IEC International Environmental

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AHY AIR HANDLING SERIES

PRODUCT CATALOG

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Model: AHY

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AHY AIR HANDLING UNIT

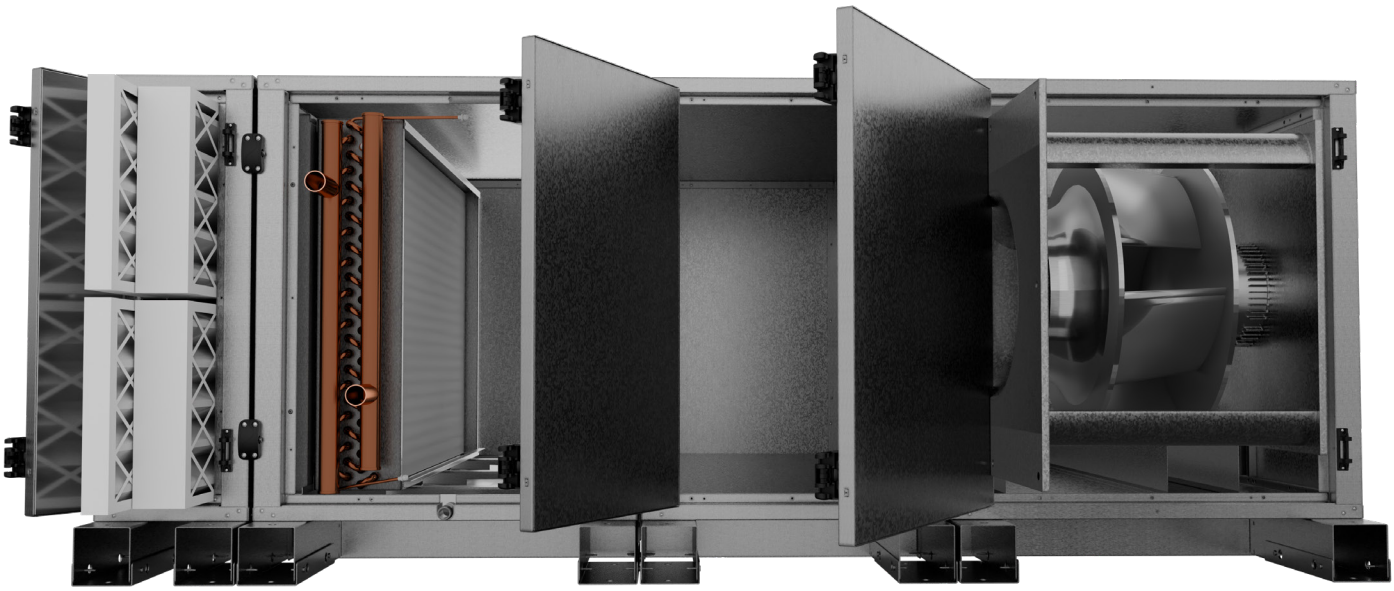
The AHY Air Handling Unit is designed to deliver cost-effective solutions with unmatched flexibility for a wide range of applications. Its modular design and compact footprint make it ideal for both new construction and retrofit projects, providing efficient comfort cooling and heating. Pre-engineered options enhance adaptability while ensuring proven, dependable performance.

STANDARD FEATURES AND OPTIONS

- Modular construction and compact design with maximum module length of 33 inches
- Airflow capacities are between 3,000 and 10,000 cfm
- Direct drive plenum fan supplying up to 6 inches total static pressure (TSP)
- 1-inch thick double wall foam-injected panels
- 2-inch, 4-inch and 2-inch/4-inch MERV 10 and MERV 13 filter options
- Single or dual-point power connections
- Primary coil module with up to a total of 12 rows of coil
- Double sloped stainless-steel drain pan
- Secondary coil module with up to 4 rows of heating coils
- ½-inch O.D. mechanically expanded copper tubes with aluminum fins
- 24-inch access module
- Remote mounted control box

OPTIONAL FEATURES

- 18-inch access module
- Electric heating module
- Mixing box module
- Condensate drain sensor
- Stainless-steel coil casings
- AHRI-430 Certified Coil



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The AHY Advantage

IMPROVED PERFORMANCE AND INDOOR AIR QUALITY

- The unit is designed to overcome up to 6 inches of total static pressure at airflows ranging between 3,000 cfm and 10,000 cfm, making it a versatile solution for a variety of applications
- With its direct drive plenum fans, the AHY maximizes operational efficiency while providing quiet performance
- 1-inch foam-injected panel construction provides R-6.5 thermal efficiency
- Multiple MERV-rated filter media available for superior indoor air quality

DESIGN FLEXIBILITY AND VERSATILITY

- The AHY is designed with a variety of modules that enable use in versatile applications
- A wide variety of hydronic coil configurations with coil circuiting and fins per inch options that enable tailoring performance to meet application needs
- Floor or ceiling mounting locations with robust base rail design

INSTALLATION SIMPLICITY

- Single-point connections for simplified unit wiring
- Fully gasketed construction ensures an airtight seal when units are assembled
- Maximum module length of 33 inches allows for easy maneuverability of units on site

EASE OF SERVICE AND MAINTENANCE

- Units shipped fully assembled or in modules for on-site assembly
- Double wall panels allow easy cleaning
- Hinged removable access doors allow for easy maintenance and replacement of parts
- Remote mounted control box for simple field wiring and accessibility

QUALITY AND SAFETY

- ETL and cETL listed for safety assurance
- ASHRAE 62.1 compliant stainless steel drain pans

APPLICATIONS OF AHY UNITS

AHY units provide a compact and dependable solution for air handling needs, making them especially advantageous in projects where cost-efficiency is a primary concern. AHY units are designed to accommodate both constant volume and variable-air-volume (VAV) applications, allowing for their integration into a variety of HVAC system designs. These units are utilized across a broad range of settings due to their versatility and reliability.

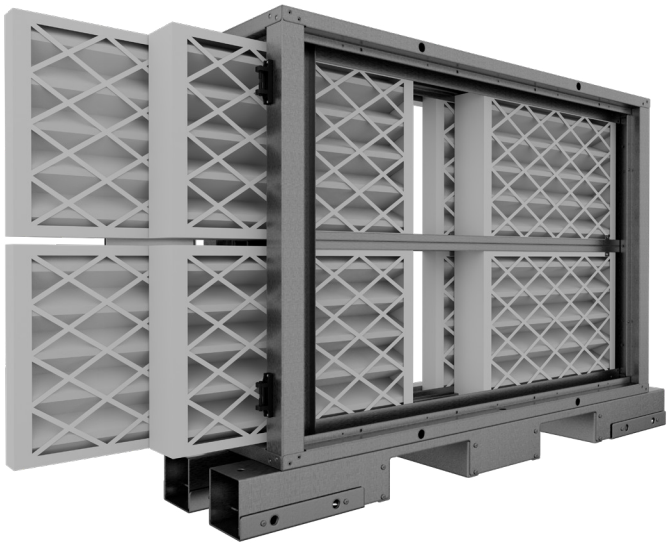
TYPICAL ENVIRONMENTS

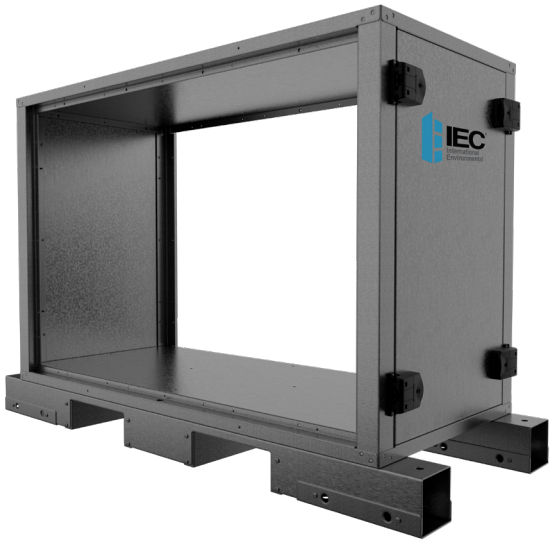
- Educational institutions
- Commercial offices
- Healthcare facilities
- Retail establishments

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FILTER MODULE

The filter module has options for either a flat filter or angled filter configuration. Both options allow for a variety of filter options to provide improved indoor air quality. The filter module allows for tool-less replacement through side access doors with latches. Filter racks for the flat filter configuration are factory configurable to accept 2-inch, 4-inch, or 2-inch + 4-inch filter options, while the angled filter configuration is configured to accept 2-inch or 4-inch filters. MERV 10 and MERV 13 rated filters are available from the factory. All units are shipped with 2-inch throwaway filters to prevent construction dust and debris from entering the units during storage and installation.





ACCESS MODULE

The access module provides easy access to the coil for service and maintenance. The unique access door latches allow for both opening of the door on a hinge as well as complete removal of the door. The access module can be configured for 18-inch or 24-inch lengths. For certain configurations, two access modules may be configured with the unit.

COIL MODULE

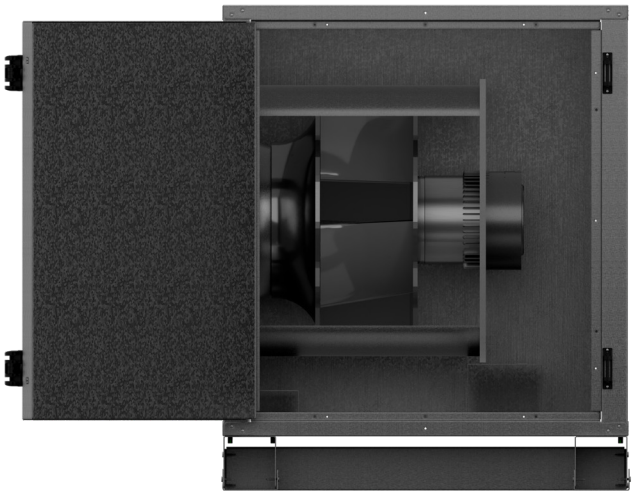
The primary coil module is designed to house the primary coil for the unit while still providing easy service and maintenance access. The coil can be configured with up to 12 rows of coil with a maximum of 8 rows for cooling and 4 rows for heating. The heating coil can be selected for a pre-heat or re-heat configuration. The unit is also designed with an integrated double sloped stainless-steel drain pan in accordance with ASHRAE 62.1. The coil module design allows for the coil to be easily removed with minimal impact to the rest of the unit. A secondary heating only coil module is also available as an option and configurable with up to 4 rows of heating.

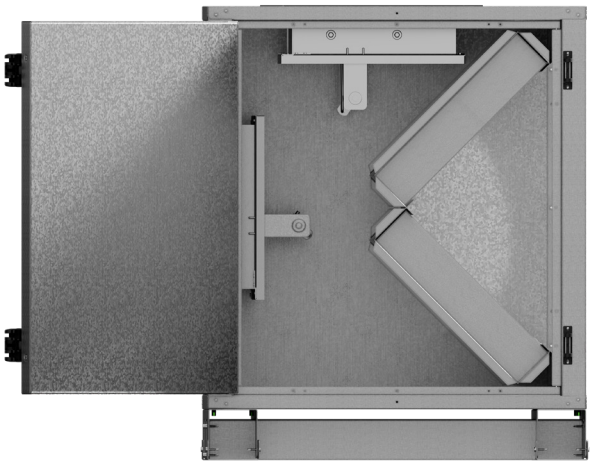


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FAN MODULE

The fan module houses the direct drive fan with backwards-inclined, high-efficiency welded-aluminum impellers and EC motors that include integral speed control. The fan module may be configured to provide up to 6 inches of TSP at nominal airflow. The fan is designed to slide out for quick and easy service, maintenance, or replacement.





MIXING BOX (OPTIONAL)

The mixing box is an optional module for applications where both return air and fresh air are delivered to the unit as part of an economizer strategy. The mixing box includes options for 2-inch and 4-inch MERV 10 or MERV 13 filter options to provide the highest IAQ possible. Low leakage dampers are provided with the mixing box module and may be provided with ON/OFF or 0-10V factory installed actuators.

ELECTRIC HEATERS

The electric heater is designed for reheating applications. The electric heater offers multiple power options to meet the desired wattage based on their heating needs, allowing for efficient energy consumption and customized comfort. The heaters are provided with single stage or SCR control options and can be configured with the unit for single-point connections.



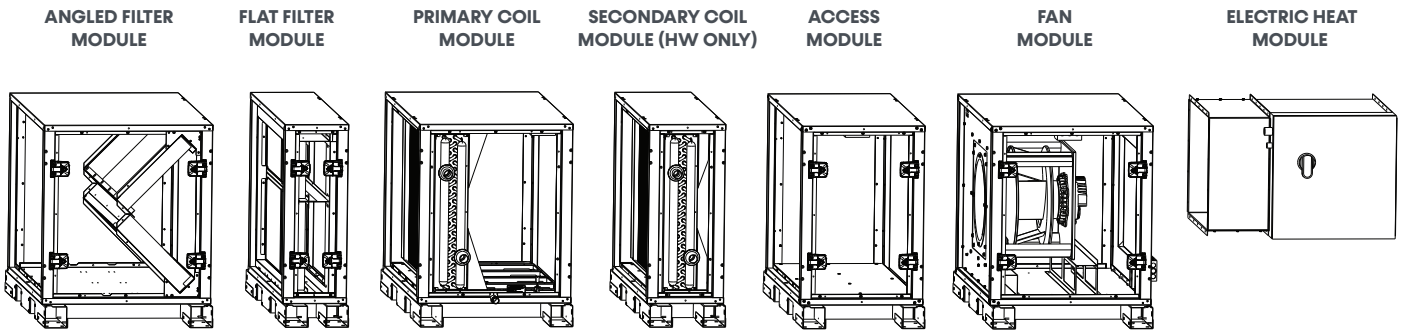
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The AHY unit features modular sections that can be assembled either at the factory or on site, providing flexibility to accommodate various space constraints and application requirements. This design allows for efficient customization and installation, ensuring the unit fits precisely within the intended environment.

For optimal performance, it is recommended to install the AHY unit in a conditioned space using a conventional draw-thru configuration. In this arrangement, the fan is positioned to draw air through the hydronic coil, which is located upstream in the airflow path. This setup promotes effective air distribution and enhances the unit's overall efficiency.

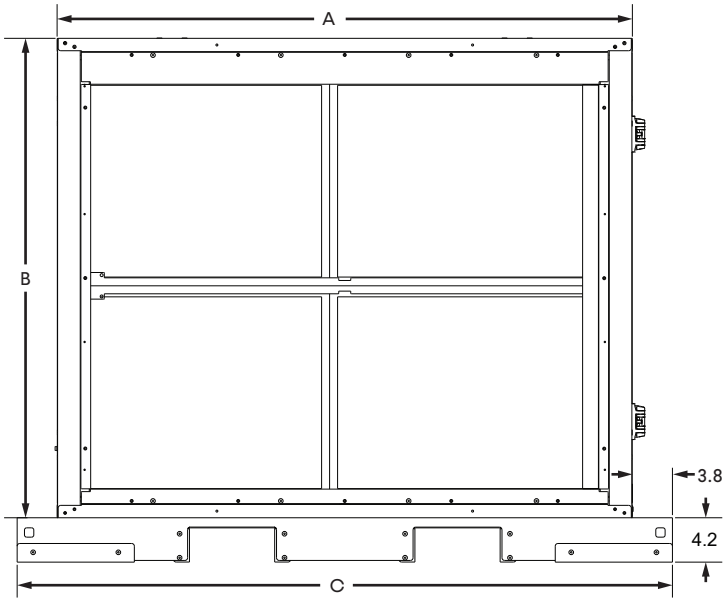
A variety of modules are available for the AHY unit, offering multiple arrangement possibilities to suit different operational needs. The following example illustrates common module configurations for consideration when planning installation.

AHY Modules

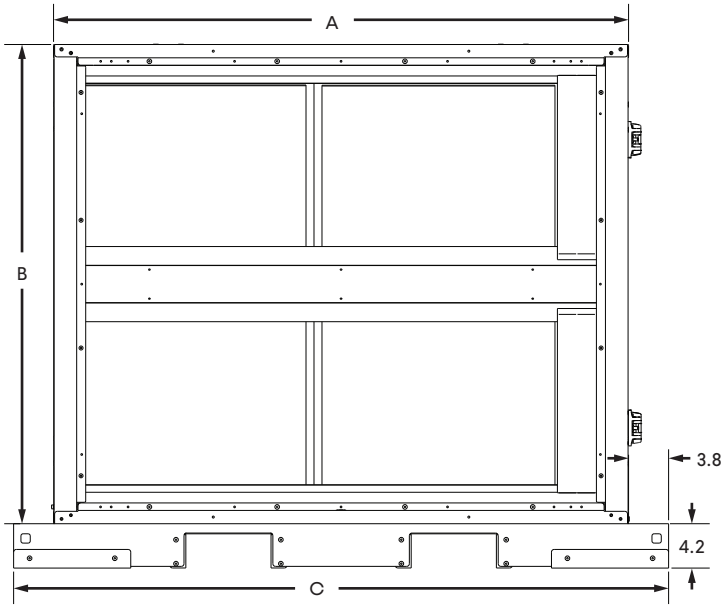


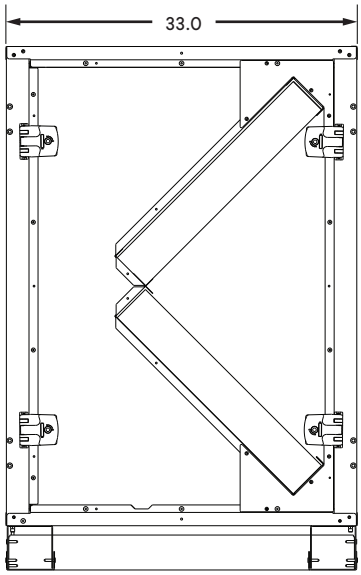
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Flat Filter Module



Angled Filter Module



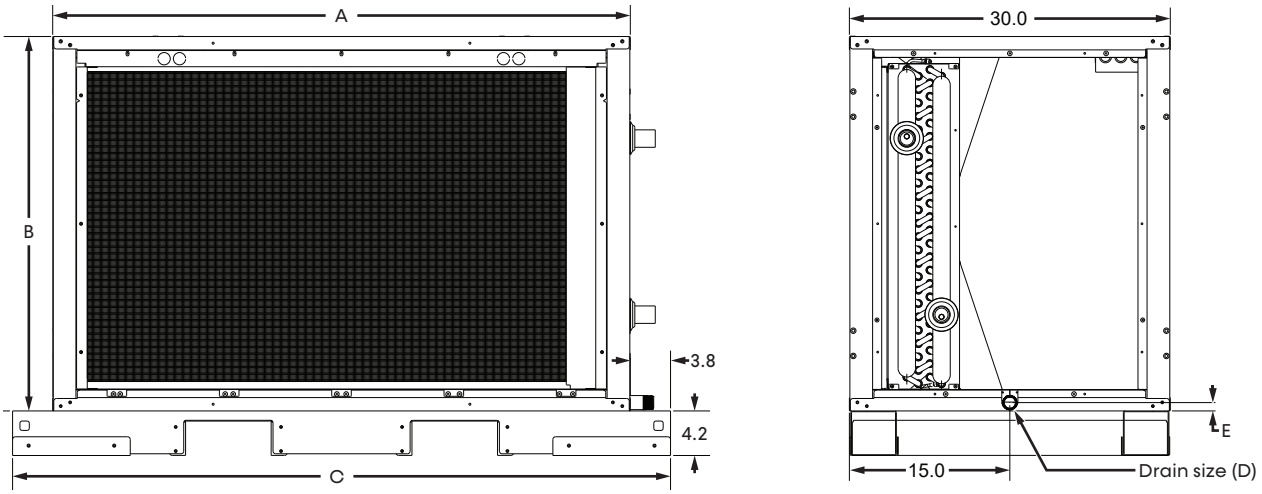


Dimensions and Weights (in) (lbs)

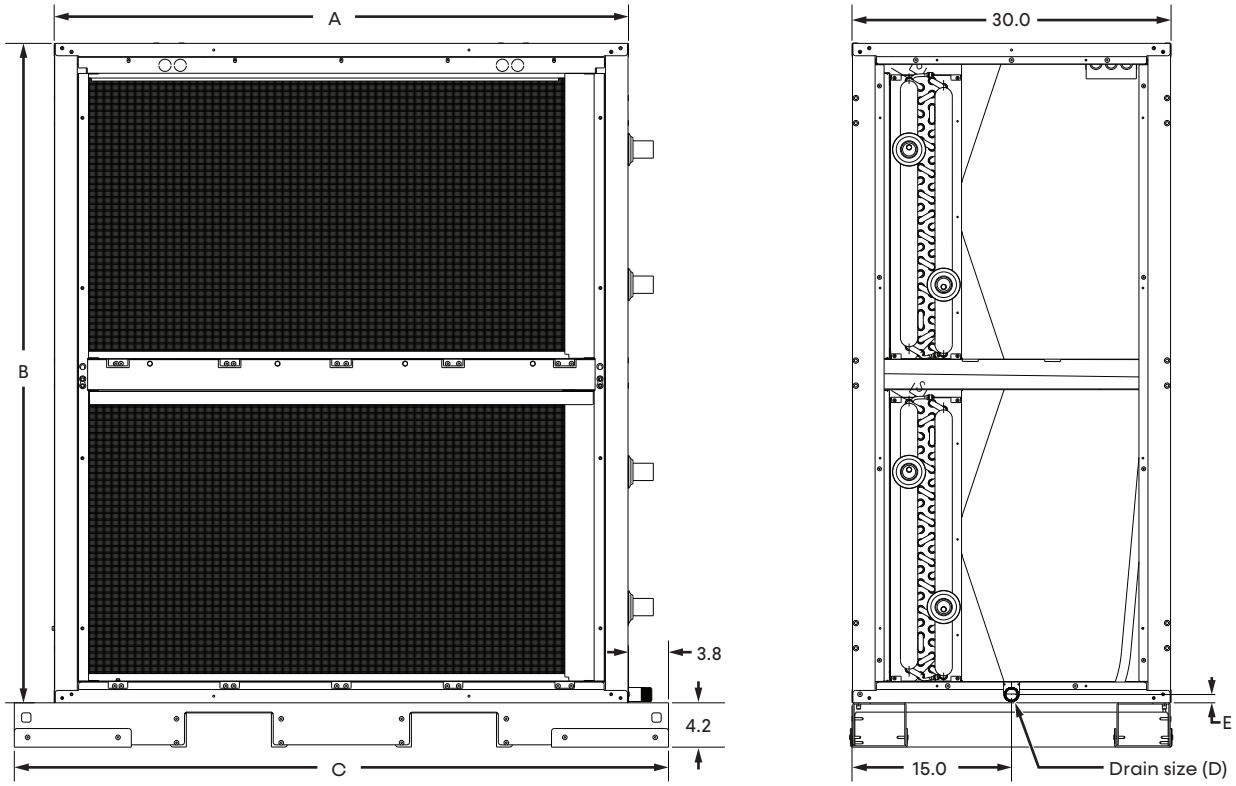
Size	A	B	C	Weight	
				Flat	Angled
AHY03	44	27.5	51.5	130	221
AHY05	54	35.0	61.5	165	264
AHY06	54	45.0	61.5	176	288
AHY07	54	50.0	61.5	184	308
AHY08	54	62.0	61.5	211	336
AHY10	61	66.0	68.5	226	364

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Primary Single Coil Module (AHY03-AHY07)



Primary Dual Coil Module (AHY08-AHY10)



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Dimensions and Weights (in) (lb)

Size	A	B	C	D (MPT)	E	Number of Coils
AHY03	44	27.5	51.5	0.75	0.65	1
AHY05	54	35.0	61.5	1.00	0.78	1
AHY06	54	45.0	61.5	1.00	0.78	1
AHY07	54	50.0	61.5	1.00	0.78	1
AHY08	54	62.0	61.5	1.00	0.78	2
AHY10	61	66.0	68.5	1.00	0.78	2

Primary Coil Module Weight (lbs)

Size	4 Rows		6 Rows		8 Rows	
	Dry	Wet	Dry	Wet	Dry	Wet
AHY03	272.4	291.9	294.7	323.9	315.9	354.9
AHY05	351.0	383.6	387.9	436.8	423.8	489.7
AHY06	411.1	454.6	460.3	525.5	509.7	596.6
AHY07	436.1	485.0	491.4	564.7	546.5	644.3
AHY08	560.2	617.2	624.4	710.0	689.0	803.0
AHY10	632.4	704.4	713.0	821.0	793.0	937.0

- Only a primary coil is included.

Primary Coil Module Weight with 4 Row Primary Coil and Secondary Coils (lbs)

Size	1 Secondary Row		2 Secondary Rows		3 Secondary Rows		4 Secondary Rows	
	Dry	Wet	Dry	Wet	Dry	Wet	Dry	Wet
AHY03	296.5	320.9	302.2	331.4	312.7	346.8	323.1	362.1
AHY05	387.9	428.6	397.2	446.1	414.6	471.6	432.1	497.3
AHY06	459.9	514.3	472.4	537.6	495.6	571.7	518.8	605.8
AHY07	491.9	553.0	505.9	579.2	532.0	617.6	558.2	656.0
AHY08	649.2	720.4	666.4	752.0	696.2	796.0	727.4	841.4
AHY10	734.6	824.6	756.0	864.0	793.2	919.2	832.4	976.4

Primary Coil Module Weight with 6 Row Primary Coil and Secondary Coils (lbs)

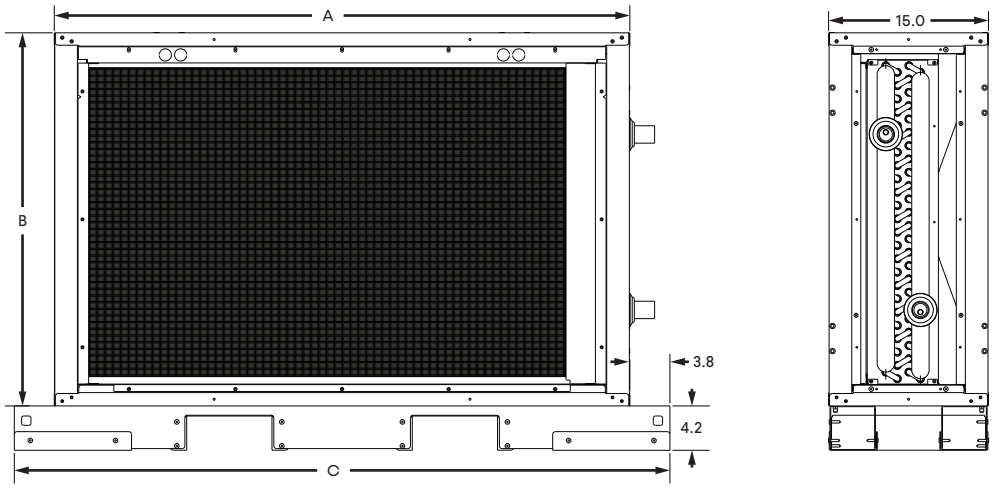
Size	1 Secondary Row		2 Secondary Rows		3 Secondary Rows		4 Secondary Rows	
	Dry	Wet	Dry	Wet	Dry	Wet	Dry	Wet
AHY03	318.8	349.9	324.5	363.4	335.0	378.8	345.4	394.1
AHY05	424.8	481.8	434.1	499.3	451.5	524.8	469.0	550.5
AHY06	509.1	585.2	521.6	608.5	544.8	642.6	568.0	676.7
AHY07	547.2	632.7	561.2	658.9	587.3	697.3	613.5	735.7
AHY08	718.4	818.2	735.6	849.8	765.4	893.8	796.6	939.2
AHY10	820.2	946.2	841.6	985.6	878.8	1,040.8	918.0	1,098.0

Primary Coil Module Weight with 8 Row Primary Coil and Secondary Coils (lbs)

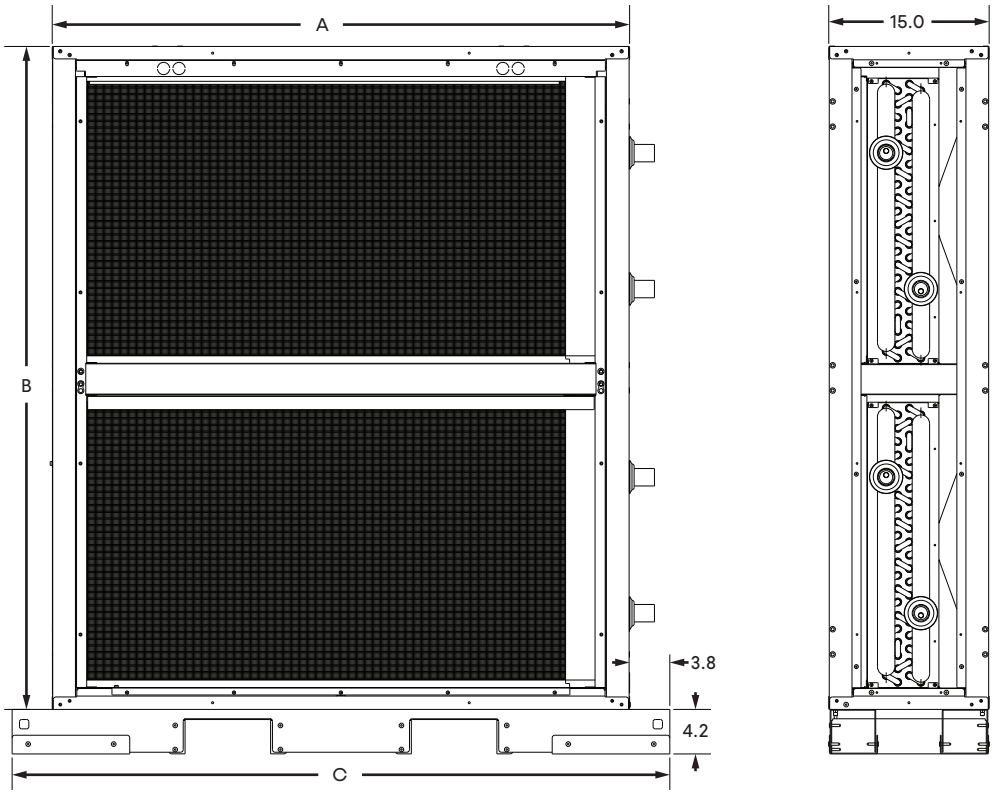
Size	1 Secondary Row		2 Secondary Rows		3 Secondary Rows		4 Secondary Rows	
	Dry	Wet	Dry	Wet	Dry	Wet	Dry	Wet
AHY03	340.0	383.9	345.7	394.4	356.2	409.8	366.6	425.0
AHY05	460.7	534.7	470.0	552.2	487.4	577.7	505.6	603.4
AHY06	558.5	656.3	571.0	679.6	594.2	713.7	629.5	759.9
AHY07	602.3	712.3	616.3	738.5	642.4	776.9	668.6	815.3
AHY08	788.0	916.2	805.2	947.8	835.0	991.8	866.2	1,037.3
AHY10	905.2	1,067.2	926.6	1,106.6	963.8	1,161.8	997.0	1,212.9

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Secondary Single Coil Module (AHY03-AHY07)



Secondary Dual Coil Module (AHY08-AHY10)



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Dimensions and Weights (in) (lb)

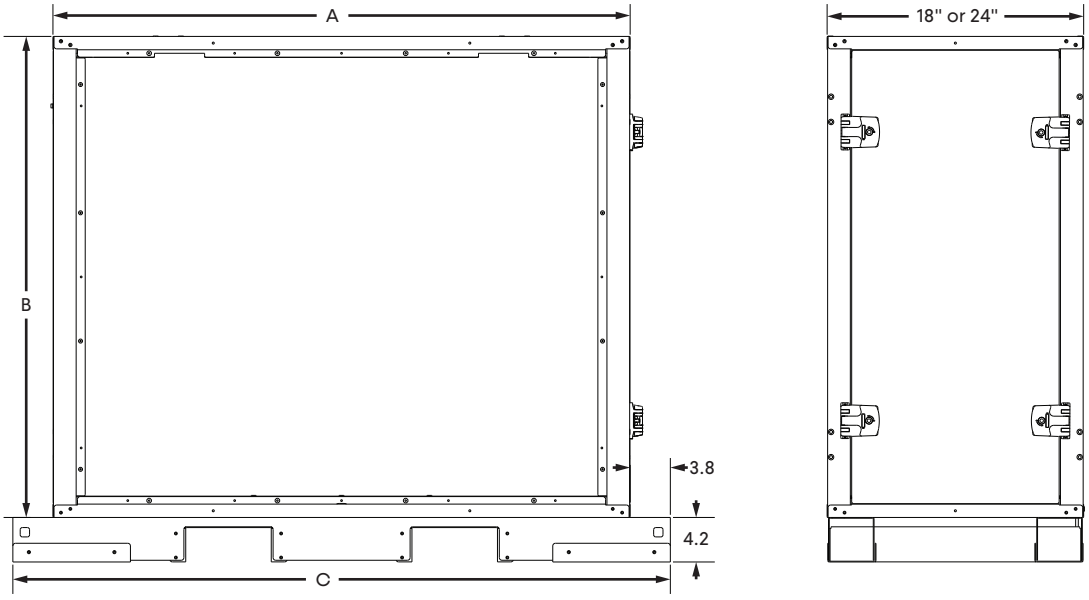
Size	A	B	C	Number of Coils
AHY03	44	27.5	51.5	1
AHY05	54	35.0	61.5	1
AHY06	54	45.0	61.5	1
AHY07	54	50.0	61.5	1
AHY08	54	62.0	61.5	2
AHY10	61	66.0	68.5	2

Secondary Coil Module Weight

Size	1 Row Coil		2 Row Coil		3 Row Coil		4 Row Coil	
	Dry	Wet	Dry	Wet	Dry	Wet	Dry	Wet
AHY03	169.7	174.6	175.4	185.1	185.9	200.5	196.3	215.8
AHY05	205.4	213.5	214.7	231.0	232.1	256.5	249.6	282.2
AHY06	237.9	248.8	250.4	272.1	273.6	306.2	296.8	340.3
AHY07	251.8	264.0	265.8	288.5	291.9	328.6	318.1	367.0
AHY08	318.4	332.7	335.6	364.1	365.4	408.2	396.6	453.6
AHY10	352.1	370.1	373.5	409.5	410.7	464.7	449.9	521.9

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Access Module

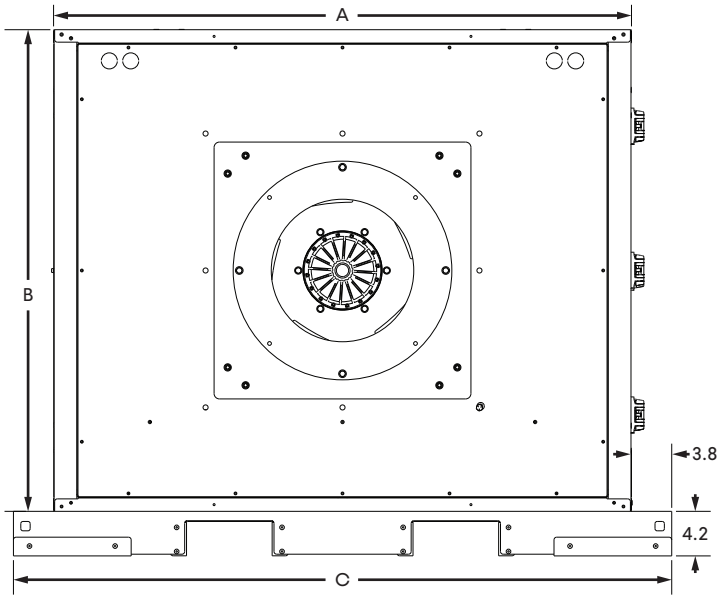


Dimensions and Weights (in) (lb)

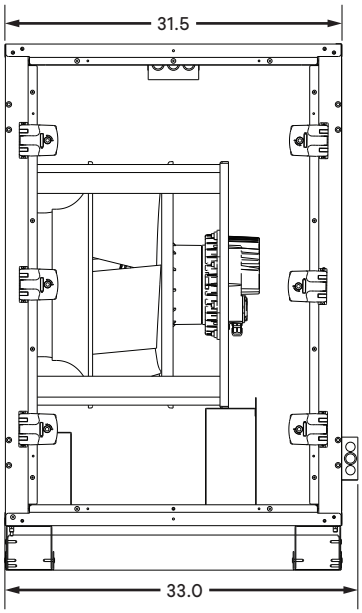
Size	A	B	C	18" Length Weight (lbs)	24" Length Weight (lbs)
AHY03	44.0	27.5	51.5	139.5	182.0
AHY05	54.0	35.0	61.5	168.2	210.0
AHY06	54.0	45.0	61.5	182.1	226.7
AHY07	54.0	50.0	61.5	189.0	235.1
AHY08	54.0	62.0	61.5	206.2	255.1
AHY10	61.0	66.0	68.5	229.2	278.7

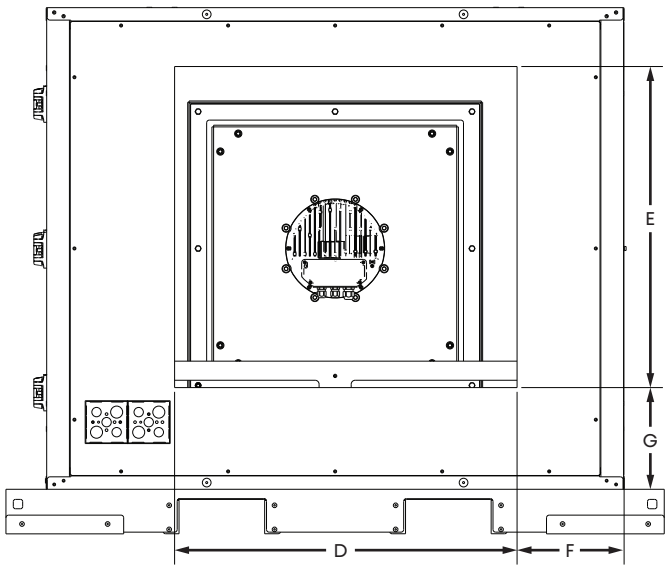
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Fan Modules



FRONT VIEW



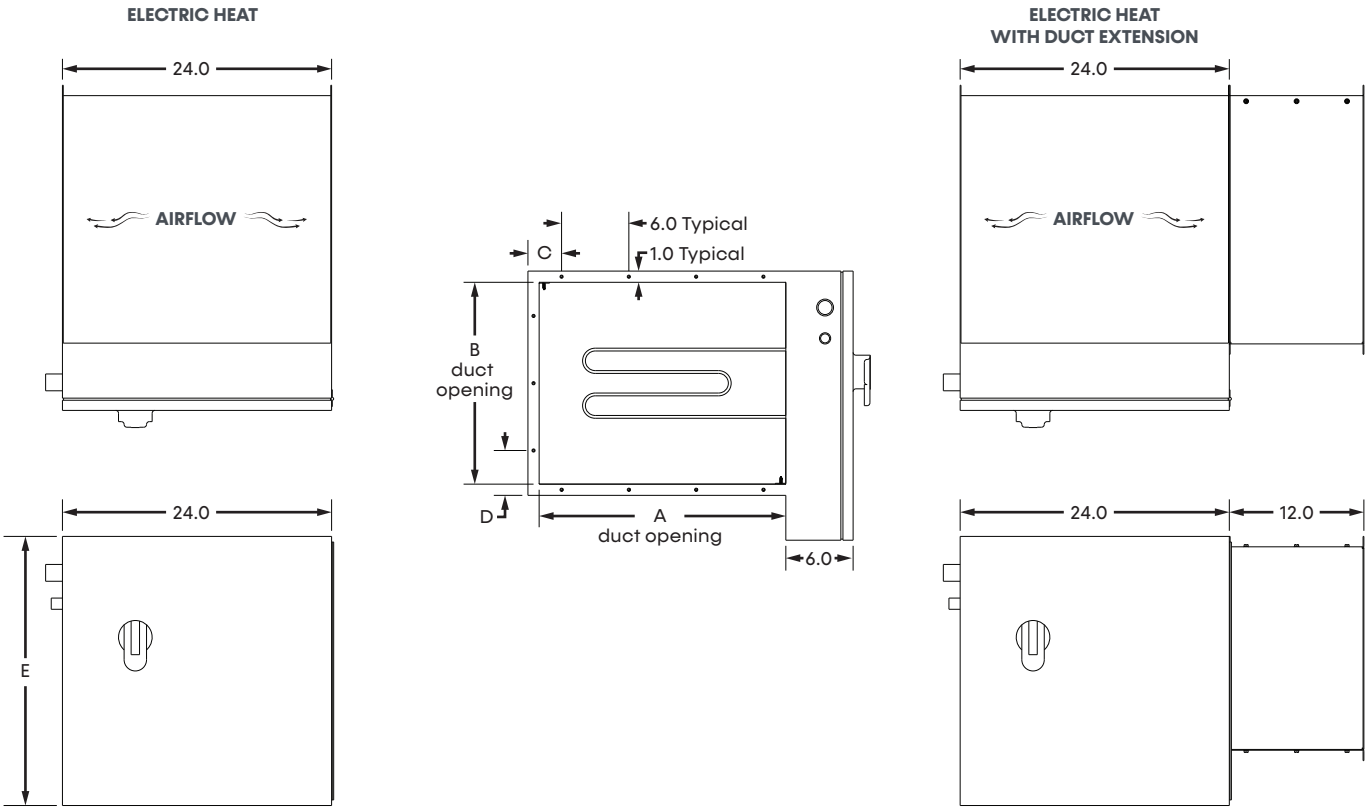


Dimensions and Weights (in) (lb)

Size	A	B	C	D	E	F LH Unit	F RH Unit	G	Number of Fans	Module Weight (lbs)
AHY03	44	27.5	51.5	22.0	18	9.0	13.0	6.25	1	319.0
AHY05	54	35.0	61.5	30.0	22	10.5	13.5	6.50	1	433.0
AHY06	54	45.0	61.5	32.0	30	10.0	12.0	9.50	1	463.6
AHY07	54	50.0	61.5	32.0	30	11.0	11.0	10.00	1	484.6
AHY08	54	62.0	61.5	34.0	38	10.0	10.0	12.00	2	646.9
AHY10	61	66.0	68.5	34.0	38	13.5	13.5	14.00	2	749.6

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Electric Heat Modules

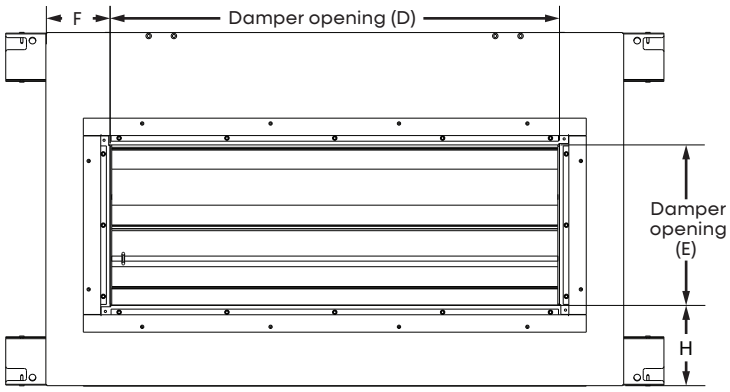


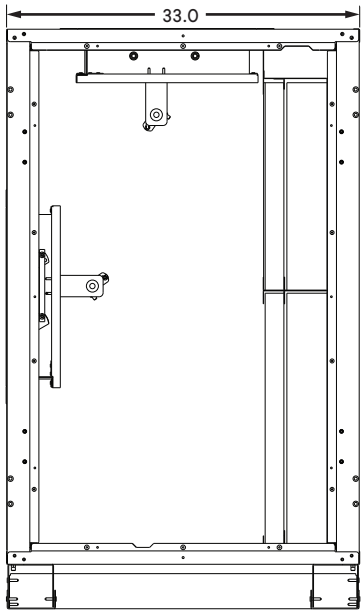
Dimensions and Weights (in) (lb)

Size	A	B	C	D	E	Weight	Weight with Extension
AHY03	22	18	3	4	24	99	122
AHY05	30	22	4	3	24	110	140
AHY06	32	30	5	4	32	137	172
AHY07	32	30	5	4	32	137	172
AHY08	34	38	3	5	40	163	204
AHY10	34	38	3	5	40	163	204

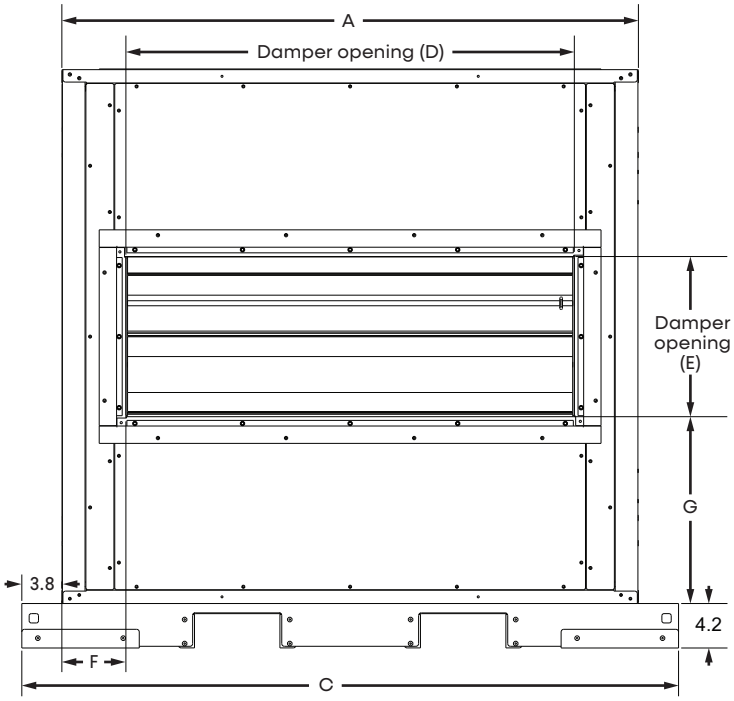
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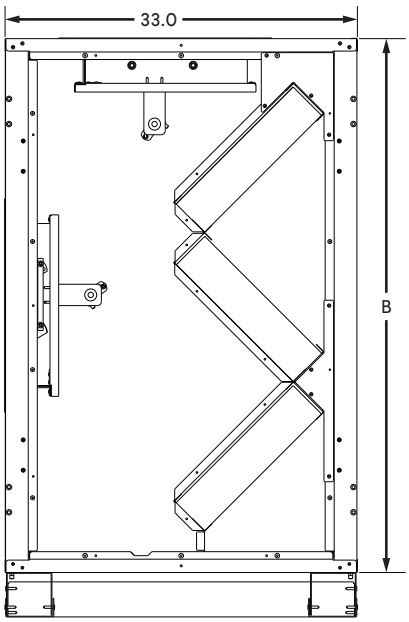
Mixing Box Module with Flat Filters





Mixing Box Module with Angled Filters





Dimensions and Weights (in) (lb)

Size	A	B	C	D	E	F	G	H	Weight
AHY03	44	27.5	51.5	30	12	7	7.75	7.5	280.2
AHY05	54	35	61.5	40	14	7	10.50	7.5	344.0
AHY06	54	45	61.5	42	15	6	15.00	7.5	389.5
AHY07	54	50	61.5	42	15	6	17.50	7.5	419.7
AHY08	54	62	61.5	42	15	6	23.50	7.5	464.6
AHY10	61	66	68.5	49	15	6	25.50	7.5	515.0

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Flat Filter Dimensions

Nominal Airflow (CFM)	3,000	5,000	6,000	7,000	8,000	10,000
Unit Model	AHY03	AHY05	AHY06	AHY07	AHY08	AHY10
Number of Filters						
11.38 x 23.38		2				
17.50 x 23.50		2			6	
19.38 x 23.38	2			2		
19.50 x 19.50						9
19.50 x 24.50			4			
23.38 x 23.38				2		
Area (ft^2)	6.29	9.41	13.27	13.88	17.14	23.77
Nominal velocity (fpm)	477	531	452	504	467	421

- For 2" + 4" filter combinations, the number of filters is doubled.

Angled Filter Dimensions

Nominal Airflow (CFM)	3,000	5,000	6,000	7,000	8,000	10,000
Unit Model	AHY03	AHY05	AHY06	AHY07	AHY08	AHY10
Number of Filters[1]						
15.50 x 19.50	4					
15.50 x 24.50				6		
17.50 x 23.50		4				
19.50 x 24.50						9
23.38 x 23.38			4		6	
Area (ft^2)	8.40	11.42	15.18	15.82	22.78	29.86
Nominal velocity (fpm)	357	438	395	442	351	335

1. The number of filters for 2" or 4" filters.

Filter Pressure Drop

Description	Filter Status	Face Velocity (fpm)										
		150	200	250	300	350	400	450	500	550	600	650
4" MERV 13	Clean	0.04	0.07	0.11	0.16	0.20	0.25	0.29	0.34	0.39	0.43	0.48
	Mid-Life	0.52	0.54	0.56	0.58	0.60	0.63	0.65	0.67	0.70	0.72	0.74
	Dirty	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
2" MERV 13	Clean	0.06	0.11	0.15	0.20	0.24	0.29	0.34	0.39	0.44	0.49	0.54
	Mid-Life	0.53	0.56	0.58	0.60	0.62	0.65	0.67	0.70	0.72	0.75	0.77
	Dirty	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
2" MERV 10	Clean	0.03	0.07	0.10	0.14	0.18	0.22	0.26	0.30	0.34	0.38	0.42
	Mid-Life	0.52	0.54	0.55	0.57	0.59	0.61	0.63	0.65	0.67	0.69	0.71
	Dirty	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
2" Throwaway	Clean	0.03	0.06	0.09	0.13	0.17	0.21	0.25	0.28	0.32	0.36	0.39
	Mid-Life	0.27	0.28	0.30	0.32	0.34	0.36	0.38	0.39	0.41	0.43	0.45
	Dirty	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50

- Standard filters are 2" throwaway
- Usable pressure drop across pleated media not recommended to exceed 1" wg

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Coil Dimensions

Size	Fin Length (in)	Fin Height (in)	Coil Face Area (ft^2)	Quantity
AHY03	36.5	22.5	5.7	1
AHY05	46	30	9.6	1
AHY06	46	40	12.8	1
AHY07	46	45	14.4	1
AHY08	46	26.25	8.4	2
AHY10	53	28.75	10.6	2

- Cooling and heating coils have the same face area.
- For coil connection sizes, refer to the Encompass Selection Program.

Aluminum Fin Dry Coil Weight (lbs)

Size	1 Row	2 Row	3 Row	4 Row	6 Row	8 Row
AHY03	32.3	38.0	48.5	58.9	83.3	106.6
AHY05	47.2	56.5	73.9	91.4	130.9	170.2
AHY06	59.1	71.6	94.8	118.0	169.8	221.9
AHY07	66.1	80.1	106.2	132.4	190.3	248.1
AHY08[1]	42.3	50.9	65.8	81.4	116.1	151.1
AHY10[1]	50.5	61.2	79.8	99.4	142.7	185.8

- All data is for a single coil.

1. This unit includes dual-coil configuration.

Aluminum Fin Wet Coil Weight (lbs)

Size	1 Row	2 Row	3 Row	4 Row	6 Row	8 Row
AHY03	37.1	47.7	63.1	78.3	112.5	145.5
AHY05	55.3	72.8	98.3	124.0	179.8	235.4
AHY06	70.0	93.3	127.4	161.5	235.0	308.8
AHY07	78.3	104.5	142.9	181.3	263.7	345.9
AHY08[1]	49.4	65.2	87.2	109.9	158.9	208.1
AHY10[1]	59.5	79.2	106.8	135.4	196.7	257.7

- All data is for a single coil.

1. This unit includes dual-coil configuration.

Fan Motor

Size	Fan Weight (lbs)	Fan Horsepower (460V/3PH)	Fan Horsepower (230V/3PH)	Fan Horsepower (208V/3PH)
AHY03	76.1	6.0	4.2	3.7
AHY05	94.8	9.0	6.5	5.5
AHY06	123.5	9.9	6.3	5.9
AHY07	123.5	9.9	6.3	5.9
AHY08[1]	94.8	9.0	6.5	5.5
AHY10[1]	94.8	9.0	6.5	5.5

- All data is for a single fan.

1. This unit includes dual-fan configuration.

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Cooling Performance

Unit Size	Nominal Airflow (SCFM)	Number of Rows	Number of Circuits	Cooling Performance			
				Total BTU/h	Sensible BTU/h	GPM	Pressure Drop (ft W.G.)
AHY03	3,000	4	9	94,944	72,457	18.83	6.3
			6	101,427	75,036	20.12	20.0
		6	11	118,008	83,791	23.42	8.0
			9	121,527	85,205	24.10	14.0
		8	14	131,258	89,979	26.03	6.8
			10	136,877	92,370	27.15	17.3
AHY05	5,000	4	12	163,407	121,263	32.41	11.1
			9	170,448	124,111	33.8	25.0
		6	18	202,465	141,987	40.15	8.2
			12	213,353	146,538	42.31	25.6
		8	24	228,111	154,352	45.24	6.3
			16	239,472	159,262	47.49	19.5
AHY06	6,000	4	16	200,962	147,649	39.85	9.8
			12	209,665	151,184	41.58	22.1
		6	24	247,744	172,477	49.13	7.2
			16	261,007	178,062	51.76	22.4
		8	26	285,725	190,433	56.66	9.8
			18	296,222	195,053	58.75	27.0
AHY07	7,000	4	18	232,496	171,421	46.11	10.2
			12	246,122	176,914	48.81	32.0
		6	28	285,494	199,683	56.62	6.8
			18	302,513	206,829	59.99	23.4
		8	36	322,508	217,480	63.96	5.7
			24	338,656	224,495	67.16	17.8
AHY08	8,000	4	22	264,888	195,639	52.53	8.7
			14	282,638	202,777	56.05	31.2
		6	32	328,578	229,200	65.16	7.0
			26	338,410	233,336	67.12	12.6
		8	42	369,628	249,002	73.30	5.6
			24	393,597	259,410	78.06	26.4
AHY10	10,000	4	28	331,347	244,671	65.71	8.1
			18	353,288	253,536	70.06	28.3
		6	34	421,773	291,124	83.64	10.8
			28	431,910	295,389	85.66	18.6
		8	46	472,017	315,584	93.61	7.9
			36	484,973	321,227	96.18	15.6

- All performance based on 12FPI coil and 10°F delta T
- Cooling conditions: EAT = 80/67°F, EWT = 45°F, LWT = 55°F

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Heating Performance

Unit Size	Nominal Airflow (SCFM)	Number of Rows	Number of Circuits	Heating Performance		
				Total BTU/h	GPM	Pressure Drop (ft W.G.)
AHY03	3,000	1	4	104,771	10.68	3.3
		2	9	176,465	17.99	2.1
		3	9	229,407	23.38	4.9
		4	9	274,561	27.98	8.7
AHY05	5,000	1	6	178,912	18.24	4.8
		2	12	299,732	30.55	3.7
		3	12	387,065	39.45	8.4
		4	12	446,619	45.50	14.1
AHY06	6,000	1	8	223,834	22.81	4.4
		2	11	379,483	38.68	9.0
		3	16	474,666	48.38	7.3
		4	16	542,743	55.32	12.2
AHY07	7,000	1	9	257,439	26.24	4.5
		2	18	429,058	43.73	3.4
		3	18	549,713	56.03	7.7
		4	18	630,417	64.25	12.9
AHY08	8,000	1	10	296,893	30.26	4.9
		2	14	504,181	51.39	10.0
		3	30	619,559	63.15	2.8
		4	22	721,308	73.52	11.1
AHY10	10,000	1	22	354,373	36.12	1.0
		2	22	625,464	63.75	5.3
		3	32	782,861	79.79	4.2
		4	28	902,439	91.98	10.3

- All performance based on 12FPI coil and 20°F delta T
- Heating conditions: EAT = 70°F, EWT = 180°F, LWT = 160°F

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AHY03

Number of Rows	Volumetric Airflow (SCFM)											
	2,100	2,225	2,345	2,470	2,590	2,715	2,835	2,960	3,080	3,205	3,325	3,450
1	0.150	0.164	0.179	0.194	0.210	0.227	0.243	0.261	0.279	0.299	0.318	0.338
2	0.150	0.164	0.179	0.194	0.210	0.227	0.243	0.261	0.279	0.299	0.318	0.338
3	0.225	0.246	0.268	0.291	0.315	0.340	0.365	0.392	0.419	0.448	0.476	0.507
4	0.299	0.328	0.357	0.388	0.419	0.453	0.487	0.523	0.559	0.597	0.635	0.676
5	0.374	0.410	0.446	0.485	0.524	0.566	0.608	0.653	0.698	0.746	0.794	0.845
6	0.449	0.492	0.536	0.582	0.629	0.680	0.730	0.784	0.838	0.896	0.953	1.014
7	0.524	0.574	0.625	0.680	0.734	0.793	0.852	0.915	0.978	1.045	1.112	1.183
8	0.599	0.656	0.714	0.777	0.839	0.906	0.973	1.046	1.117	1.194	1.271	1.353
9	0.674	0.738	0.803	0.874	0.944	1.020	1.095	1.176	1.257	1.344	1.429	1.522
10	0.748	0.821	0.893	0.971	1.049	1.133	1.217	1.307	1.397	1.493	1.588	1.691
11	0.823	0.903	0.982	1.068	1.154	1.246	1.338	1.438	1.536	1.642	1.747	1.860
12	0.898	0.985	1.071	1.165	1.258	1.360	1.460	1.568	1.676	1.791	1.906	2.029

AHY05

Number of Rows	Volumetric Airflow (SCFM)											
	3,500	3,705	3,910	4,115	4,320	4,525	4,725	4,930	5,135	5,340	5,545	5,750
1	0.148	0.162	0.176	0.191	0.207	0.224	0.240	0.258	0.276	0.294	0.314	0.333
2	0.148	0.162	0.176	0.191	0.207	0.224	0.240	0.258	0.276	0.294	0.314	0.333
3	0.222	0.243	0.264	0.287	0.311	0.335	0.360	0.386	0.413	0.442	0.470	0.500
4	0.296	0.323	0.353	0.383	0.414	0.447	0.480	0.515	0.551	0.589	0.627	0.667
5	0.369	0.404	0.441	0.479	0.518	0.559	0.600	0.644	0.689	0.736	0.784	0.834
6	0.443	0.485	0.529	0.574	0.622	0.671	0.720	0.773	0.827	0.883	0.941	1.000
7	0.517	0.566	0.617	0.670	0.725	0.782	0.840	0.901	0.965	1.030	1.098	1.167
8	0.591	0.647	0.705	0.766	0.829	0.894	0.960	1.030	1.103	1.177	1.254	1.334
9	0.665	0.728	0.793	0.862	0.932	1.006	1.080	1.159	1.240	1.325	1.411	1.501
10	0.739	0.809	0.882	0.957	1.036	1.118	1.200	1.288	1.378	1.472	1.568	1.667
11	0.813	0.890	0.970	1.053	1.140	1.230	1.320	1.417	1.516	1.619	1.725	1.834
12	0.887	0.970	1.058	1.149	1.243	1.341	1.440	1.545	1.654	1.766	1.882	2.001

AHY06

Number of Rows	Volumetric Airflow (SCFM)											
	4,200	4,445	4,690	4,935	5,180	5,425	5,675	5,920	6,165	6,410	6,655	6,900
1	0.125	0.137	0.149	0.161	0.175	0.188	0.202	0.217	0.232	0.247	0.263	0.279
2	0.125	0.137	0.149	0.161	0.175	0.188	0.202	0.217	0.232	0.247	0.263	0.279
3	0.188	0.205	0.223	0.242	0.262	0.282	0.303	0.325	0.347	0.371	0.394	0.419
4	0.251	0.274	0.298	0.323	0.349	0.376	0.405	0.433	0.463	0.494	0.526	0.559
5	0.313	0.342	0.372	0.404	0.436	0.470	0.506	0.542	0.579	0.618	0.657	0.698
6	0.376	0.411	0.447	0.484	0.524	0.564	0.607	0.650	0.695	0.741	0.789	0.838
7	0.438	0.479	0.521	0.565	0.611	0.658	0.708	0.758	0.811	0.865	0.920	0.977
8	0.501	0.547	0.596	0.646	0.698	0.752	0.809	0.867	0.927	0.988	1.052	1.117
9	0.564	0.616	0.670	0.727	0.785	0.846	0.910	0.975	1.042	1.112	1.183	1.257
10	0.626	0.684	0.745	0.807	0.873	0.940	1.011	1.084	1.158	1.235	1.315	1.396
11	0.689	0.753	0.819	0.888	0.960	1.034	1.112	1.192	1.274	1.359	1.446	1.536
12	0.752	0.821	0.894	0.969	1.047	1.128	1.214	1.300	1.390	1.482	1.577	1.676

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AHY07

Number of Rows	Volumetric Airflow (SCFM)											
	4,900	5,185	5,475	5,760	6,045	6,330	6,620	6,905	7,190	7,475	7,765	8,050
1	0.133	0.145	0.158	0.171	0.185	0.199	0.215	0.230	0.246	0.262	0.279	0.297
2	0.133	0.145	0.158	0.171	0.185	0.199	0.215	0.230	0.246	0.262	0.279	0.297
3	0.199	0.217	0.237	0.257	0.278	0.299	0.322	0.345	0.369	0.393	0.419	0.445
4	0.265	0.290	0.316	0.343	0.370	0.399	0.429	0.460	0.492	0.524	0.559	0.594
5	0.331	0.362	0.395	0.428	0.463	0.499	0.536	0.575	0.615	0.656	0.699	0.742
6	0.398	0.435	0.474	0.514	0.555	0.598	0.644	0.690	0.737	0.787	0.838	0.890
7	0.464	0.507	0.553	0.599	0.648	0.698	0.751	0.805	0.860	0.918	0.978	1.039
8	0.530	0.580	0.632	0.685	0.740	0.798	0.858	0.920	0.983	1.049	1.118	1.187
9	0.597	0.652	0.711	0.771	0.833	0.898	0.966	1.035	1.106	1.180	1.257	1.336
10	0.663	0.724	0.790	0.856	0.926	0.997	1.073	1.150	1.229	1.311	1.397	1.484
11	0.729	0.797	0.869	0.942	1.018	1.097	1.180	1.265	1.352	1.442	1.537	1.632
12	0.795	0.869	0.948	1.028	1.111	1.197	1.288	1.380	1.475	1.573	1.676	1.781

AHY08

Number of Rows	Volumetric Airflow (SCFM)											
	5,600	5,925	6,255	6,580	6,910	7,235	7,565	7,890	8,220	8,545	8,875	9,200
1	0.128	0.140	0.153	0.166	0.179	0.193	0.207	0.222	0.238	0.253	0.270	0.287
2	0.128	0.140	0.153	0.166	0.179	0.193	0.207	0.222	0.238	0.253	0.270	0.287
3	0.193	0.210	0.229	0.248	0.269	0.289	0.311	0.333	0.357	0.380	0.405	0.430
4	0.257	0.280	0.306	0.331	0.358	0.386	0.415	0.444	0.475	0.507	0.540	0.573
5	0.321	0.351	0.382	0.414	0.448	0.482	0.519	0.556	0.594	0.634	0.675	0.717
6	0.385	0.421	0.458	0.497	0.537	0.579	0.622	0.667	0.713	0.760	0.810	0.860
7	0.449	0.491	0.535	0.580	0.627	0.675	0.726	0.778	0.832	0.887	0.945	1.004
8	0.513	0.561	0.611	0.662	0.716	0.772	0.830	0.889	0.951	1.014	1.080	1.147
9	0.578	0.631	0.687	0.745	0.806	0.868	0.933	1.000	1.070	1.141	1.215	1.290
10	0.642	0.701	0.764	0.828	0.896	0.965	1.037	1.111	1.189	1.267	1.350	1.434
11	0.706	0.771	0.840	0.911	0.985	1.061	1.141	1.222	1.308	1.394	1.485	1.577
12	0.770	0.841	0.917	0.994	1.075	1.158	1.245	1.333	1.426	1.521	1.620	1.720

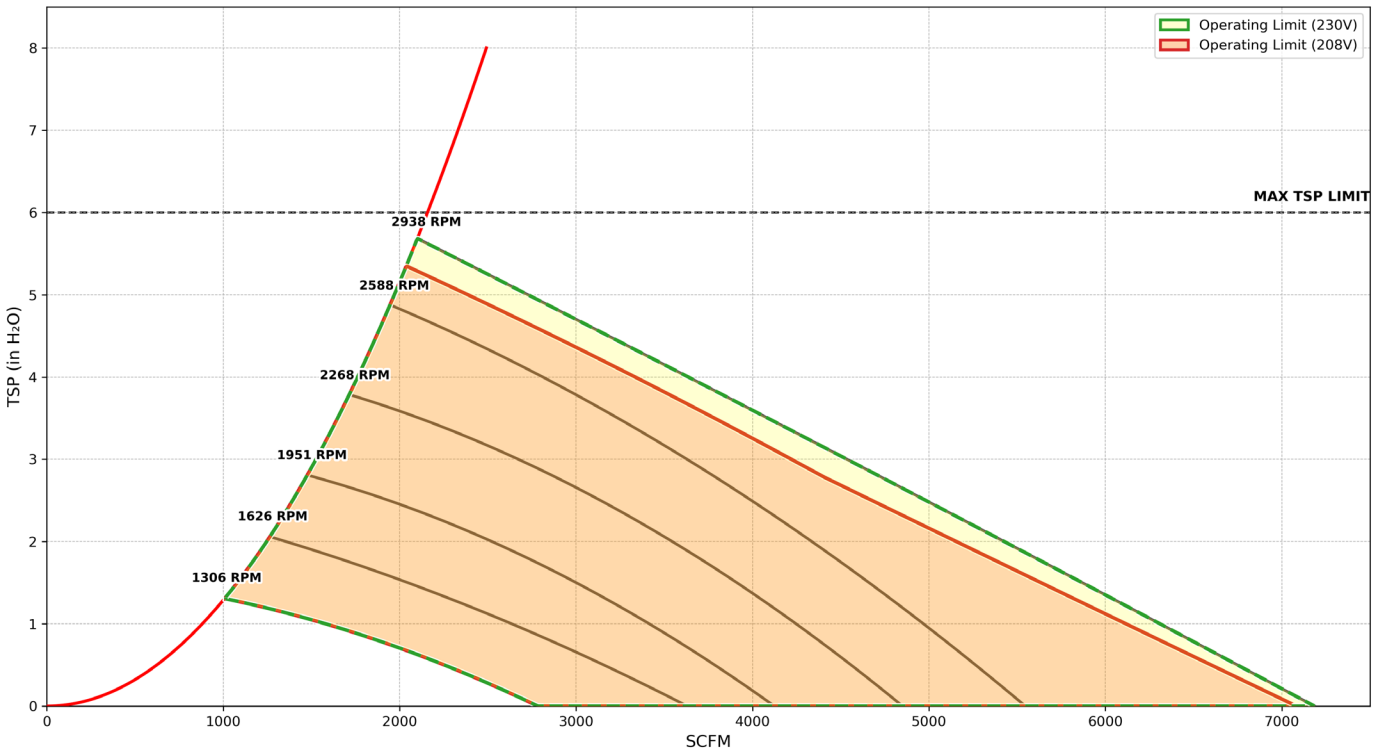
AHY10

Number of Rows	Volumetric Airflow (SCFM)											
	7,000	7,410	7,820	8,225	8,635	9,045	9,455	9,865	10,275	10,680	11,090	11,500
1	0.126	0.138	0.151	0.163	0.176	0.190	0.204	0.219	0.234	0.249	0.266	0.282
2	0.126	0.138	0.151	0.163	0.176	0.190	0.204	0.219	0.234	0.249	0.266	0.282
3	0.190	0.207	0.226	0.245	0.264	0.285	0.306	0.328	0.351	0.374	0.398	0.423
4	0.253	0.277	0.301	0.326	0.353	0.380	0.408	0.438	0.468	0.499	0.531	0.564
5	0.316	0.346	0.376	0.408	0.441	0.475	0.511	0.547	0.585	0.624	0.664	0.705
6	0.379	0.415	0.452	0.489	0.529	0.570	0.613	0.657	0.702	0.748	0.797	0.847
7	0.443	0.484	0.527	0.571	0.617	0.665	0.715	0.766	0.819	0.873	0.930	0.988
8	0.506	0.553	0.602	0.652	0.705	0.760	0.817	0.876	0.936	0.998	1.062	1.129
9	0.569	0.622	0.677	0.734	0.793	0.855	0.919	0.985	1.053	1.123	1.195	1.270
10	0.632	0.691	0.753	0.816	0.882	0.950	1.021	1.094	1.170	1.247	1.328	1.411
11	0.696	0.760	0.828	0.897	0.970	1.045	1.123	1.204	1.287	1.372	1.461	1.552
12	0.759	0.830	0.903	0.979	1.058	1.140	1.225	1.313	1.404	1.497	1.594	1.693

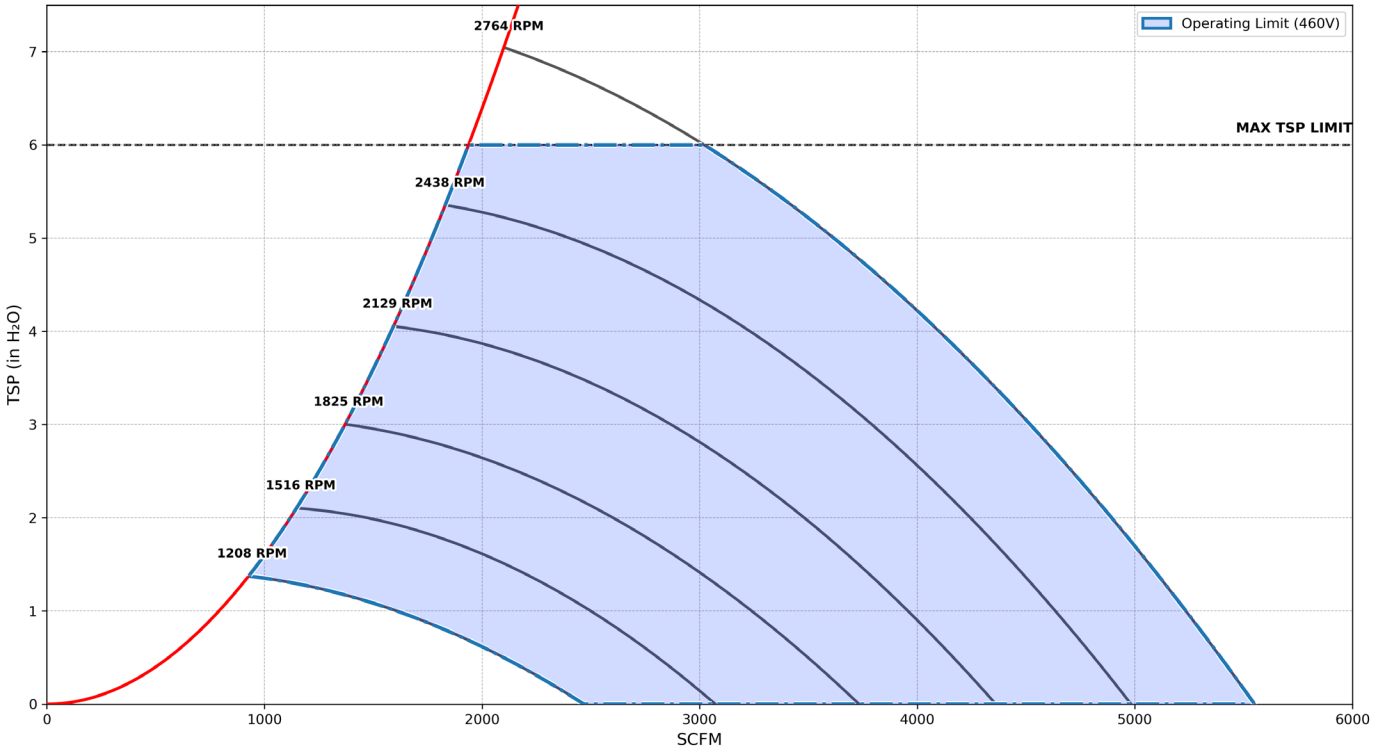
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NOTE: Averaged RPM values are shown. Operating conditions may differ slightly.

AHY03 with Voltage-Based Operating Limits (208/230V)

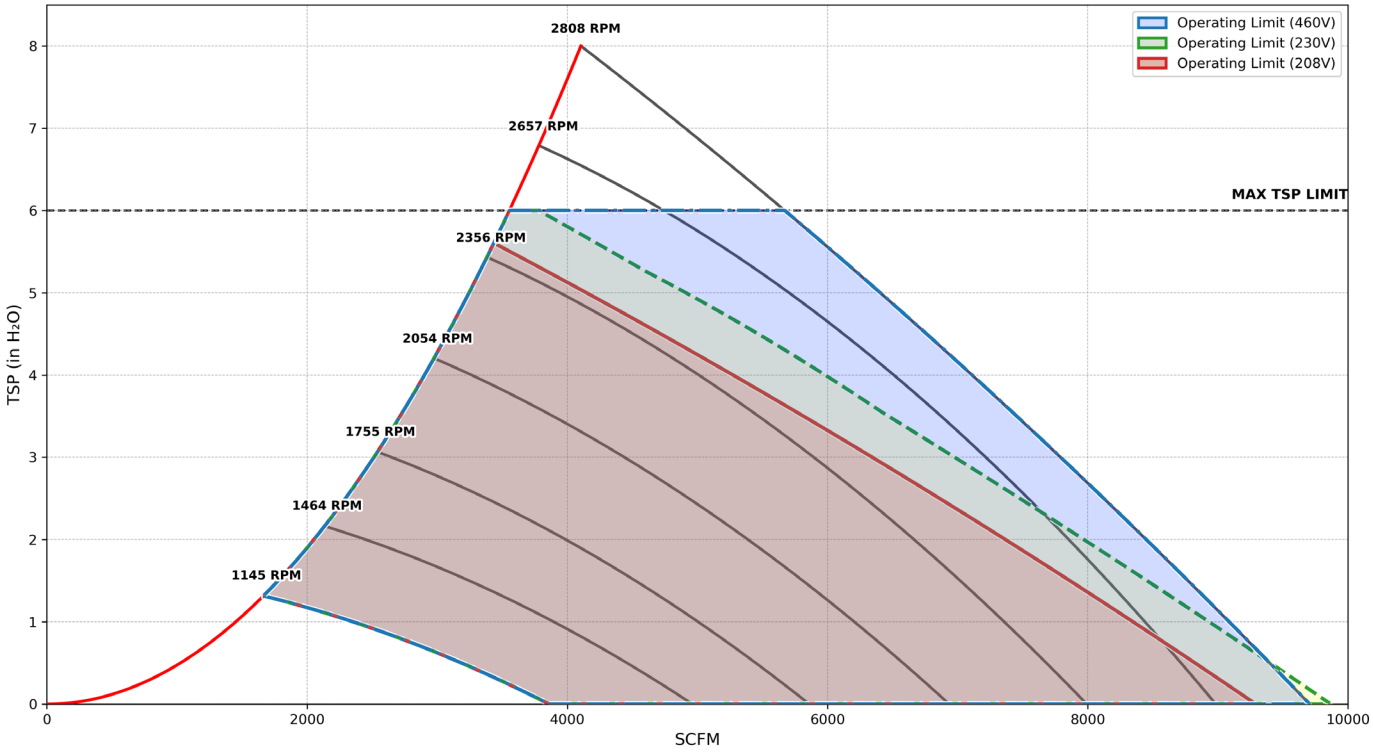


AHY03 with Voltage-Based Operating Limits (460V)

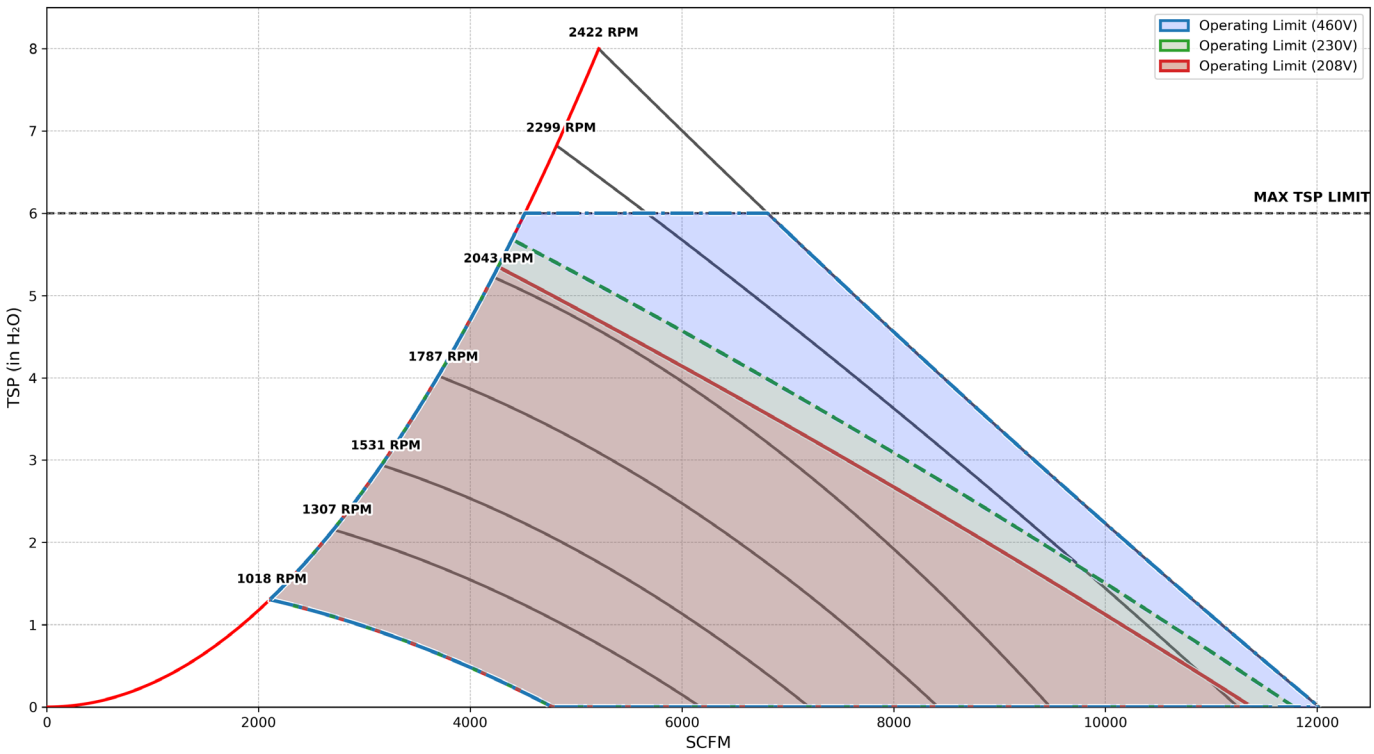


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AHY05 with Voltage-Based Operating Limits (208/230/460V)

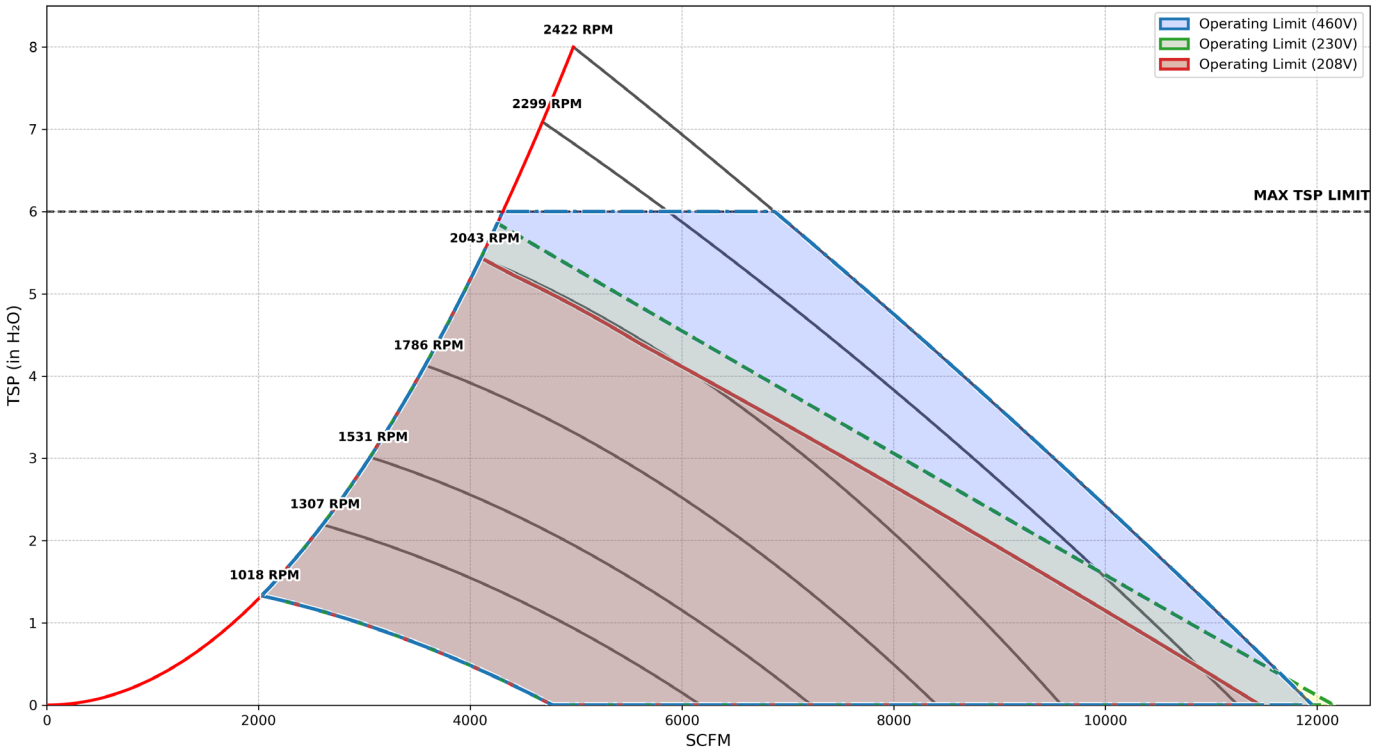


AHY06 with Voltage-Based Operating Limits (208/230/460V)

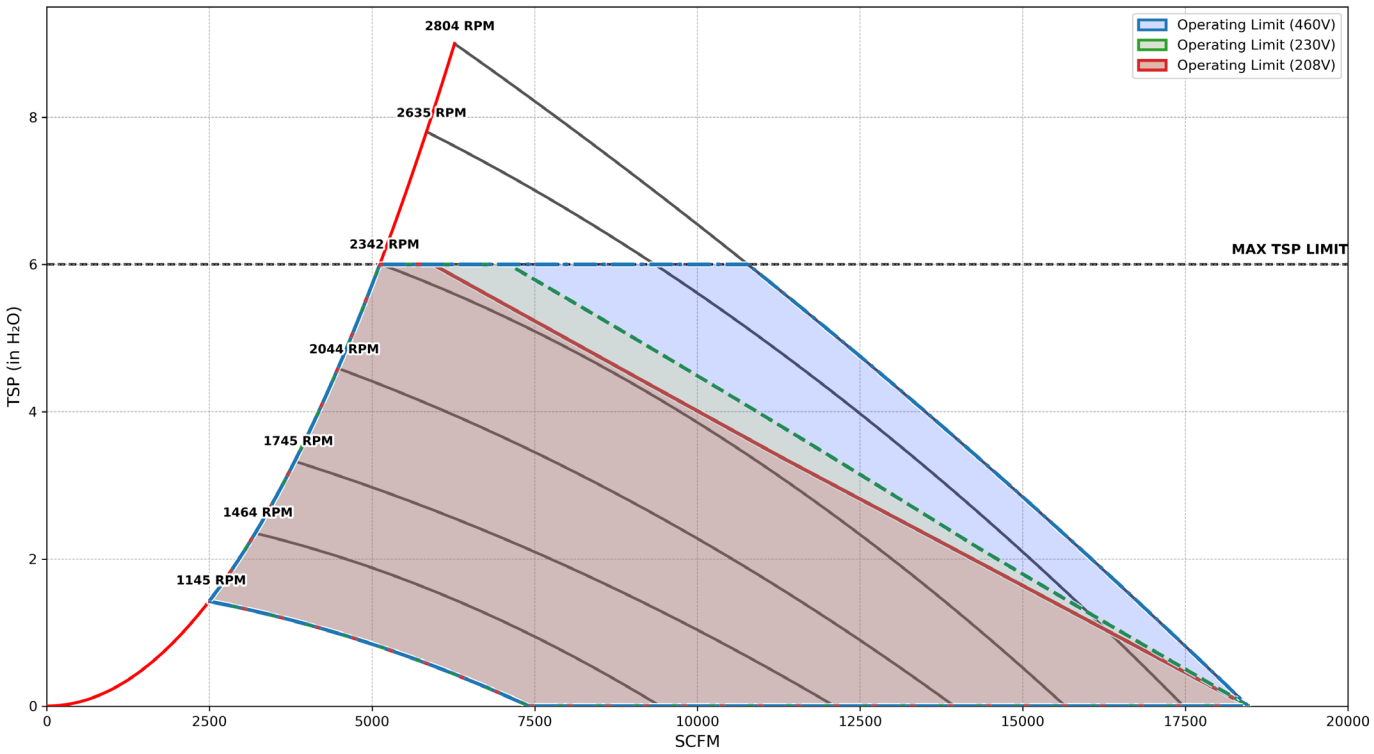


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AHY07 with Voltage-Based Operating Limits (208/230/460V)

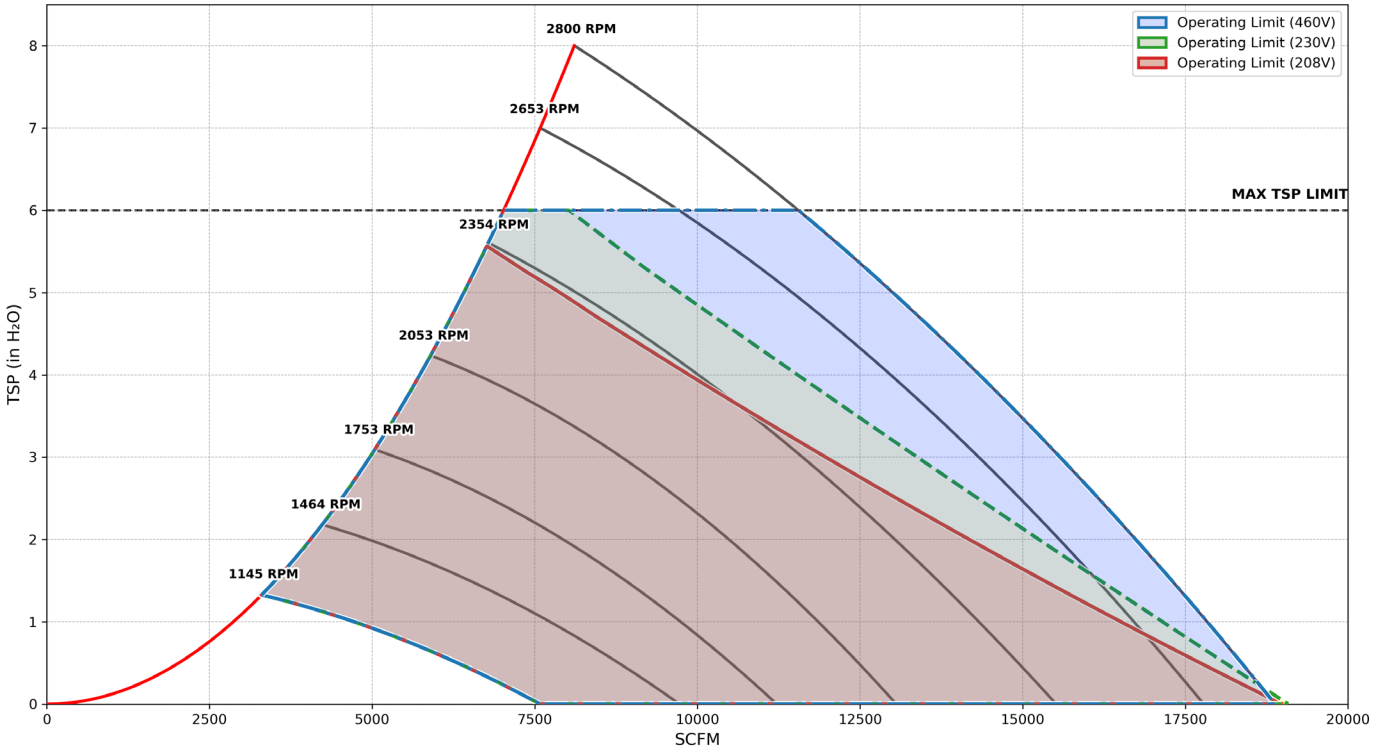


AHY08 with Voltage-Based Operating Limits (208/230/460V)



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AHY10 with Voltage-Based Operating Limits (208/230/460V)



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Electric Heater kW Options

Size	Voltage/ Phase	Power (kW)													
AHY03	208/3	3	5	7	9	11	13	15	17						
	240/3	3	5	7	9	11	13	15	17	19					
	480/3	3	5	7	9	11	13	15	17	19	22	25	28	32	38
AHY05 AHY06 AHY07	208/3	3	7	13	17										
	240/3	3	7	13	17										
	480/3	3	7	13	17	22	25	28	32	38					
AHY08 AHY10	208/3	6	13	17											
	240/3	6	13	17	19										
	480/3	6	13	17	19	25	32	38							

Electrical Data

Voltage/Phase	Current Draw (Amps)														
	3kW	5kW	6kW	7kW	9kW	11kW	13kW	15kW	17kW	19kW	22kW	25kW	28kW	32kW	38kW
208/3	8.3	13.9	16.7	19.4	25.0	30.5	36.1	41.6	47.2						
240/3	7.2	12.0	14.4	16.8	21.7	26.5	31.3	36.1	40.9	45.7					
480/3	3.6	6.0	7.2	8.4	10.8	13.2	15.6	18.0	20.5	22.9	26.5	30.1	33.7	38.5	45.7

Minimum Allowable Airflow (CFM)

Size	Voltage/ Phase	kW														
		3	5	6	7	9	11	13	15	17	19	22	25	28	32	38
AHY03	208/3	264	385		503	622	740	828	897	968						
	240/3	264	385		503	622	740	828	897	968	1,037					
	480/3	264	385		503	622	740	828	897	968	1,037	1,141	1,249	1,353	1,474	1,650
AHY05	208/3	256			559			916		1,154						
	240/3	256			559			916		1,154						
	480/3	256			559			916		1,154		1,392	1,498	1,598	1,740	1,951
AHY06	208/3	260			627			980		1,221						
	240/3	260			627			980		1,221						
	480/3	260			627			980		1,221		1,521	1,701	1,881	2,021	2,234
AHY07	208/3	260			627			980		1,221						
	240/3	260			627			980		1,221						
	480/3	260			627			980		1,221		1,521	1,767	1,881	2,021	2,234
AHY08	208/3			511				1,058		1,292						
	240/3			511				1,058		1,292	1,417					
	480/3			511				1,058		1,292	1,417		1,767		2,189	2,547
AHY10	208/3			511				1,058		1,292						
	240/3			511				1,058		1,292	1,417					
	480/3			511				1,058		1,292	1,417		1,767		2,189	2,547

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Sound Performance Data

Unit Size	Nominal Airflow (SCFM)	Setup	TSP (in.w.c.)	RPM	Total Sound Power A-weighted Lw_A (dBA)	Sound Power Level Lw (dB, reference one picowatt)							
						63Hz	125Hz	250Hz	500Hz	1,000Hz	2,000Hz	4,000Hz	8,000Hz
AHY03 460V[3]	3,000	Free inlet + Casing Radiated	6.02	2,765	90	82	81	96	88	81	77	72	68
			5.11	2,602	87	81	80	92	83	80	75	70	66
			3.96	2,362	85	80	93	89	80	78	75	71	66
			3.10	2,207	84	79	78	90	79	77	73	67	61
			2.04	1,978	82	75	76	89	77	72	67	63	57
		Ducted Discharge	6.02	2,765	95	84	78	101	91	88	83	77	72
			5.11	2,602	92	81	78	93	90	86	82	76	70
			3.96	2,362	89	81	76	91	88	84	80	74	68
			3.10	2,207	88	79	76	90	86	83	80	72	66
			2.04	1,978	86	77	75	86	85	81	77	70	65
AHY03 230V-208V[3]	3,000	Free inlet + Casing Radiated	4.70	2,938	85	81	81	90	82	77	74	71	67
			4.00	2,653	86	81	81	92	81	76	74	70	66
			2.96	2,348	84	79	80	90	81	74	70	67	62
			2.03	2,110	79	74	87	83	75	74	67	64	58
		Ducted Discharge	4.70	2,938	87	81	78	88	86	81	76	73	70
			4.00	2,653	87	79	78	89	85	81	76	73	69
			2.96	2,348	85	76	78	86	86	78	73	70	65
			2.03	2,110	83	74	83	85	81	78	72	68	62
AHY05	5,000	Free inlet + Casing Radiated	6.01	2,696	86	88	81	89	84	78	76	75	73
			4.91	2,507	86	85	81	91	82	76	74	72	69
			4.00	2,357	85	84	80	90	81	75	72	70	66
			2.91	2,130	80	81	84	83	79	72	70	68	63
			2.01	1,980	76	78	83	78	73	69	67	65	58
		Ducted Discharge	6.04	2,696	93	88	87	95	91	88	83	77	75
			4.92	2,507	91	86	86	92	89	85	80	75	72
			4.00	2,357	89	84	85	91	88	84	78	73	71
			2.90	2,130	87	83	90	89	86	81	76	71	68
			2.02	1,980	86	81	86	86	84	81	76	71	67
AHY06	6,000	Free inlet + Casing Radiated	5.99	2,330	82	80	81	81	79	76	73	74	73
			5.13	2,235	81	81	81	81	79	74	72	72	69
			3.97	2,043	79	79	82	81	76	72	70	68	65
			2.90	1,851	76	78	81	76	73	71	68	65	62
			2.05	1,723	77	77	83	77	72	71	69	65	60
		Ducted Discharge	5.99	2,330	86	78	79	82	84	81	78	76	73
			5.13	2,235	85	78	79	81	82	80	77	74	72
			3.97	2,043	83	77	81	81	80	78	75	73	72
			2.90	1,851	81	75	79	79	77	76	73	72	70
			2.05	1,723	81	74	80	79	77	75	73	73	71

1. All sound performance based on tests conducted in accordance with AHRI 220-2022 (method) and AHRI 260-2024 (setup).
2. Units are tested with all standard basic modules (flat filter module with 2-inch MERV 10 filter, primary cooling coil module, 24-inch Access module, and fan module).
3. Sound data for AHY03 differs between 460V and 230/208V models due to the use of different fan assemblies.

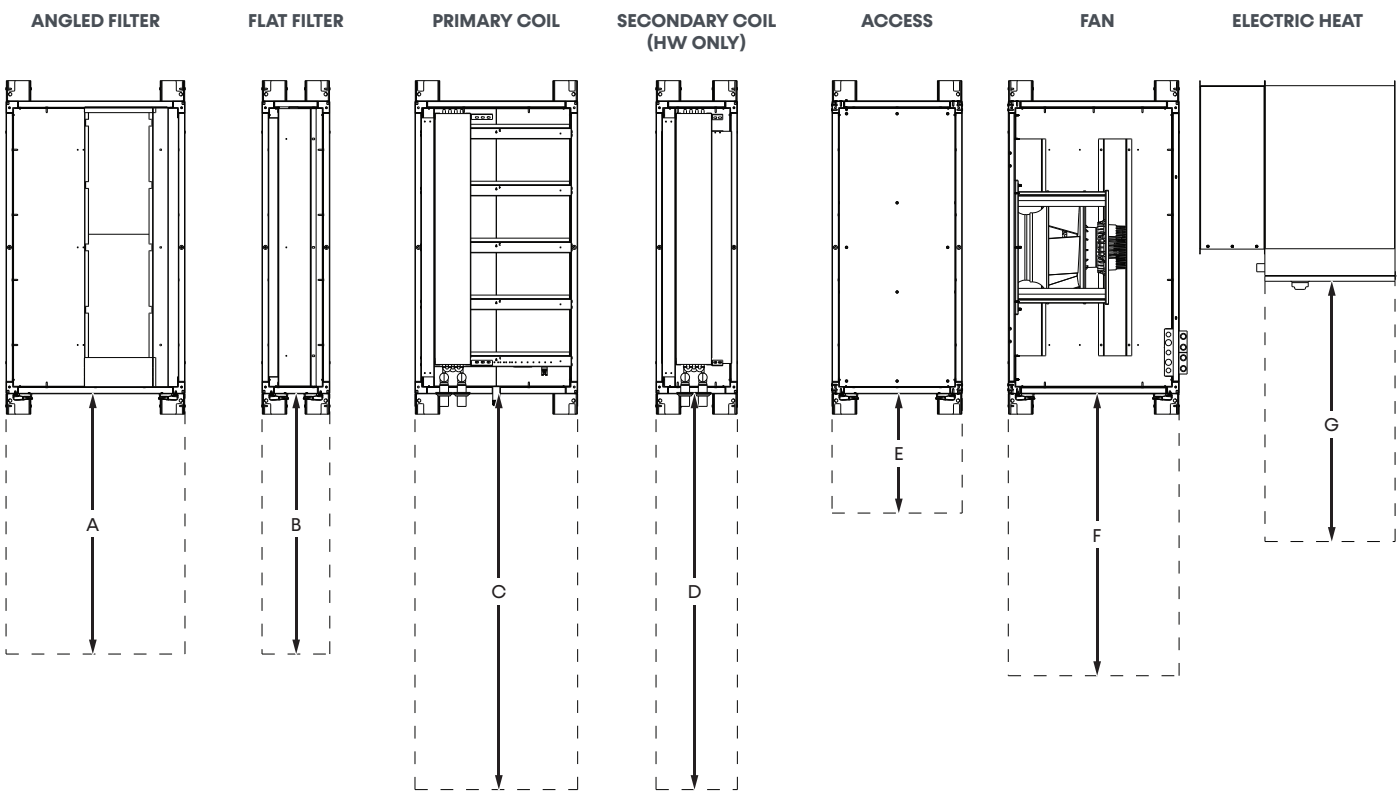
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Sound Performance Data

Unit Size	Nominal Airflow (SCFM)	Setup	TSP (in.w.c.)	RPM	Total Sound Power A-weighted Lw_A (dBA)	Sound Power Level Lw (dB, reference one picowatt)							
						63Hz	125Hz	250Hz	500Hz	1,000Hz	2,000Hz	4,000Hz	8,000Hz
AHY07	7,000	Free inlet + Casing Radiated	5.86	2,423	83	81	80	82	80	76	73	74	72
			5.07	2,331	82	81	80	81	80	76	73	73	69
			4.00	2,172	80	80	81	80	79	74	71	68	64
			3.08	2,044	79	79	82	81	77	73	69	67	63
			1.99	1,850	77	77	82	78	74	72	68	66	61
		Ducted Discharge	5.86	2,423	86	79	80	82	82	81	78	76	74
			5.07	2,331	86	79	79	82	82	82	78	76	74
			4.00	2,172	85	78	79	82	82	80	76	75	73
			3.08	2,044	84	77	81	82	81	79	75	75	72
			1.99	1,850	83	76	80	80	79	78	74	74	72
AHY08	8,000	Free inlet + Casing Radiated	6.18	2,562	90	86	86	94	86	81	79	79	78
			4.91	2,343	88	85	86	93	83	80	77	76	72
			4.01	2,194	88	83	86	93	84	81	77	75	70
			2.92	1,970	85	82	93	87	81	78	75	71	66
		Ducted Discharge	6.18	2,562	96	95	87	99	93	91	86	82	78
			4.91	2,343	93	92	86	95	91	89	83	79	75
			4.01	2,194	92	90	85	93	90	87	82	78	74
			2.92	1,970	89	86	85	89	86	84	81	75	71
AHY10	10,000	Free inlet + Casing Radiated	6.05	2,720	93	94	86	97	87	87	83	82	79
			5.09	2,562	91	85	85	95	86	84	81	80	75
			4.06	2,343	89	83	85	93	86	83	80	77	73
			3.63	2,194	88	82	88	92	84	81	78	75	70
		Ducted Discharge	6.05	2,720	99	95	89	101	95	94	89	84	81
			5.09	2,562	97	93	87	99	94	92	86	82	79
			4.06	2,343	94	90	86	95	92	89	83	79	76
			3.63	2,194	91	87	85	91	90	86	81	78	74

1. All sound performance based on tests conducted in accordance with AHRI 220-2022 (method) and AHRI 260-2024 (setup).
2. Units are tested with all standard basic modules (flat filter module with 2-inch MERV 10 filter, primary cooling coil module, 24-inch Access module, and fan module).
3. Sound data for AHY03 differs between 460V and 230/208V models due to the use of different fan assemblies.

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Minimum Recommended Module Clearance (inches)

Size	Angled Filter Module A	Flat Filter Module B	Primary Coil Module C	Secondary Module (HW Only) D	Access Module E	Fan Module F	Electric Heat Control Box G
AHY03	40	40	64	64	22	49	48
AHY05	50	50	73	73	22	52	48
AHY06	50	50	73	73	22	55	48
AHY07	50	50	73	73	22	55	48
AHY08	50	50	73	73	22	52	48
AHY10	60	60	80	80	22	52	48

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SUMMARY

This section includes modular air handling units and accessories.

SYSTEM DESCRIPTION

- AHY Indoor modular air handling unit.
- Indoor mounted air handling unit designed to provide air to a conditioned space as required to meet specified performance requirements for ventilation, heating, cooling, filtration, and distribution. Unit shall be assembled for draw-thru application and shall be arranged to discharge conditioned air horizontally as shown on the contract drawings.

QUALITY ASSURANCE

- Air handling unit shall be constructed in accordance with UL60335-2-40 standards, comply with NEMA standards and shall carry the cETL label, display certification symbol on units of certified models. Installation of ancillary electrical components shall comply with NEC.
- Insulation shall comply with NFPA 90A requirements for flame spread and smoke generation
- IEC is certified as an ISO 9001:2015 quality management system and ISO 14001:2015 environmental management system organization.

DELIVERY, STORAGE, AND HANDLING

- Unit shall be stored and handled in accordance with the unit manufacturers instructions

GENERAL

MANUFACTURER

- Basis of design shall be modular air handling units by International Environmental Corporation.

CONFIGURATION

- General
  - A factory assembled AHY air handling unit that is modular in design and construction. Unit may consist of a filter module, fan module, chilled water coil module, heating coil module, combination filter/mixing box (flat or V-bank arrangement) module, and access module as indicated on the equipment schedules.
  - All panels shall be made of 18-gauge galvanized steel on the exterior and 20-gauge galvanized steel on the interior.
  - All unit panels shall be 1-inch solid, double-wall construction (including corner posts, mullions and access panels/doors) and shall be removable.
  - The casing shall be able to withstand up to 6 inches w.g positive or negative static pressure and have a thermal insulation of R-6.5.
  - Foam injected insulation conforms to;
    - ASTM C1071 (including C665)
    - UL 181 for erosion
    - 25/50 rating for flame spread/smoke developed per ASTM E-84, UL723 and NFPA 90A
  - The unit floor shall be of sufficient strength to support a 300-lb load during maintenance activities and shall deflect no more than 0.005 inch per inch span when sitting on a support structure.
  - Access doors shall allow for service, inspection and maintenance of the filter, fan, and coils.
  - Base rail shall be a maximum of 4 inches in height and constructed of galvanized steel, structurally capable of supporting unit on floor or by ceiling suspension.
  - Base rails shall be designed with rigging that would allow units to be transported or lifted.

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MATERIALS

- Coils
  - All coils shall have ½-inch copper tubes, [manual] [automatic] air vent(s), [drain valve], and [aluminum fins, galvanized end sheet] [aluminum fins, stainless steel end sheet], 12 fins per inch spacing. Coils shall be mechanically bonded to copper tubes.
  - All coils shall be provided with headers of seamless copper tubing with intruded tube holes, to permit expansion and contraction without creating undue stress or strain. Coil connections shall be sweat with connection size to be determined by manufacturer based upon the most efficient coil circuiting.
  - Vent and drain connections shall be furnished on coil connection, easily accessibly inside the cabinet. Vent connections to be provided at the highest point to ensure proper venting. Drain connections shall be provided at the lowest point.
  - All coils shall be factory tested for leakage at 450 psig air pressure with coil submerged in water.
  - Copper tubes shall have tube thickness of 0.016 inch and must comply with ASTM B-75.
  - Fin thickness shall be 0.0045 inch.
  - Coil rows shall be indicated on the drawings.
  - Coil module shall have a stainless-steel drain pan extending the entire width of the coil and shall be positively sloped in every plane. Drain pan to be insulated with antimicrobial closed-cell insulation. The drain pan shall be designed to ensure no pooling of condensate water per ASHRAE 62.1.
  - Stacked coils shall include an intermediate stainless-steel drain pan.
  - Secondary [preheat][reheat] hydronic heating coil module located [upstream][downstream] of the primary coil shall be factory-furnished. Entering water conditions are not to exceed 200°F.
- Fans
  - Fans shall be direct-drive, single-width single-inlet fan wheels.
  - Fans shall be statically and dynamically balanced.
  - Fan wheels shall be designed for continuous operation at the maximum rated fan speed and motor horsepower. Fan and motor assemblies shall be capable of delivering up to [6.0] inches w.g total static at nominal.
  - The complete fan assembly, including motor, shall be easily removable.
  - Access to motor and fan assembly through hinged access door. Access door shall be sized for removal of entire motor and fan assembly.
- Motors
  - Motors shall be 3PH, 60Hz constant-torque EC motors with means for variable 0-10V input for [208] [230] [460] volts, permanently lubricated ball bearings. No belts, pulleys, or sheaves shall be acceptable.
  - Supply fans shall be driven by Electrically Commutated motors that are run-tested in the assembled unit and permanently lubricated.
  - All motors shall have integral thermal overload protection with a maximum ambient operating temperature of 55°C with automatic reset.
  - All motors shall be capable of operating at 90 percent of rated voltage on all speed settings. Motors can operate up to 10 percent overvoltage.
  - Fan motor must have field-supplied 0-10VDC speed control signal.
  - Motors shall be connected with Wago splice connectors.

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- Filters
  - The filter module shall have a [2 inch] [4 inch] [2 inch and 4 inch] [flat] [angled] type [MERV 10] [MERV 13] deep-pleated panel filters. Throwaway filters also available.
  - Filter media shall be UL 900 listed, Class I or Class II.
  - Filters shall be easily accessible via a door or panel located on the side of the unit.
- Mixing Box (Optional)
  - A mixing box module for mixing two separate airstreams is to be furnished where indicated on the drawings.
  - Factory installed dampers shall be provided on both mixing box inlets.
  - All dampers shall be rated with a leakage rate not to exceed 3 cfm/ft^2 at 1 inch wg. Damper blades and frames shall be galvanized steel with airfoil design and edge and jamb seals. Damper linkage shall be provided and installed with all mixing boxes.
  - Dampers shall be certified in accordance with AMCA 511.
  - Actuators are to be furnished factory installed on the mixing box.
  - Actuators shall require 24V.
  - Actuators are to be controlled via [24VAC ON/OFF] [0-10V modulating] [signal and factory wired to the control box].
- Electrical Heater
  - Electric heat coils shall be open coil type, nichrome wire resistance elements, insulated by floating ceramic bushings.
  - Thermal cutouts for primary and secondary over-temperature protection shall be provided to meet UL and NEC requirements.
  - Maximum element watt density shall be 55-watts/in^2.
  - Electric heater shall be [1-stage] [SCR modulating]
- Electrical Requirements
  - Standard unit shall operate on [208] [240] [480] volts, 60Hz electrical power. [Service switch with lock-out & tag-out features shall be factory installed. Circuit shall be [fused] [fused disconnect only]].
  - Standard unit shall be [single] [double] point power.
  - A NEMA rated remote controls enclosure shall be provided. [Enclosure shall be 65kA SCCR rating]
  - NEMA rated fused Disconnect switch shall be included with unit.
- Accessories
  - The following end devices shall be available to be factory supplied and mounted
    - Condensate overflow switch(es)

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Date	Section	Action
09/10/26	Sound Performance Data	Added section
07/27/26	Configurations and Arrangement	Added a recommendation to install units in a conditioned space
12/11/25	All	Created document

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