



**UNILUX**  
HVAC INDUSTRIES

# HIGH-CAPACITY Horizontal Fan Coils



APARTMENTS | CONDOS | ASSISTED LIVING | HOTELS | RESORTS

# High-Capacity Horizontal Fan Coil



## Product Info

Maximize CFM output to suites with Unilux's High-Capacity Horizontal Fan Coils. Higher CFM output ensures optimal heating and cooling for mid to high-rise residential buildings. Features include:

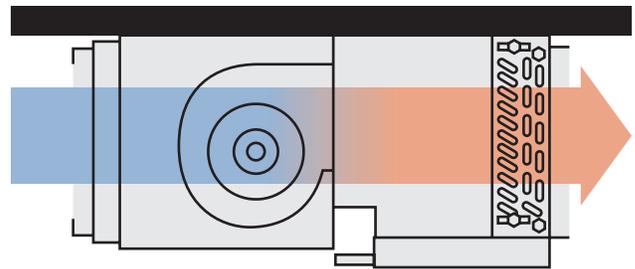
- Whisper-quiet heating and cooling available in 2-pipe and 4-pipe configurations.
- Easy ceiling installation.
- Available in multiple sizes and capacities.
- 24V AC control.
- ECM motors increase efficiency and durability.
- Advanced safety sensors help prevent water damage.

## Dimensions

Model	Dimensions in Inches		
	Width	Height	Depth
HLE/HSC 600	30.475	17.50	38.75
HLE/HSC 800			
HLE/HSC 1000	40.375	17.50	39.00
HLE/HSC 1200			
HLE/HSC 1400	50.375	17.50	39.00
HLE/HSC 1600			
HLE/HSC 1800	60.375	17.50	40.135
HLE/HSC 2000			

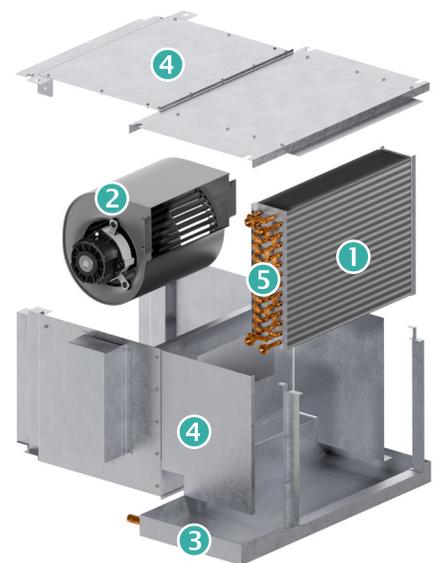
## Mounting Configuration

Ceiling-mountable with horizontal airflow.



## Parts & Assembly

- 1 Hydronic coil features aluminium fins mechanically bonded to copper tubing
- 2 Centrifugal blower/motor assembly featuring energy efficient ECM motor
- 3 All-welded stainless steel condensate drain pan with positive drainage and overflow sensor
- 4 Galvanized steel cabinet
- 5 Easy hydraulic connections with 3/4" NPT



# Performance Schedule

## Two-Pipe High-Capacity Fan Coils

Model	Tag	Total Cooling Capacity & Coil Performance											
		Supply Air	No. of Rows	Water Flow	EAT °F		LAT °F		EWT	LWT	Total Cool Cap.	Sense. Cool Cap.	WPD
		CFM		GPM	db	wb	db	wb	°F	°F	MBH	MBH	FT
HLE 600	HFC-1	605	4	3.00	80	67	57	57	45	58	19.1	14.8	0.7
HLE 800	HFC-2	810	4	4.00	80	67	58	58	45	57	24.7	19.4	1.2
HLE 1000	HFC-3	1,013	4	5.00	80	67	56	56	45	59	34.9	25.9	2.4
HLE 1200	HFC-4	1,216	4	6.00	80	67	57	57	45	59	40.8	30.5	3.3
HLE 1400	HFC-5	1,492	4	7.50	80	67	56	56	45	59	53.8	39.0	6.2
HLE 1600	HFC-6	1,687	4	8.00	80	67	56	56	45	60	58.1	42.9	6.9
HLE 1800	HFC-7	1,944	4	10.00	80	67	55	55	45	59	71.9	51.5	12.4
HLE 2000	HFC-8	2,081	4	11.00	80	67	55	55	45	59	76.5	54.9	14.6

Model	Tag	Total Heating Capacity & Coil Performance									
		Supply Air	No. of Rows	Water Flow	EAT	LAT	EWT	LWT	Total Heat Cap.	WPD	
		CFM		GPM	°F	°F	°F	°F	MBH	FT	
HLE 600	HFC-1	605	4	3.00	70	160	180	139	59.2	0.5	
HLE 800	HFC-2	810	4	4.00	70	157	180	141	76.2	0.9	
HLE 1000	HFC-3	1,013	4	5.00	70	161	180	139	99.9	1.8	
HLE 1200	HFC-4	1,216	4	6.00	70	159	180	140	117.0	2.4	
HLE 1400	HFC-5	1,492	4	7.50	70	161	180	140	147.4	4.6	
HLE 1600	HFC-6	1,687	4	8.00	70	159	180	138	162.4	5.1	
HLE 1800	HFC-7	1,944	4	10.00	70	162	180	140	193.2	9.1	
HLE 2000	HFC-8	2,081	4	11.00	70	161	180	141	205.6	10.7	

## Four-Pipe High-Capacity Fan Coils

Model	Tag	Total Cooling Capacity & Coil Performance											
		Supply Air	No. of Rows	Water Flow	EAT °F		LAT °F		EWT	LWT	Total Cool Cap.	Sense. Cool Cap.	WPD
		CFM		GPM	db	wb	db	wb	°F	°F	MBH	MBH	FT
HSC 600	HFC-1	598	2	4.00	80	67	55	55	45	56	21.7	15.8	1.2
HSC 800	HFC-2	801	2	5.00	80	67	56	56	45	56	27.1	20.2	1.8
HSC 1000	HFC-3	1,001	2	6.00	80	67	55	55	45	57	37.4	26.8	3.3
HSC 1200	HFC-4	1,202	2	7.00	80	67	56	56	45	57	43.2	31.3	4.4
HSC 1400	HFC-5	1,475	2	8.00	80	67	55	55	45	59	54.8	39.2	6.9
HSC 1600	HFC-6	1,667	2	9.00	80	67	56	56	45	58	60.3	43.6	8.5
HSC 1800	HFC-7	1,922	2	10.00	80	67	55	55	45	59	71.5	51.1	12.4
HSC 2000	HFC-8	2,057	2	11.00	80	67	55	55	45	59	76.1	54.5	14.6

Model	Tag	Total Heating Capacity & Coil Performance									
		Supply Air	No. of Rows	Water Flow	EAT	LAT	EWT	LWT	Total Heat Cap.	WPD	
		CFM		GPM	°F	°F	°F	°F	MBH	FT	
HSC 600	HFC-1	598	2	2.25	70	138	180	140	44.0	1.1	
HSC 800	HFC-2	801	2	3.00	70	134	180	142	55.4	1.8	
HSC 1000	HFC-3	1,001	2	4.00	70	139	180	141	74.9	4.0	
HSC 1200	HFC-4	1,202	2	4.50	70	135	180	141	85.3	4.9	
HSC 1400	HFC-5	1,475	2	5.50	70	138	180	140	108.0	8.9	
HSC 1600	HFC-6	1,667	2	6.00	70	135	180	139	118.0	10.3	
HSC 1800	HFC-7	1,922	2	7.00	70	137	180	139	140.2	16.4	
HSC 2000	HFC-8	2,057	2	7.50	70	136	180	139	147.8	18.4	

# Standard Features

All horizontal fan coil units receive special inspections to ensure they meet UL 1995 / CSA 22.2 #236 - Issue 2011 standard for both heating and cooling.

## 1. Cabinet

20-gauge galvanized steel contains for all exterior components and 18-gauge for interior components and is designed to be wall or ceiling mounted.

## 2. Coil Assembly

Coils corrugated aluminum fins mechanically bonded to ½" OD copper tube. Rows and circuiting to be selected to suit scheduled capacities. Coils are rated for a minimum working pressure of 450 psig.

## 3. Fan Assembly

A thermally-protected, multi-speed ECM motor is resiliently mounted to a dual Inlet blower fan.

## 4. Piping Branches

Includes shut-off ball valves with flare nuts in the supply and return branches for easy removal.

## 5. Control Valve Package (Optional)

Factory assembled 2-way control valve package for 2-pipe or 4-pipe units with flare nut connection to piping branches facilitate easy removal without using torch or pipe cutters. 6-Way Valve piping package are available.

Optional drip tray available for valve packages.

## 6. Insulated Drain Pan

Stainless steel primary drain pan insulated on the underside.

## 7. Electrical Requirements

115/208 vac, 60 hz, 155 watts.

## 8. Thermostat Control

Simple ON/OFF or modulating control available. Modulating control requires a multi-speed switch for fan speed operation.

## 9. Warranty

Limited 2-year warranty.



Our ever-improved, state-of-the-art designs are demanded by today's best developers, engineers and owners. Contact us to learn why Unilux HVAC is the preferred choice of professionals throughout North America for residential and commercial HVAC solutions.

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