Specifications & Submittal Data

Comfort Where It Counts.

Single-Zone 12,000 Btuh Ceiling Cassette Variable-Speed Heat Pump Split System

Indoor Air Handler Model:

C	A	H		V		1	2		D		*

- Type: [CAH=Cassette 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] [1=1.5 kW heat]

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

Outdoor Condenser Model:

S	1	H		V		2	0	0	0		D		0		0

- Zones: [1=Single zone]
- Operation: [H=Heat Pump]
- Type: [S=Side Discharge]
- 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 HP
AHRI Standard 210/240
Certification applies only when the complete system is listed with AHRI.

Order Quantity of System	
	Single-Zone 12,000Btuh Ceiling Cassette Variable-Speed Heat Pump 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)**
	5¼"Ø Discharge Air Duct Collar (see knockout locations on pg2) **(2, non-adjacent sides)**		Refrigerant line set, 25-feet (Both Tubes Insulated) **(Max of 100 EQUIVALENT feet)**
	Boost Transformer for 115V Installation. (Not compaitble with electric heat) **(2-Dual Point Power, 1-Single Point Power)**		Refrigerant line set, 50-feet (Both Tubes Insulated) **(Max of 100 EQUIVALENT feet)**

Electrical Specifications

Model #	Volts/Hz/Ph	Fan Motor		Elec Heat		Compressor		Total Amps	Min Volt.	MCA	HACR BRKR
		Amps	HP	Amps	kW	RLA	LRA				
S1HV2000D00	208/230/60/1	0.65	0.11	-	-	7.9	12	8.95	197	10.9	15
CAHV12D0	208/230/60/1	0.4	0.10	-	-	-	-	0.4	197	0.5	15
CAHV12D1	208/230/60/1	0.4	0.10	6.52	1.5	-	-	6.9	197	8.6	15

Performance — Heat Pump System With Cassette Units

Condenser	Air Handler	Cooling Btuh(kW)	Heating Btuh(kW)	SEER	HSPF	SHR	EER	COP	Ref.
S1HV2000D00	CAHV12D0	12,000 (3.5)	8,800 (2.6)	15.8	7.7	0.79	13.0	3.0	R-410A

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, otherwise the minimum temp will be 32ºF (0ºC)

To: _____ Project: _____

Date: _____ Customer: _____

From: _____ Location: _____

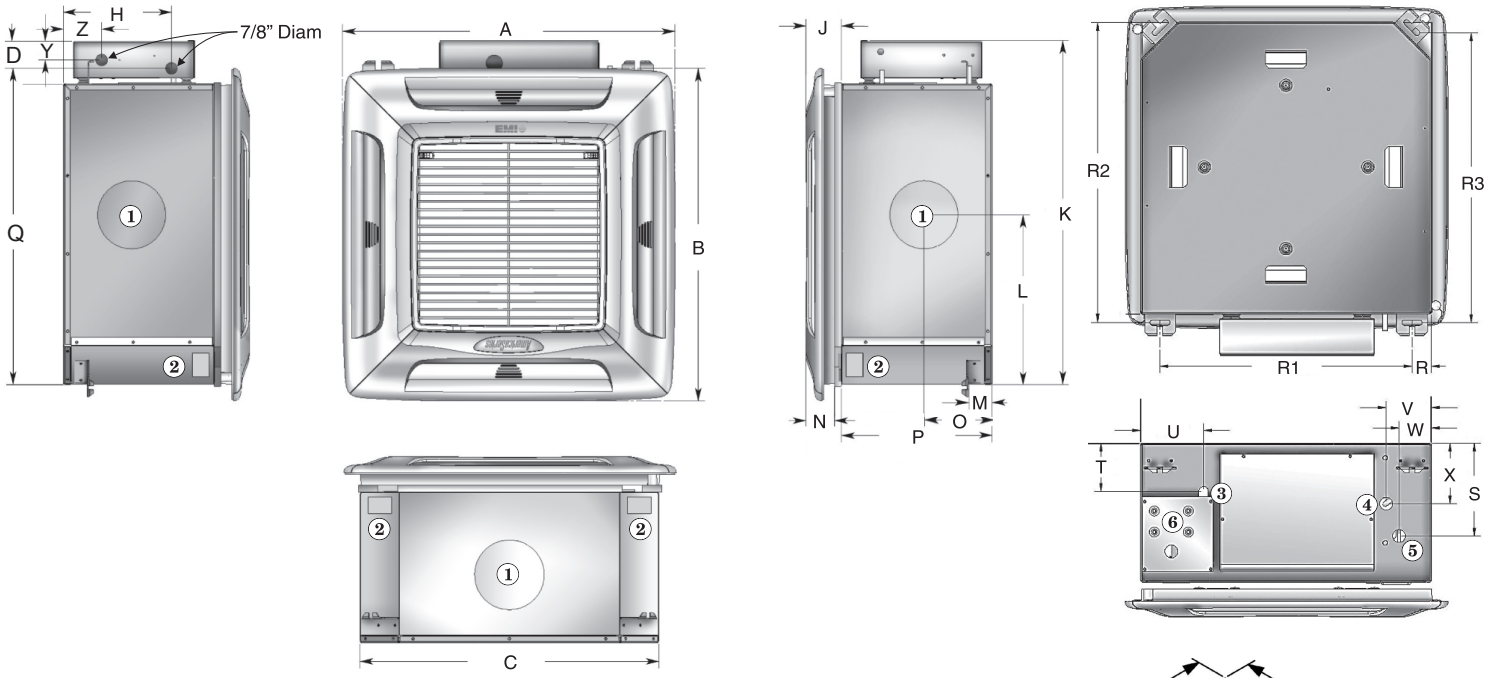
Contact: _____ Engineer: _____

_____ Unit Tag# _____

For Your: ☐ Reference ☐ Approval ☐ Construction

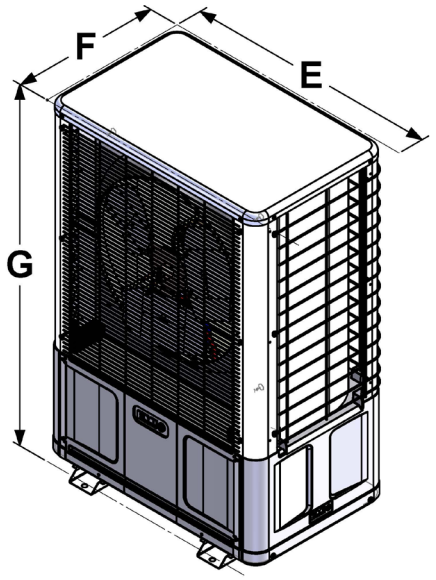
P/N 240009626, Rev A (6/22/2012)

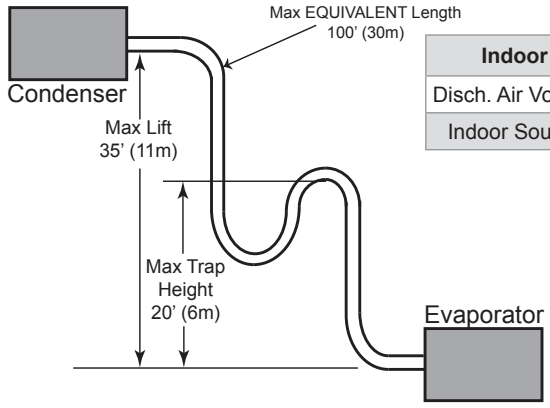
Indoor Air Handler & Outdoor Condenser Dimensions



Dim	Inches	mm	Dim	Inches	mm	Dim	Inches	mm
A	25.00	635	M	1.73	44	U	4.88	124
B	25.00	635	$N_{(ref)}$	2.16	55	V	3.50	89
C	22.50	572	O	5.12	130	W	2.50	64
D	2.04	52	$P_{(ref)}$	11.34	288	X	4.69	119
E	24.00	610	Q	22.57	573	Y	1.41	36
F	15.00	381	$R_{(typ)}$	1.50	38	Z	2.88	73
G	36.00	914	R1	19.50	495	AA	4.63	117
H	8.13	207	R2	23.27	591	BB	14.69	373
$J_{(ref)}$	2.67	68	R3	22.47	571	CC	3.00	76
K	25.86	657	S	7.19	183	DD	12.44	316
L	12.76	324	T	3.73	95			

①	Optional Discharge knock-outs, 5¼"Ø, 3 available
②	Fresh air inlet knockouts, 1¼"x2½", 2 available
③	Condensate Discharge, ½"Ø
④	Suction Connection, ½"
⑤	Liquid Connection, ¼"
⑥	Condensate Pump Access Panel

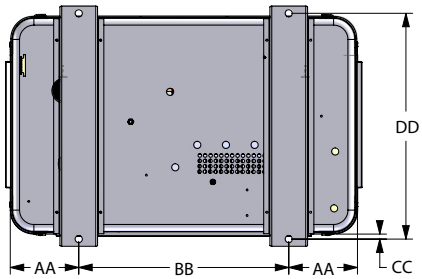




Indoor Fan Details	High	Med	Low
Disch. Air Volume [CMF (L/S)]	380 (180)	355 (169)	335 (158)
Indoor Sound Levels [dBA]	41	40	39

Out/In Model	Factory Charge
S1HV2000D00	* 39.5oz (1120g)
CAHV12D#	
Line Charge	0.25 oz/ft (23 g/m)

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



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Miscellaneous Technical Data			
Condenser Weight	98 lbs (44.5kg)	**Condenser Sound Level** (low/high)	61/64 dBA
Air Handler Weight	70 lbs (31.8kg)	**Condensate Pump Min Flow Rate**	2.5GPH (9.5L/H)
Air Handler Filter	1 washable mesh	**Condensate Pump Max Lift**	* 36" (0.9m)

* Measured from bottom of drain pan

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.

P/N 240009626, Rev A (6/22/2012)