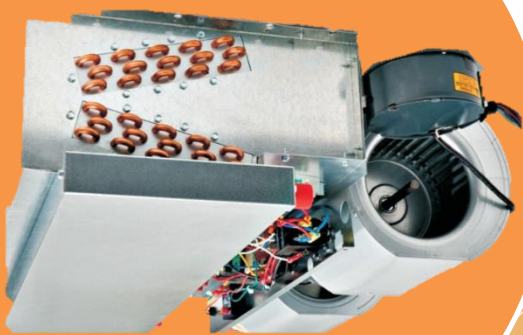




HEU2 Series DX Cooling with Hot Water Heat

Uncased Horizontal Ceiling Mounted 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.
- Hydronic control board with built-in water pump cycle timer that cycles the water pump every 6 hours for 60 seconds.
- Water pump is factory installed on these units.
- Freeze protection switch is installed on these units.
- Standard control transformer is 115 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.

HEU2 Series DX Cooling with Hot Water Heat

Uncased Horizontal Ceiling Mounted Air Handler

Description:

The HEU2 Series horizontal fan coil series is designed for horizontal mounting into a furred down ceiling. This space saving HEU2 series handles up to 1,200 CFM of air movement, up to 3 tons of cooling, Hot water capacity from 6,516 to 55,260 BTU/H, depending on entering water temperature and water pump GPM. Refer to the heating capacity table below for mor information. For cooling requirements, these units are designed to match with most br. The HEU2 Series are rated for 115/1/60. These units are ETL listed.

Unit Information Table

Model No.	Nominal Cooling Tons	Blower Code	Indoor Motor HP	Voltage/ PH/ HZ	Water Pump Amps	Minimum Circuit Ampacity	Maximum Overcurrent Protection	CFM Range @ 0.2 ESP
HEU218*AA	1.5 - 2.0	N	0.33	115/1/60	0.52	2.69	15	485-857
HEU224*BA	1.5 - 2.5	O	0.33	115/1/60	0.52	2.74	15	486-854
HEU230*BA	1.5 - 2.5	R	0.5	115/1/60	0.52	5.2	15	834-1253
HEU236*CA	1.5 - 3.0	R	0.5	115/1/60	0.52	4.71	15	845-1261
HEU230*DA	1.5 - 3.0	R	0.5	115/1/60	0.52	4.48	15	837-1252

Dimensional Data

Model Number	Liquid Line	Suction Line	Water Line	A	B	C
HEU218*AC	3/8	3/4	(2) 5/8	37	34.25	30
HEUJ224*BC	3/8	3/4	(2) 5/8	45	42.25	38
HEU230*CC	3/8	3/4	(2) 5/8	49	46.25	42
HEU236*DC	3/8	3/4	(2) 5/8	56	53.25	49

Hot Water Data

Model No.	Heating Capacities						Heatin g GPM	Press Drop FT.	Voltage VAC/PH/
	130°F	140°F	150°F	160°F	170°F	180°F			
HEC218*AA	19,041	22,511	25,599	28,904	32,222	35,552	3.0	2.8	115/1/60
HEC224*BA	22,192	25,970	29,763	33,568	37,384	41,208	3.0	0.18	115/1/60
HEC230*BA	25,137	29,452	33,790	38,148	42,524	46,914	3.0	3.4	115/1/60
HEC236*CA	26,258	30,755	35,275	39,813	44,368	48,937	3.0	2.8	115/1/60
HEC230*DA	27,985	32,763	37,561	42,377	47,206	52,048	3.0	0.21	115/1/60

Factory Installed Options

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

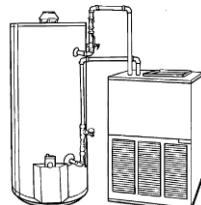
Field Installed Options

- Louvered or non-louvered ceiling access panels.

Field Installed Connections

3/4" Male Drain – Primary
3/4" Male Drain – Secondary
9/16" Thermostat Cable

Hot Water Heat configuration with a Hot Water Tank



Discharge Opening

Model	Opening (in)
HEU218*AC	30.25 x 7.50
HEUJ224*BC	38.25 x 7.50
HEU230*CC	42.25 x 7.50
HEU236*DC	49.25 x 7.50

Air Filter Sizes

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

Clearance to Combustibles

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

Physical Dimensions

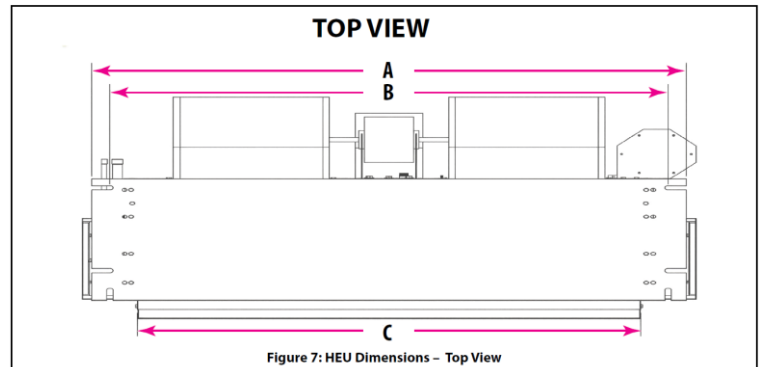


Figure 7: HEU Dimensions - Top View

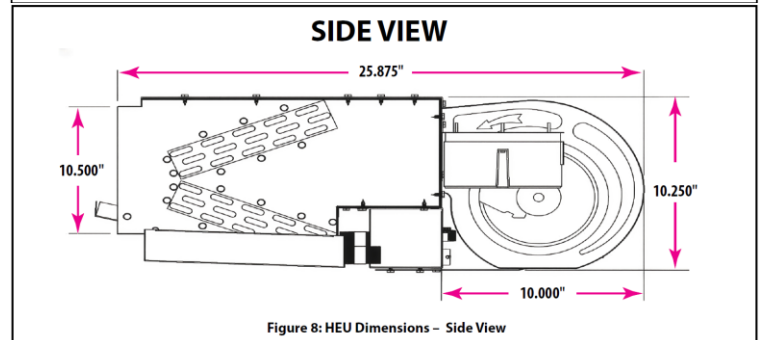


Figure 8: HEU Dimensions - Side View

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

