

# HEPAir

## Unit Performance and Specifications

### Model 24S200-XXXX

Model Suffix		-221XX	-224XX	-225XX
<b>Performance</b>				
Cooling Capacity - (BTU/H) See Note 1		21000 / 23400		
Power Requirements (Volts/Phase/Hertz)		208-230/1/60		
Current Draw (Amps)		19		
Circuit Size (Amps)		30		
Sound Characteristic dB(A) See Note 2		0 - 4		
<b>Controls</b>				
Type		Thermostat	PID	
Accuracy		± 2°F	± 0.5°F	
Optional Remote Sensor		Yes	Standard	
<b>Evaporator Section</b>				
Fan Motor Size (HP)		1/4		
Air Flow (CFM)		300 - 800		
External Static Pressure (inches WG)		0.1"		
Drain (Optional)		1/2" O.D.		
<b>Condenser Section</b>				
Fan Size (HP)		1/4		
Air Flow (CFM)		800		
External Static Pressure (inches WG)		0.1"		
<b>Electric Reheat</b>				
Capacity		N/A	1kW	2kW
Power Requirements (Volts/Phase/Hertz)		N/A	208-230/1/60	208-230/1/60
Current Draw (Amps) See Note 3		N/A	5.1	9.6
<b>Humidifier</b>				
Accuracy		± 5%		
Capacity		5 pounds/hour		
Power Requirements (Volts/Phase/Hertz)		208-230/1/60		
Current Draw (Amps) See Note 3		10		
<b>Cabinet</b>				
Construction		.063 Aluminum		
Finish		Blue, Powder Coat, Corrosion Inhibiting		
Weight (pounds)		250-275		
Dimensions (Inches)		Length	47 1/2	
		Width	23 1/2	
		Height	18 1/4	
Suspension		Upper corners, 3/8" x #16 Threaded Rod		
Agency Approval(s)		ETL IAW UL/CSA 1995		

1. Cooling capacity rating conditions: 75F/50% RH evaporator, 75F condenser / 95F/30% RH evaporator, 95F condenser
2. Sound data shows increase over fan filter unit noise. Readings taken 30" from face of fan filter unit.
3. Requires additional power circuit
4. HEPAir reserves the right to make changes to this document without prior notice at our sole discretion.

# HEPAir

## Unit Performance and Specifications Model 24S088-XXXX

Model Suffix		-221XX	-224XX	-225XX
<b>Performance</b>				
Cooling Capacity - (BTU/H) See Note 1		9050 / 10200		
Power Requirements (Volts/Phase/Hertz)		208-230/1/60		
Current Draw (Amps)		10.3		
Circuit Size (Amps)		20		
Sound Characteristic dB(A) See Note 2		0 - 4		
<b>Controls</b>				
Type		Thermostat	PID	
Accuracy		± 2°F	± 0.5°F	
Optional Remote Sensor		Yes	Standard	
<b>Evaporator Section</b>				
Fan Motor Size (HP)		1/4		
Air Flow (CFM)		150 - 800		
External Static Pressure (inches WG)		0.1"		
Drain (Optional)		1/2" O.D.		
<b>Condenser Section</b>				
Fan Size (HP)		1/4		
Air Flow (CFM)		500		
External Static Pressure (inches WG)		0.1"		
<b>Electric Reheat</b>				
Capacity		N/A	1kW	2kW
Power Requirements (Volts/Phase/Hertz)		N/A	208-230/1/60	208-230/1/60
Current Draw (Amps) See Note 3		N/A	5.1	9.6
<b>Humidifier</b>				
Accuracy		± 5%		
Capacity		5 pounds/hour		
Power Requirements (Volts/Phase/Hertz)		208-230/1/60		
Current Draw (Amps) See Note 3		10		
<b>Cabinet</b>				
Construction		.063 Aluminum		
Finish		Blue, Powder Coat, Corrosion Inhibiting		
Weight (pounds)		175-200		
Dimensions (Inches)	Length	47 1/2		
	Width	23 1/2		
	Height	14 1/4		
Suspension		Upper corners, 3/8" x #16 Threaded Rod		
Agency Approval(s)		ETL IAW UL/CSA 1995		

1. Cooling capacity rating conditions: 75F/50% RH evaporator, 95F condenser / 85F/35% evaporator, 95F condenser
2. Sound data shows increase over fan filter unit noise. Readings taken 30" from face of fan filter unit.
3. Requires additional power circuit
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## Unit Performance and Specifications Model 24S050-XXXX

Model Suffix		-121XX	-125XX
<b>Performance</b>			
Cooling Capacity - (BTU/H) See Note 1		7400 / 8700	
Power Requirements (Volts/Phase/Hertz)		115/1/60	
Current Draw (Amps)		15.9	
Circuit Size (Amps)		20	
Sound Characteristic dB(A) See Note 2		0 - 4	
<b>Controls</b>			
Type		Thermostat	PID
Accuracy		± 2°F	± 0.5°F
Optional Remote Sensor		Yes	Standard
<b>Evaporator Section</b>			
Fan Motor Size (HP)		1/4	
Air Flow (CFM)		150 - 800	
External Static Pressure (inches WG)		0.1"	
Drain (Optional)		1/2" O.D.	
<b>Condenser Section</b>			
Fan Size (HP)		1/4	
Air Flow (CFM)		500	
External Static Pressure (inches WG)		0.1"	
<b>Electric Reheat</b>			
Capacity		N/A	0.6kW
Power Requirements (Volts/Phase/Hertz)		N/A	115/1/60
Current Draw (Amps) See Note 3		N/A	5.2
<b>Humidifier</b>			
Accuracy		± 5%	
Capacity		5 pounds/hour	
Power Requirements (Volts/Phase/Hertz)		208-230/1/60	
Current Draw (Amps) See Note 3		10	
<b>Cabinet</b>			
Construction		.063 Aluminum	
Finish		Blue, Powder Coat, Corrosion Inhibiting	
Weight (pounds)		175 -200	
Dimensions (Inches)	Length	47 1/2	
	Width	23 1/2	
	Height	14 1/4	
Suspension		Upper corners, 3/8" x #16 Threaded Rod	
Agency Approval(s)		ETL IAW UL/CSA 1995	

1. Cooling capacity rating conditions: 75F/50% RH evaporator, 95F condenser / 85F/35% RH evaporator, 95F condenser

2. Sound data shows increase over fan filter unit noise. Readings taken 30" from face of fan filter unit.

3. Requires additional power circuit

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## Cooling Capacity

### Base Model 24S200-XXXX

Evaporator Air Flow	Evaporator Entering RH%	Evaporator Entering Air Dry Bulb Temperature, °F					
		65°F		75°F		85°F	
		Sensible BTUH	Latent BTUH	Sensible BTUH	Latent BTUH	Sensible BTUH	Latent BTUH
300 cfm	35%	7800	0	11300	2100	13500	2700
	40%	7500	0	11300	4000	12500	5500
	45%	7300	600	10700	4300	11800	6600
	50%	7000	1200	10500	5100	11300	7700
	55%	6800	3000	9300	5500	10900	9100
550 cfm	35%	14900	0	17500	900	19900	1200
	40%	14900	0	16300	2100	18100	3900
	45%	14500	1000	15500	3400	16900	6800
	50%	13300	2500	15100	5100	16000	7500
	55%	12500	4300	13000	5700	14300	8300
800 cfm	35%	17700	0	21600	600	22500	1600
	40%	17700	0	20000	1300	20700	1800
	45%	17300	0	19000	2700	19000	3500
	50%	16700	2500	17900	3000	17300	5500
	55%	15900	5500	15500	3300	15500	7700

Note: Condenser air inlet: 1,150 cfm @ 95°F

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## Cooling Capacity

### Base Model 24S088-XXXX

		Evaporator Entering Air Dry Bulb Temperature, °F					
Evaporator Air Flow	Evaporator Entering RH%	65°F		75°F		85°F	
		Sensible BTUH	Latent BTUH	Sensible BTUH	Latent BTUH	Sensible BTUH	Latent BTUH
<b>150 cfm</b>	35%	5400	750	6000	1300	6450	2050
	40%	5250	1100	5750	1750	6100	2600
	45%	5100	1400	5500	2200	5800	3200
	50%	4900	1800	5250	2750	5550	3750
	55%	4750	2100	5000	330	5250	4300
<b>300 cfm</b>	35%	6700	0	7700	0	8700	0
	40%	6550	300	7500	400	8300	800
	45%	6400	550	7300	900	7900	1600
	50%	6200	1000	6900	1550	7400	2500
	55%	6000	1400	6450	2250	6850	3250
<b>550 cfm</b>	35%	7900	0	9050	0	10200	0
	40%	7900	0	9050	0	10200	0
	45%	7900	0	9050	0	10200	0
	50%	7900	0	8950	300	9950	600
	55%	7900	0	8900	600	9600	1200
<b>800 cfm</b>	35%	7900	0	9050	0	10200	0
	40%	7900	0	9050	0	10200	0
	45%	7900	0	9050	0	10200	0
	50%	7900	0	9050	0	10200	0
	55%	7900	0	9050	0	10200	0

Note: Condenser air inlet: 500cfm @ 95°F

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## Cooling Capacity

### Base Model 24S050-XXXX

Evaporator Air Flow	Evaporator Entering RH%	Evaporator Entering Air Dry Bulb Temperature, °F					
		65°F		75°F		85°F	
		Sensible BTUH	Latent BTUH	Sensible BTUH	Latent BTUH	Sensible BTUH	Latent BTUH
300 cfm	35%	5050	0	6300	0	7200	0
	40%	5050	0	6300	0	7200	0
	45%	5050	0	6300	0	7200	0
	50%	5050	0	6200	250	6800	600
	55%	5050	0	6050	500	6550	1200
550 cfm	35%	6100	0	7200	0	8200	0
	40%	6100	0	7200	0	8200	0
	45%	6100	0	7200	0	8200	0
	50%	6100	0	7200	0	8200	0
	55%	6100	0	7200	0	8200	0
800 cfm	35%	6400	0	7400	0	8700	0
	40%	6400	0	7400	0	8700	0
	45%	6400	0	7400	0	8700	0
	50%	6400	0	7400	0	8700	0
	55%	6400	0	7400	0	8700	0

Note: Condenser air inlet: 500cfm @ 95°F

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## **24S Series**

### *Electrical Requirements*

<b>Model</b>	<b>Voltage</b>	<b>Unit Amps</b>	<b>Heater Amps</b>	<b>Total Amps</b>	<b>Minimum Circuit</b>	<b>20 Amp Circuits</b>	<b>30 Amp Circuits</b>
24S050-121XX	115/1/60	15.9		15.9	18.5	1	
24S050-125XX	115/1/60	15.9	5.2	21.1	24.3	2	1
24S088-221XX	208/1/60	10.3		10.3	12.1	1	
24S088-224XX	208/1/60	10.3	5.1	15.4	18.5	1	
24S088-225XX	208/1/60	10.3	9.6	19.9	22.9	2	1
24S200-221XX	208/1/60	19.0		19.0	21.9	1	
24S200-224XX	208/1/60	19.0	5.1	24.1	27.7	2	
24S200-225XX	208/1/60	19.0	9.6	28.6	32.9	2	2

Notes: Minimum circuit load calculated IAW ETL guidelines, but local codes may apply  
Humidifier voltage is 208/1/60, 10 amps