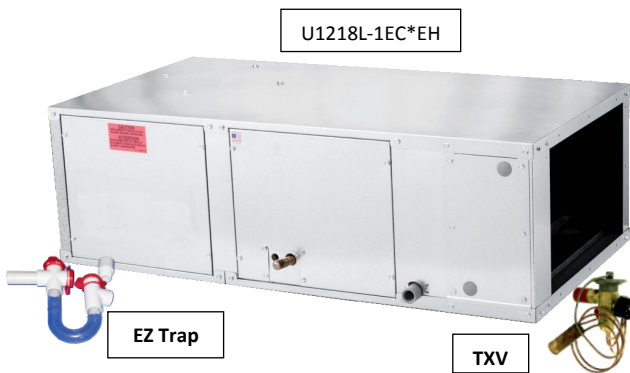


For: File Resubmit Approval Other _____

U1218L-1EC1/EC2E(H) 1.5-ton (16,000 Btu/hr) SDHV Air Handler (Blower-Coil)

Green Series

Job Name:	Location:
Date:	Tag #:
Architect:	Engineer:
Mechanical:	Distributor:
Rep:	
(Company)	(Project Manager)



Features

- Multi-configurations
- EC Motor (variable speed)
- High system efficiency
- Programmable using Windows PC
- Matches single and dual-stage outdoor unit
- Compatible with Third-party Thermostats
- Compatible with 2-zone damper systems
- ASHRAE 62.2-2010 ventilation mode
- Boiler and chiller relay outputs
- Staged electric furnace relay outputs
- Condensate trap and TXV included

Compatible Outdoor Unit

Nominal 1.5 ton (refer to AHRI Directory for specific make and model)

Performance:

Nominal Cooling Capacity	14,000 Btu/hr (5.9 kW)
Nominal Heating Capacity	16,000 Btu/hr (6.4 kW)

Cooling Nominal Test Conditions: 80°F DB/67°F WB Indoor, 95°F DB Outdoor
 Heating Nominal Test Conditions: 70°F DB Indoor, 47°F DB/43°F WB Outdoor
 Refer to AHRI Directory for certified ratings

Operating Range, Indoor Temperature:

Cooling: DB	50 to 90° F	(10 to 32°C)
WB	17 to 73°F	(6 to 23°C)
Heating: DB	41 to 91°F	(5 to 27°C)

DB=Dry Bulb Temperature, WB=Wet Bulb Temperature

Piping:

Liquid line O.D.	3/8 in. (9.52 mm)
Vapor line O.D.	5/8 in. (15.88 mm)
Connection method	Sweat
Drain (trap outlet)	3/4 in. FNPT

O.D.=Outside diameter

Electrical:

Power Supply (V, Hz, Ph)	208-230, 50/60, 1
Full Load Current	3.2 A
Starting current	n/a
Min. Circuit Ampacity	4.0 A
Max. Overcurrent Protection	15 A
Allowable Breaker Sizes	15 A

Notes:

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

General Data:

Compatible Outdoor Unit Nominal Capacity	1.0 to 1.5-ton (3.5 to 5.0 kW)
Refrigerant type	R407C, R-410A
Factory charge	None
Fan motor type	1/2 hp (0.378 kW) ECM
Fan Speeds	Variable
Maximum Motor Speed	1800 RPM
Nominal Airflow	400 CFM (679 m³/h)
Static Pressure at Nominal Airflow	1.5 in. wc. (373 Pa)
Airflow Range	100 – 500 CFM (170 – 850 m³/h)
Sound Pressure (high)	56 dB(A)
Net unit weight	84 lbs / 38 kg
Shipping Weight	92 lbs / 42 kg

Optional Accessories

- Mounting rails (UPC-95)
- Control box extension cable, 98" (A01525-G02)
- Hot water heating coil (HW-1218)
- Secondary drain pan (UPC-94)
- Supply adapter, round (UPC-61-1218)
- Supply adapter, square (UPC-62-1218)
- Return adapter (UPC-104-1218)
- Return adapter with filter (UPC-105-1218)

Model Number Key:

U	1218	L	1	-	EC*	-	E	H
Model Series	Nominal Capacity	Configuration	Revision		Motor Style		Cooling Coil	Heating Coil
U = Unitary	1218 = 12000 to 18000 Btu/hr	L = Left R = Right B = Both			EC1 = 120 V EC2 = 208 – 230 V		X = None B = 4 rows E = 6 rows	X = None H = Hot Water Coil

U1218L-1EC1/EC2E(H)

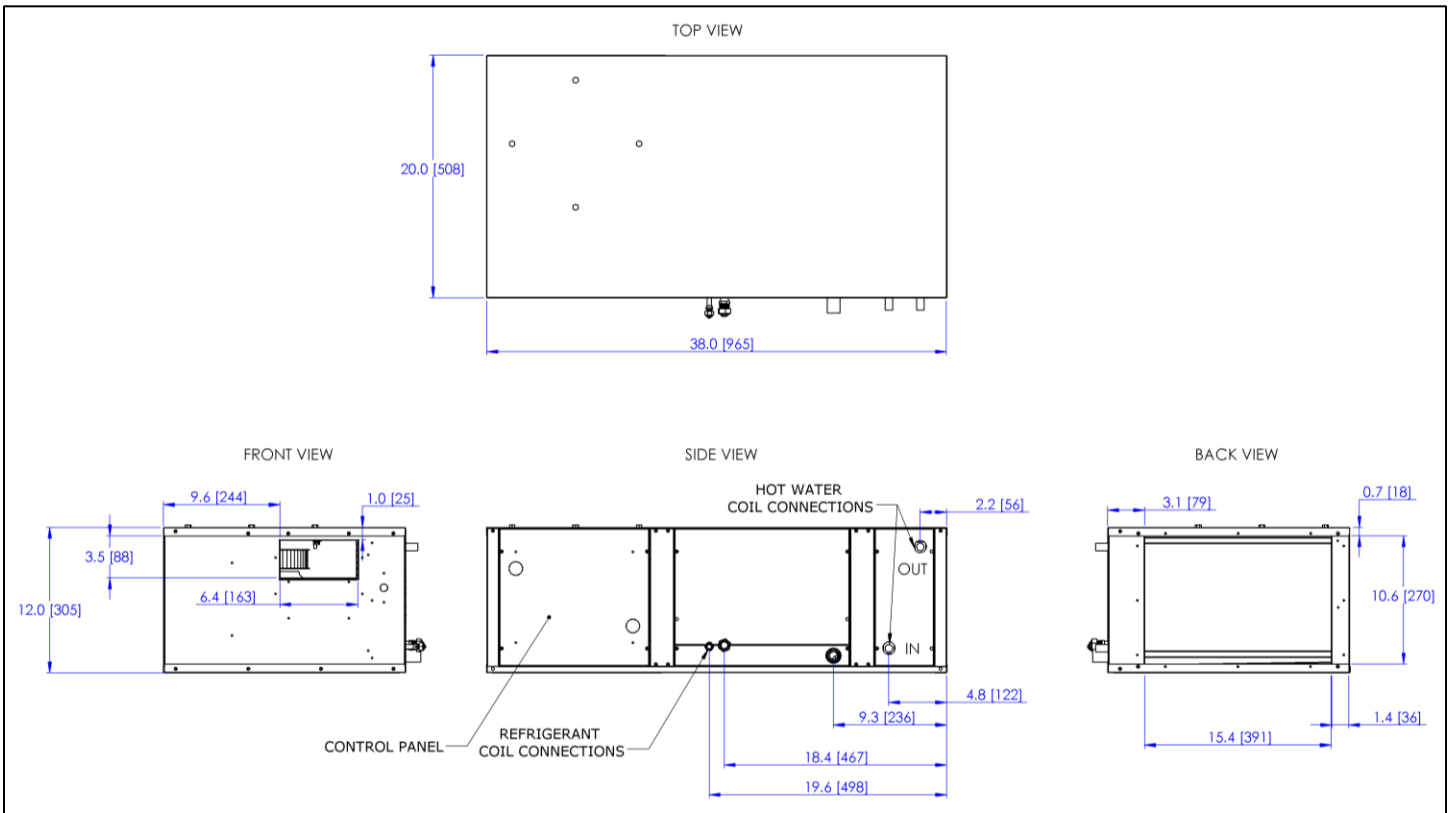
Job Name:

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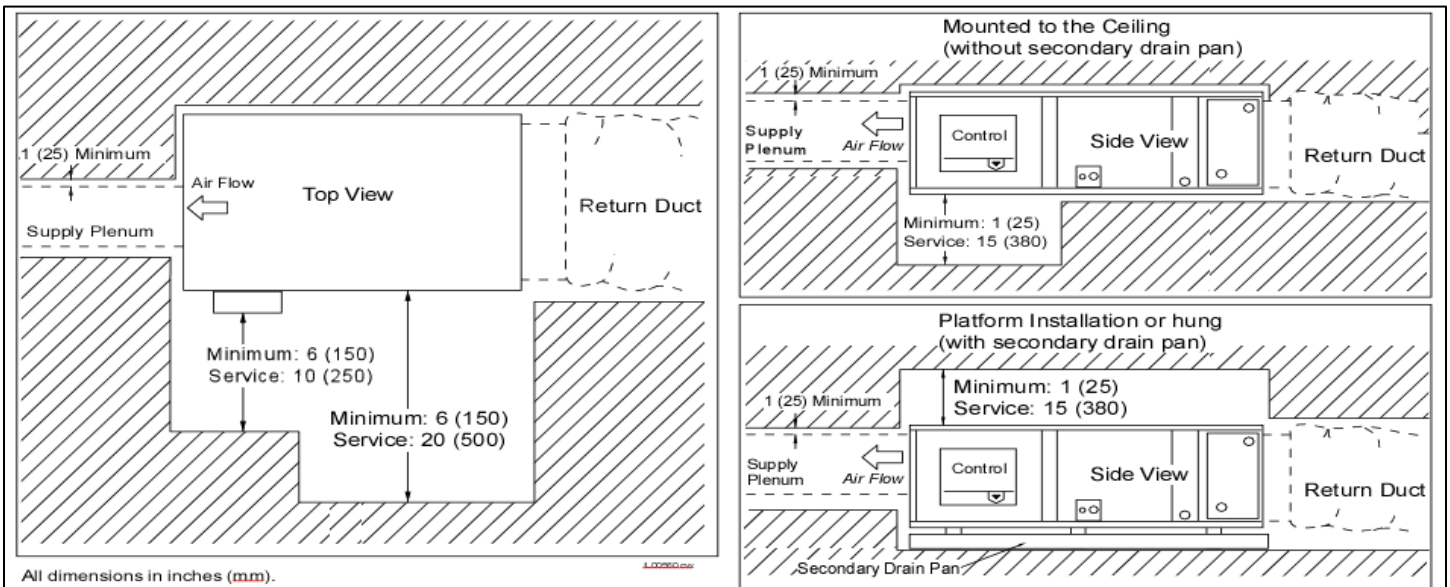
Tag #:

DIMENSIONS (Horizontal configuration)



* Contact Unico for dimensions for other configurations, such as vertical.

Installation Clearances



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

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