Specifications & Submittal Data

Comfort Where It Counts.

Single-Zone 12,000 Btuh Universal Variable-Speed Straight Cool Split System

Indoor Air Handler Model:

U	N	H	V	1	2	D	*

- Type: [UNH=Universal Air Handler]
- Revison: [V=Variable Speed (Inverter) R-410A]
- Capacity: [12=12,000 Btuh]
- Voltage: [D=208-230v/60Hz/1ph]
- E-Boost Heater: [0=no electric heat] [3=3 kW heat]

Note: A Handheld Infrared Remote Control comes with each, standard

Outdoor Condenser Model:

S	1	C	V	2	0	0	0	D	0	0

- Type: [S=Side Discharge]
- Zones: [1=Single zone]
- Operation: [C=Cooling Only]
- Revison: [V=Variable Speed (Inverter) R-410A]
- Zone Capacity: [2= Zone 1 is 12,000 Btuh]
- Voltage: [D=208-230v/60Hz/1ph]
- Control: [0=Standard]
- Coil Option: [0=Aluminum/Copper, Std]

AHRI CERTIFIED™ www.ahridirectory.org
Unitary Small AC
AHRI Standard 210/240
Certification applies only when the complete system is listed with AHRI.

Order Quantity of System	
	Single-Zone 12,000Btuh Universal Variable-Speed Straight Cool Split System

* Select Electric Heat option, exclusively available through dual point power.

ETL LISTED c US Intertek

Please indicate quantity of optional accessories for each system (max allowed)

	Wired OEM Wall Control for indoor air handler **(1)** *Comes with a single 15' Interconnecting Cord Extension		Wind baffles / hail guard, architectural louver kit (required for cooling operation to 0°F (-18°C) **(1)**
	15' Interconnecting Cord Extension for Wired OEM Wall Control **(10)**		Bi-flow Filter Drier **(1)**
	208/230V Condensate Pump Kit, 48" lift **(1)**		Refrigerant line set, 25-feet (Both Tubes Insulated) **(Max of 100 EQUIVALENT feet)**
	208/230V Condensate Pump Kit, 144" lift (External Mount Only) **(1)**		Refrigerant line set, 50-feet (Both Tubes Insulated) **(Max of 100 EQUIVALENT feet)**
	Floor Mount Toe-kick/Trim Kit (Required to Internally Mount Condensate Pump in Floor Mounted Applications) **(1)**		Painted Metal Return Air Grille & Filter Kit **(1)**
	Drain Pan Extension Kit (Req'd for Ceiling Mount Applications) **(1)**		MERV 11 High Efficiency Filter Kit (Comes with Painted Metal Return Air Grille) **(1)**
	Boost Transformer for 115V Installation. (Not compaitble with electric heat) **(2-Dual Point Power, 1-Single Point Power)**		Condenser Crankcase Heater Kit, 208/230V (required for low ambient operation) **(1)**

Electrical Specifications

Model #	Volts/Hz/Ph	Fan Motor		Elec Heat		Compressor		Total Amps	Min Volt.	MCA	HACR BRKR
		Amps	HP	Amps	kW	RLA	LRA				
S1CV2000D00	208/230/60/1	0.65	0.11	-	-	7.9	12	8.95	197	10.9	15
UNHV12D0	208/230/60/1	0.4	0.02	-	-	-	-	0.34	197	0.4	15
UNHV12D3	208/230/60/1	0.4	0.02	13.04	3	-	-	13.38	197	16.7	20

To: _____ Project: _____

Date: _____ Customer: _____

From: _____ Location: _____

Contact: _____ Engineer: _____

_____ Unit Tag# _____

For Your: ☐ Reference ☐ Approval ☐ Construction

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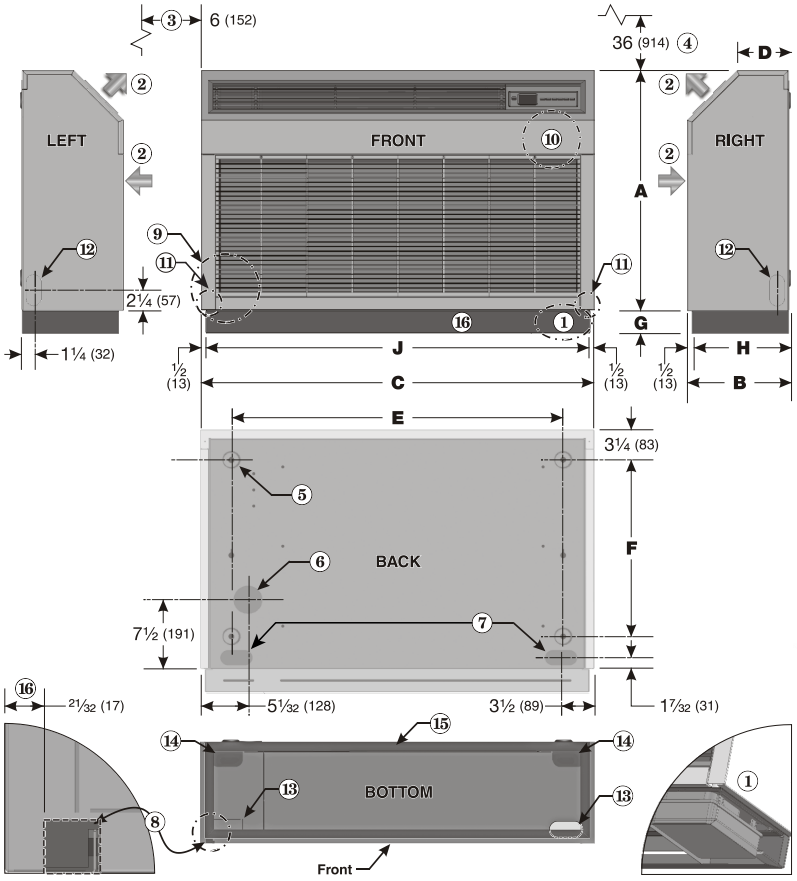
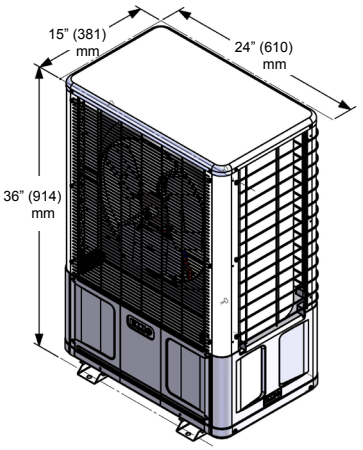
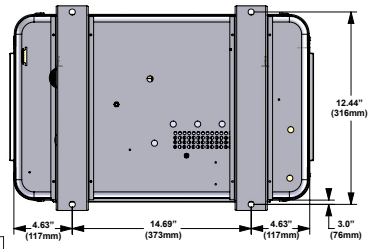
Indoor Air Handler & Outdoor Condenser Dimensions

#	Description
1	Optional condensate pump floor-mount location (requires toe-kick/trim kit)
2	Discharge & return air flows
3	Minimum clearance for air flow and service access on both sides of cabinet
4	Minimum clearance (36") from discharge air outlet & return air intake, see **#2**
5	Holes (4) for mounting unit to wall or ceiling (11/16" Ø)
6	Optional knockout for customer supplied/installed fresh air intake (3" Ø)
7	1⅝" x 3⅜" knockouts for refrigerant tubing, condensate drainage and/or power
8	⅞" x ⅞" clearance hole for condensate drain tubing when ceiling mounted
9	Refrigeration line sets & condensate draining connections
10	Control & power electrical connections
11	Front proximity of **#7**-back knockout locations
12	1⅝" x 3⅜" side panel knockouts for tubing, condensate drainage and/or power
13	1⅝" x 3⅜" bottom, front knockouts for tubing, drainage and/or power
14	1⅝" x 3⅜" bottom, back knockouts for tubing, drainage and/or power
15	Optional toe-kick/trim: 1" bottom flanged, front & sides recessed ½", rear flush
16	Distance from cabinet side to ⅞"x⅞" clearance hole (**#8**)







Dim	Inches	mm	Dim	Inches	mm	Dim	Inches	mm
A	26.00	660	**D**	5.50	140	**G**	2.50	64
B	11.00	279	**E**	35.00	887	**H**	10.44	265
C	41.50	1054	**F**	19.19	487	**J**	40.50	1029

Out/In Model	Factory Charge
S1CV2000D00	* 39.5oz (1120g)
UNHV12D#	
Line Charge	0.25 oz/ft (23 g/m)

* Total charge for the condenser & air handler; condenser shipped from factory with that total charge

Suction Connection: ½"
Liquid Connection: ¼"

Performance — Heat Pump System With Universal Units

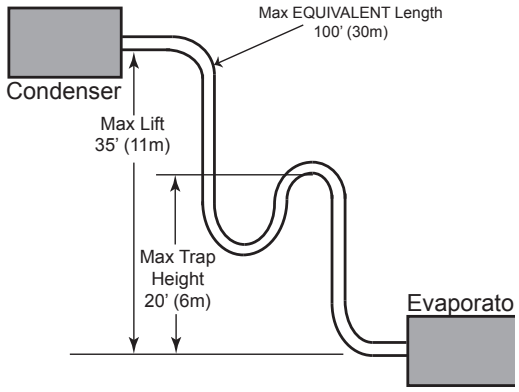
Condenser	Air Handler	Cooling Btuh(kW)	Heating Btuh(kW)	SEER	HSPF	SHR	EER	COP	Ref.
S1CV2000D00	UNHV12D0	12,000 (3.5)	-	17.0	-	0.75	12.0	-	R-410A

Indoor Fan Details	High	Med	Low
Disch. Air Volume [CMF (L/S)]	425(200)	400(188)	375(175)
Indoor Sound Levels [dBA]	45	42	40

Operating Range

		Outdoor Ambient Temp	Indoor Ambient Temp
Cooling	Max	115ºF (46ºC) DB	90ºF (32ºC) DB
	Min	* 0ºF (-18ºC) DB	66ºF (19ºC) DB
Heating	Max	70ºF (21ºC) DB	83ºF (28ºC) DB
	Min	-13ºF (-25ºC) DB	63ºF (17ºC) DB

* With optional wind baffles kit & crankcase heater, otherwise the minimum temp will be 60ºF (16ºC), 32ºF (0ºC) with crankcase heater only.



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Miscellaneous Technical Data

Condenser Weight	98 lbs (44.5 kg)	**Condenser Sound Level** (low/high)	61/64 dBA
Air Handler Weight	95 lbs (43.0 kg)	**Condensate Pump Max Lift**	*48" (1.2m) or
Air Handler Filter	1 washable mesh	* Measured from bottom of drain pan	*144" (3.7m)

NOTICE: Due to ongoing product deveopment; design, specification and performance data listed within this submittal document are subject to change without notice. For the most current unit/system performance data, please refer to the ECR International listing of certified products in the AHRI directory, at www.ahridirectory.org. Please consult the factory for further information.

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