



Cary-air Systems

AIR HANDLING UNIT

Air handling unit is a device used to condition and circulate air as part of a heating, ventilating, and air-conditioning (HVAC) system. An air handler is usually a large metal box containing a blower, heating or cooling elements, Air filter racks or chambers, sound attenuators, and Volume control dampers. Air handlers usually connect to a ductwork ventilation system that distributes the conditioned air through the building and returns it to the AHU. Sometimes AHUs discharge (supply) and admit (return) air directly to and from the space served without ductwork.

CARY-AIR Produces a range of single skin and double skin. Available with installation capacity range of 1,000 to 60,000 cfm. CARY-AIR AHU's are best suited and widely used in health care, Food Processing, semi-conductor, pharmaceutical industries.

CARY-AIR AHU's come with a factory mounted motorized damper and other accessories on request. Capability to provide information to BMS are done on request.

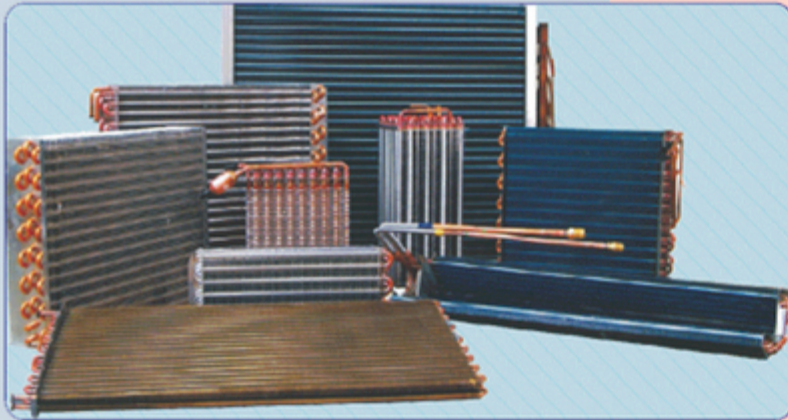
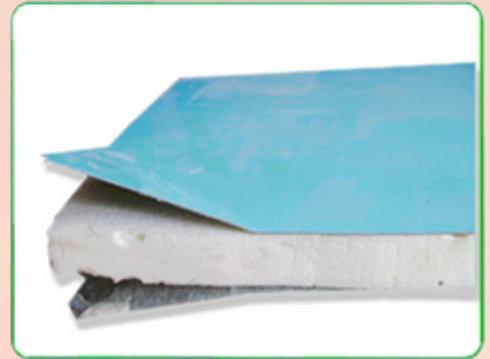


AHU DIMENSIONS

SL. No.	CFM	W	H	L	Coil Selection		BLOWER Modal		Damper Size		
					W/in	H/in	ADH	RDH	W	H	L
1	1000	750	750	3140	16.00	18.00	180R	180R	300	300	150
2	1500	750	750	3290	20.00	22.00	200R	200R	400	350	150
3	2000	750	750	3540	22.00	22.00	225R	225R	450	400	150
4	2500	1115	750	3540	25.00	28.00	250R	250R	455	455	150
5	3000	1115	750	3640	30.00	30.00	280R	280R	515	515	150
6	4000	1420	750	3740	32.75	36.00	315R	315R	600	550	150
7	5000	1420	1115	3790	35.00	42.00	355R	355R	700	615	150
8	6000	1420	1115	3790	40.00	44.00	400R	400R	800	650	150
9	8000	1420	1420	3440	47.50	50.00	450R	450R	800	750	150
10	9000	1420	1720	3540	50.00	52.50	500R	500R	950	900	150
11	10000	1420	1720	3640	50.00	60.00	500R	560R	950	900	150
12	11000	1420	1720	3640	55.00	60.00	500R	560R	1000	950	150
13	12000	2030	1420	3940	60.00	60.00	630R	560R	1000	1100	150
14	15000	2030	1725	4240	60.00	72.00	630R	560R	1015	1260	150
15	16000	2030	2030	4240	62.00	75.00	630R	630R	1100	1260	150
16	18000	2030	2030	4240	68.00	76.00	630R	710R	1260	1380	150
17	21000	2365	2030	4240	68.00	86.00	710R	710K	1260	1380	150
18	24000	2670	2030	4240	72.00	96.00	710R	800K	1300	1600	150
19	30000	2670	2670	4390	92.00	92.00	900K	900K	1500	1800	150
20	35000	2670	3010	4840	95.00	110.00	1000K	1000K	1500	2000	150

AHU Panels

Double skin 25/45 mm panels injected with environment friendly CFC & HFC free self extinguishing Puf. A uniform density 38-40kg/m³ ensure Low thermal conductivity & robust construction. Various options such as pre-coated colored galvanized sheets, plain galvanized sheets, aluminum & SS 304 sheets plain is various thicknesses are available to inner & outer skin of double skin panels.



HEAT Exchange Coils

We Provide excellent heat transfer ratio and manufacture a range of coils namely.

- Chilled water coil
- Condenser Coil
- Evaporator Coils
- Steam/Hot water Coils
- Heat Exchangers

Construction Capability

Tube Size 3/8", 1/2", 5/8"

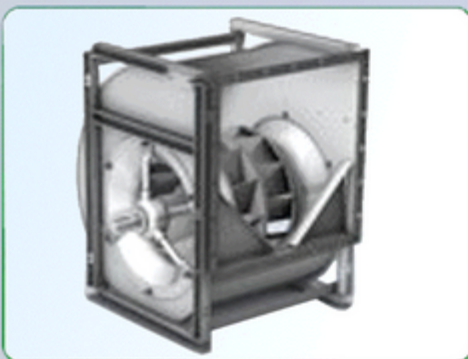
Tube and fin material: Aluminum Copper and stainless steel

Headers : M.S Copper, galvanized and stainless steel

Protective Coating of coils

Thermo guard , polyurethane /epoxy coating

We Constructed using imported copper tube with uniform wall thickness ,inner grove tube is also used to request . the coils are tested by various means to ensure absolute leak Proof situation



FAN'S

Highly energy efficient AMCA certified Fans with Forward /backward Curved construction are available for medium to high static pressure application. Fan and Motor mounted on GI channels by using anti vibration pads.

DRAIN PAN

Drain tray is made Stainless still (SS-304) With dual slope to facilitate immediate discharge of condensate.

Drain tray is aluminum constriction is also available as option.

