



HEC1 Series DX Cooling with Electric Heat

Cased Horizontal Ceiling Mount Air Handler

Standard Features

- High performance dual constant torque blower design.
- Electric heat models supply voltage is 208/240/1/60.
- High efficiency AC “A” coil design.
- Space saving ceiling mount design.
- Galvanized steel blower wheels and housings.
- Pre-wired for cooling, heating and heat pump operation.
- Standard control transformer is 208/240 VAC primary/ 24 VAC secondary/ 40 VA.
- Secondary circuit of the transformer is grounded per UL60335-2-40 requirements.
- Meets UL60335-2-40; A2L RDS requirements with R-32 or R-454B TXV's
- Refrigerant leak detection and mitigation system
- Meets ASHRAE standard 193 low leak requirements
- Primary and secondary condensate pan drain connections.
- Easy access for service and maintenance.
- High efficiency copper tube and aluminum fin coils.

HEC1 Series DX Cooling with Electric Heat

Description: Cased Horizontal Ceiling Mounted Air Handler

The HEC1 Series horizontal fan coil series is designed for horizontal mounting into a furred down ceiling. This space saving HEC1 series handles up to 1,290 CFM of air movement, up to 3 tons of cooling, and up to 10 kW of electric heat. For cooling requirements, these units are designed to accept coils to match with most brands of AC condensing units. The HEC1 Series are dual rated for 208/240/1/60. These units are ETL listed..

Unit Information Table

Model Number	Cooling Tons	Motor HP	Unit Voltage	Blower Code	CFM Range	Nominal Heating CFM - kW
HEC118*AC	1.5 - 2.0	0.33	208/240	J	482-851	00, 03, 05, 06, 08, 10
HEC124*BC	1.5 - 2.5	0.33	208/240	K	480-851	00, 03, 05, 06, 08, 10
HEC130*BC	1.5 - 2.5	0.50	208/240	M	837-1258	00, 03, 05, 06, 08, 10
HEC130*CC	1.5 - 3.0	0.50	208/240	M	836-1267	00, 03, 05, 06, 08, 10
HEC136*DC	1.5 - 3.0	0.50	208/240	M	992-1332	00, 03, 05, 06, 08, 10

Dimensional Data

Model Number	A	B	C	D	R	F	G
HEC118*AC	41	3.125	7.625	4	3	5.875	3.1875
HEC124*BC	47	2.125	6	3	2	4.75	2.125
HEC130*CC	53.5	3.50	8.5	4.25	3.25	6	3.5
HEC136*DC	60.5	3.50	12	4.25	3.25	6	3.5

Factory Installed Options

- Louvered access panel.
- Non-louvered access panel
- Thermostatic expansion valves are suitable for both AC and Heat Pump applications.

Field Installed Options

- Louvered or non-louvered ceiling access panels.

Field Connections

3/4" Male Drain Connection – Primary 3/4" Male Drain Connection – Secondary 9/16" Thermostat Cable Connection 3/8" Liquid Line 3/4" Suction line

Air Filter Sizes

Model	Filters
HCPL-1	(2) 16x16x1
HCPL-2	(2) 16x20x1
HCPL-3	(2) 16x25x1
HCPL-4	(2) 16x25x1

Discharge Opening

Model	Opening (in)
HEC118*AC	30.25 x 7.50
HEC124*BC	38.25 x 7.50
HEC130*CC	42.25 x 7.50
HEC136*DC	49.25 x 7.50

Clearance to Combustibles

Top (in)	Back (in)	Sides (in)	Supply Duct (in)
0	0	0	0

Rear Return Knock Out Opening

Model	Opening (in)
HEC118*AC	30.875 x 7.25
HEC124*BC	38.375 x 7.50
HEC130*CC	42.375 x 7.50
HEC136*DC	49.375 x 7.50

Physical Dimensions

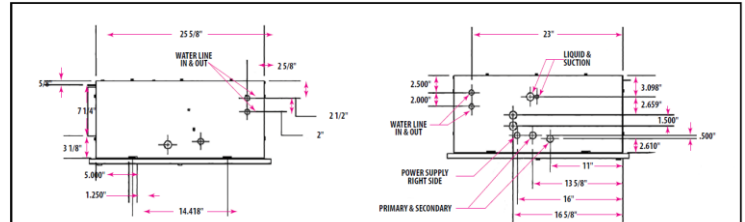


Figure 2: HEC Dimensions - Side Views

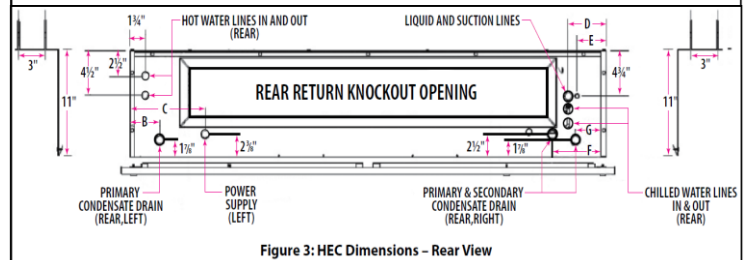


Figure 3: HEC Dimensions - Rear View

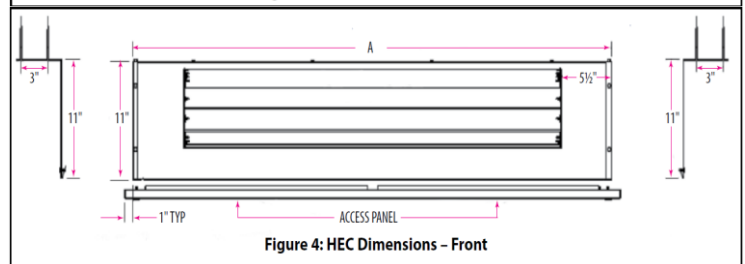
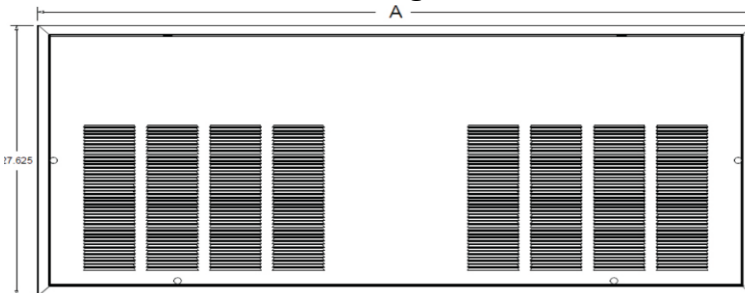


Figure 4: HEC Dimensions - Front

Louvered Ceiling Panels



Louvered Ceiling Panel Information

Part No.	Overall frame Dimension	Type	SunTherm Horizontal Fan Coil Models
HCPL-1	27.5 x 43	Louvered	HEU118*AC
HCPL-2	27.5 x 49	Louvered	HEU124*BC
HCPL-3	27.5 x 55.5	Louvered	HEU130*CC
HCPL-4	27.5 x 62.5	Louvered	HEU136*DC
CPNL-1	27.5 x 43	Non-Louvered	HEU118*AC
CPNL-2	27.5 x 49	Non-Louvered	HEU124*BC
CPNL-3	27.5 x 55.5	Non-Louvered	HEU130*CC
CPNL-4	27.5 x 62.5	Non-Louvered	HEU136*DC

