



Specification Data & Submittal



Single Zone 30,000 Btuh Universal Variable-Speed Heat Pump Split System

Indoor Air Handler Model:

U	N	H	V	3	0	D	*
Type: [UNH=Universal Air Handler]			Revision: [V=Variable Speed (Inverter) R-410A]	Capacity: [30=30,000 Btuh]		Voltage: [D=208-230V/1ph/60Hz]	E-Boost Heater: [0=No Elec heat] [5=5 kW Elec heat]

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

Outdoor Condenser Model:

S	1	H	V	3	0	0	0	D	0	0
Type: [S=Side Discharge]			Operation: [H=Heat Pump]	Zone Capacity: [3= Zone is ~30,000 Btuh]			Control: [0=Standard]		Voltage: [D=208-230V/1ph/60Hz]	
Zones: [1=Single zone]			Revision: [V=Variable Speed (Inverter) R-410A]			Coil Option: [0=Aluminum/Copper, Std]				

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

Wired OEM Wall Control for indoor air handler (1) PN 550002581 *Comes with single 15' Interconnecting Cord Extension	Wind baffles / hail guard / architectural louver kit, required for cooling operation to 0°F (-18°C) (1) PN 550002574
15' Interconnecting Cord Extension for Wired OEM Wall Control (10) PN 240009319	Bi-flow Filter Drier, Liquid Line (1) PN 550002576
Condensate Pump Kit, Integral Safeties, Internal/ External Mount, Filter, 48" lift, 115V-230V (1) PN 240009999	Refrigerant line set, 25-feet (Both Tubes Insulated) (Max of 100 EQUIVALENT feet) PN F0631255A
Condensate Pump, 208/230V, Wall/Floor Mount, Stand-Alone, 144" lift (1) PN 550001727	Refrigerant line set, 50-feet (Both Tubes Insulated) (Max of 100 EQUIVALENT feet) PN F0631505A
Condensate Pump, 115V, Wall/Floor Mount, Stand-Alone, 144" lift (1) PN 550001728	Spare Handheld Infrared Remote Control, one already comes with every air handler PN 240009317
Painted Steel Grille Kit, with Standard Filter (1) PN 550001956	Drain Pan Extension Kit (req'd for ceiling mount applications) (1) PN 550001917
MERV 11 Filter Kit, with Painted Steel Grille (1) PN 550002170	Floor Mount Kit, Toe-Kick/Trim/Subbase (1) PN 550001787



Order Quantity of System

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

Electrical Specifications — Dual Point Power

Model #	Volts/Ph/Hz	Fan Motor		Elec Heat		Compressor		Total Amps	Min Volt.	MCA	HACR BRKR
		Amps	HP	Amps	kW	RLA	LRA				
S1HV3000D00	208-230/1/60	1.3	0.25	-	-	19.0	20	20.3	197	25.1	45
UNHV30D0	208-230/1/60	0.8	0.10	-	-	-	-	0.8	197	1.0	15
UNHV30D5	208-230/1/60	0.8	0.10	21.74	5	-	-	22.54	197	28.2	30

Performance — Heat Pump System with High-Wall Air Handler

Condenser	Air Handler	Cooling Btuh (kW)	Heating Btuh (kW)	SEER	HSPF	SHR	EER	COP	Ref.
S1HV3000D00	UNHV30D0	29,800 (8.7)	26,000 (7.6)	14.5	7.7	0.71	10.3	2.8	R-410A

Operating Range

		Outdoor Ambient Temp	Indoor Set Temp
Cooling	Max	115°F (46°C) DB	90°F (32°C) DB
	Min	* 0°F (-18°C) DB	55°F (13°C) DB
Heating	Max	70°F (21°C) DB	90°F (32°C) DB
	Min	-13°F (-25°C) DB	55°F (13°C) DB

* With optional wind baffles kit, else standard minimum temperature is 32°F (0°C)



To: _____
Date: _____
From: _____
Contact: _____

Project: _____
Customer: _____
Location: _____
Engineer: _____
Unit Tag# _____

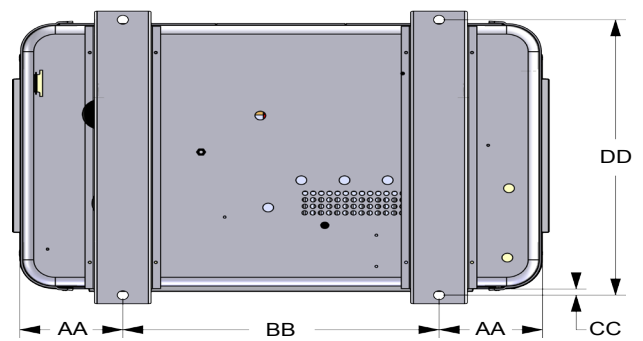
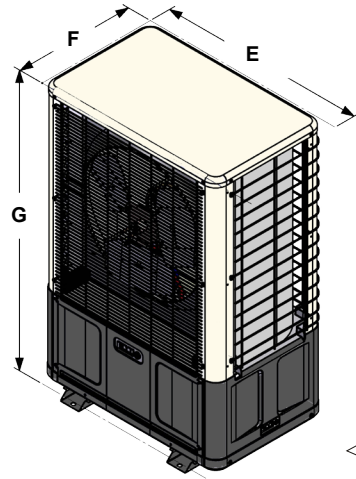
For Your: ☐ Reference

☐ Approval

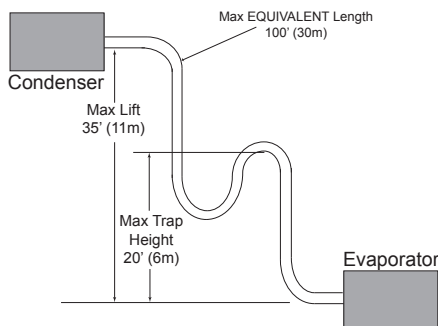
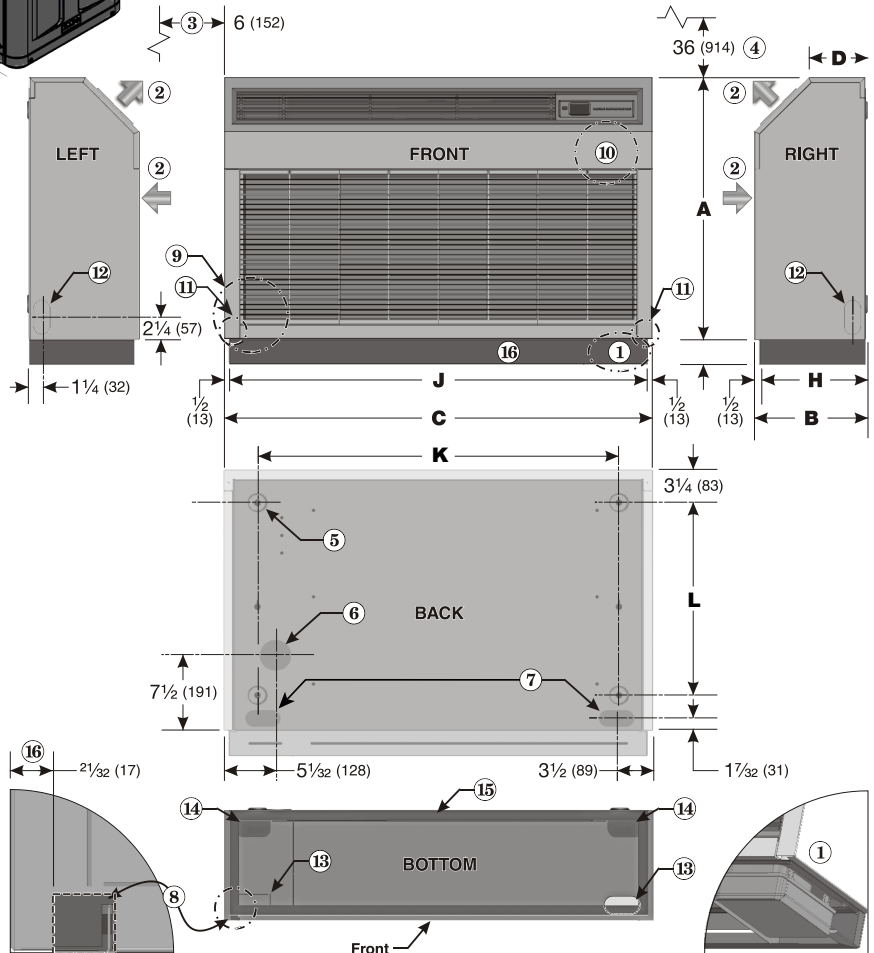
☐ Construction

Air Handler-Condenser Equipment Dimensions & Technical Data

#	Description
1	Optional condensate pump floor-mount location (toe-kick kit req'd)
2	Discharge & return air flows
3	Min clearance for air flow & service access on both cabinet sides
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	1½" x 3¾" knockouts for refrigerant tubing, condensate drainage and/or power
8	7/8" x 7/8" 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 knock-out locations
12	1½" x 3¾" side panel knockouts for tubing, condensate drainage and/or power
13	1½" x 3¾" bottom, front knock-outs for tubing, drainage and/or power
14	1½" x 3¾" bottom, back knock-outs for tubing, drainage &/or power
15	Optional toe-kick/trim: 1" bottom flanged, front & sides recessed ½", rear flush
16	Distance from cabinet side to 7/8"x7/8" clearance hole (#8)



Dim	Inches	mm
A	27.5	699
B	12.38	314
C	62	1575
D	5.06	141
E	38	965
F	15	381
G	48	1219
H	11.81	300
J	61.5	1562
K	55.44	1408
L	20.63	526
M	2.5	64
AA	7	178
BB	23.94	608
CC	3	76
DD	12.44	316



Miscellaneous Product Specifications

Condenser Gross Wt	210 lbs (95.3 kg)	Air Handler Gross Wt	153 lbs (69 kg)
Condenser Air Flow	3500 CFM	Air Handler Air Flow	1000 / 900 / 825 CFM
Condenser Sound	69 dBA	Air Handler Air Flow	470 / 425 / 400 L/S
Factory Ref. Charge	* 90.0 oz (2551 g)	AH Sound / Throw	50 dBA / 27 ft
Line Set Ref. Charge	0.64 oz/ft (59 g/m)	Air Handler Filter(s)	1 - Washable Mesh
Coated Coils	NO	Suction Connection	¾" - Sweat, Insulated
Wired OEM Wall Control	Optional	Liquid Connection	¾" - Sweat, Insulated
Condensate Connection	½"	Power Wiring	Local Code
Filter(s) Efficiency	80 %	Control Wiring	≥18AWG/98ft (6-Wire)

* Total charge for condenser & air handler, shipped in condenser



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NOTICE: Due to ongoing product development; design, specification and performance data listed within this submittal document are subject to change without notice. For the most current performance data, please refer to ECR International listings of certified products in the AHRI directory, or consult the factory.