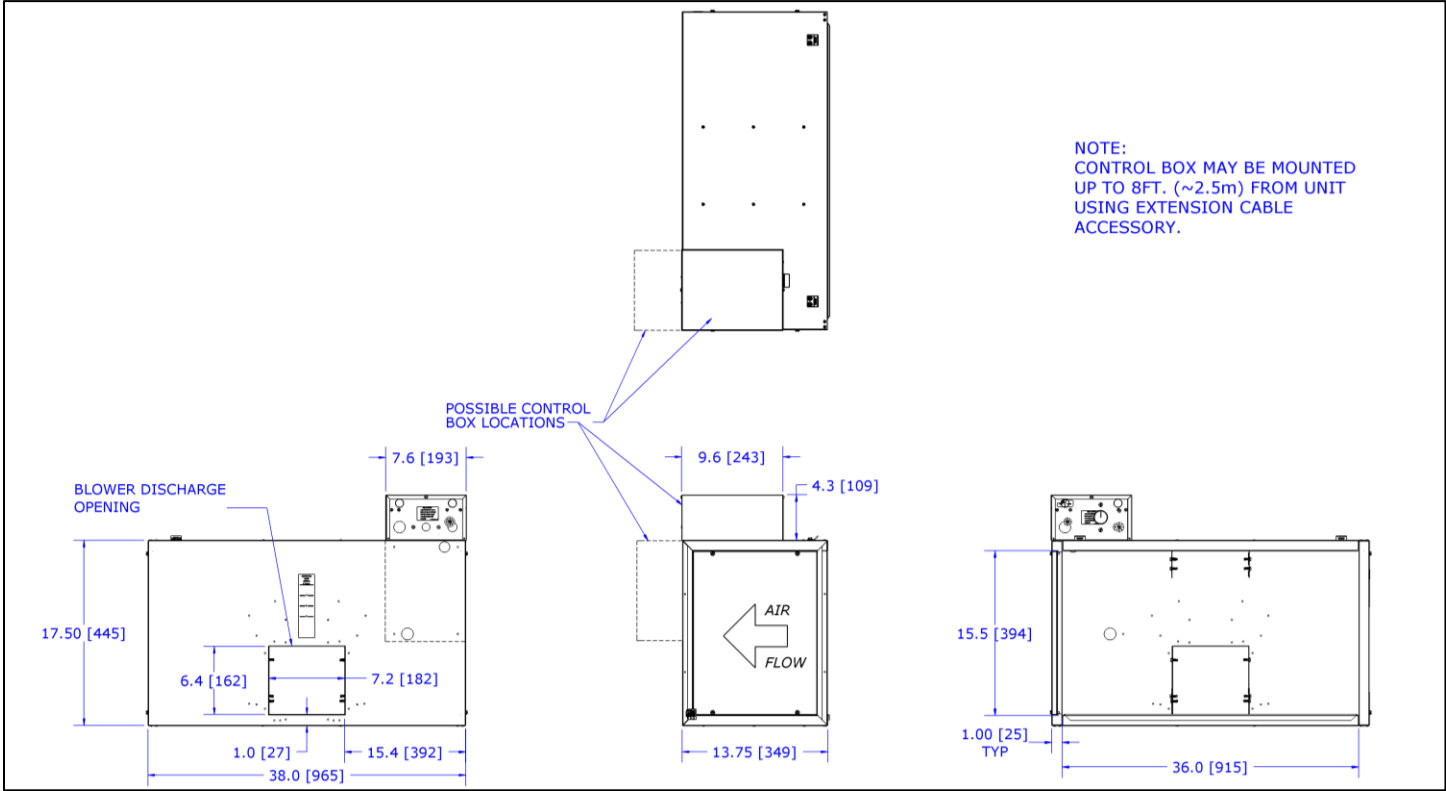
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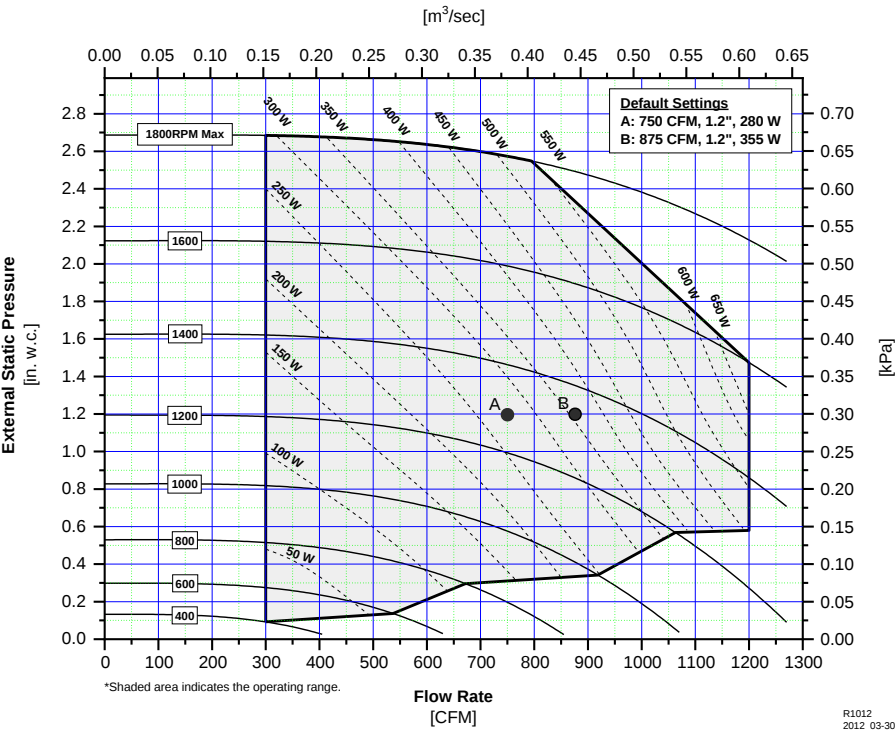
Date:

Tag #:

BLOWER MODULE DIMENSIONS



* Contact Unico for dimensions of assembled modules.



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