

Indoor Units

Air Handler Unit

220-240/1/50-60 DC



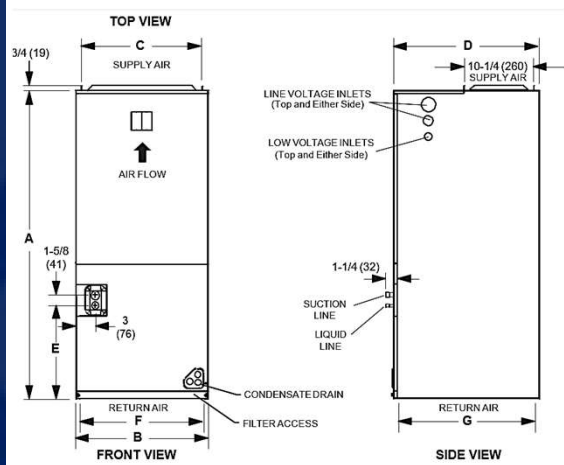
- Auto Restart** - Automatically restores the previous function setting if power is interrupted.
- Expansion Valve** - Assures optimal performance throughout the application range.
- Sweat Connections** - Vapor and liquid lines have sweat connections that extended outside of the cabinet for ease of connection. See dimension drawing for locations.
- Blower** - Direct drive, variable-speed ECM motor. maintains specified air volumes up to a maximum of 0.8 in. w.g. total external static.
- Cabinet** - Painted, galvanized steel cabinet, fully insulated. Upflow and horizontal-right hand air discharge installations only. Flanges on cabinet allow easy supply air duct connection.
- Filter** - access door for easy filter replacement. Electrical inlets provided in sides and top of cabinet. See dimension drawing for locations.

SPECIFICATIONS

General Data	Nominal kBtuh	CTVS-IAHU-018	CTVS-IAHU-024	CTVS-IAHU-030	CTVS-IAHU-036	CTVS-IAHU-048	CTVS-IAHU-060
	Model Number						
Cooling Performance	Mominal Net Cooling Capacity - Btuh	18,000	24,000	30,000	36,000	48,000	54,000
	Total Unit Power Input (W)	160	290	390	350	590	700
	Rated current (A)	1.2.	2.1	2.8	2.5	3.95	4.6
Heating Performance	Nominal Net Heating Capacity - Btuh	21,000	27,000	34,000	40,000	54,000	60,000
	Total Unit Power Input (W)	160	290	390	350	590	700
	Rated current (A)	1.2.	2.1	2.8	2.5	3.95	4.6
Refrigerant Type		R-410A	R-410A	R-410A	R-410A	R-410A	R-410A
Indoor Fan Motor	HP	1/2	1/2	1/2	3/4	3/4	3/4
	RPM	1200	1200	1200	1200	1200	1200
Indoor Coil	Number of rows	4	4	4	4	4	4
	Number of circuits	8	8	8	12	12	12
	Fin Type	Hydrophilic Coated Aluminum					
	Expansion device	Electronic Expansion Valve					
Indoor Coil Connections	Liquid pipe o.d. - in. (sweat)	3/5"	3/5"	3/5"	3/5"	3/5"	3/5"
	Vapor pipe o.d. - in. (sweat)	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"
	Drain connection o.d. - in.	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Indoor Blower	Airflow (high / medium / low) - cfm	650 / 550 / 460	800 / 730 / 600	1000 / 870 / 750	1200 / 1050 / 900	1600 / 1360 / 1120	1800 / 1530 / 1260
	Sound data (high / medium / low) dBA	48 / 45 / 43	49 / 47 / 43	52 / 49 / 47	53 / 50 / 47	57 / 54 / 52	58 / 57 / 55
Filter Size	(not furnished) - in.	18 x 20 x 1	18 x 20 x 1	18 x 20 x 1	20 x 22 x 1	20 x 22 x 1	20 x 22 x 1
Weight Data	Unit weight (net / shipping) - lbs.	123/147	123/147	123/147	163/190	163/190	163/190

ELECTRICAL DATA

	208/230V	208/230V	208/230V	208/230V	208/230V	208/230V
Line voltage data - 60 hz - 1ph	208/230V	208/230V	208/230V	208/230V	208/230V	208/230V
Maximum overcurrent protection (2) (amps)	15	15	15	15	15	15
Minimum circuit ampacity (3)	3.8	3.8	3.8	5.3	5.3	5.3
Indoor Blower Motor - Full load amps	3	3	3	4.2	4.2	4.2



Dimension	018-030		036-054	
	in.	mm	in.	mm
A	45-3/4	1162	53-3/4	1365
B	19-3/4	502	22	560
C	17-7/8	454	19-1/2	495
D	21-5/8	549	24	610
E	13-3/4	349	19-1/2	495
F	18-1/2	470	20-3/8	518
G	20-3/4	527	22-3/4	578