

Air-conditioning Solutions Provider



One

stop for all

HVAC
solutions

KLIMASYS

Air-conditioning Solutions Provider



KlimaSys A leading Air-conditioning solutions provider, we've focused on helping peoples to achieve reliable, high-quality and affordable indoor comfort with products that continue to be designed, engineered and completely manufact ured in India. KlimaSys extensive range of robust and reliable products backed by its cutting-edge R&D and more than two decades of expertise are designed to ensure optimum performance, higher yields and maximum return on investment for the customers. We empower our customers, people, and partners to lead the future with green energy.

Air Handling Units (AHU) are the lungs of any HVAC system. An air handling unit is a device used to regulate and circulate air as part of the heating, ventilation and air conditioning system.



- The requirements of an air conditioning system are not always the same. In some applications a simple exchange of air is required, while in other applications the requirements can be very demanding in terms of temperature, humidity and purity of the air.
- Our air handling units are custom built by means of individual modules that allow each equipment to be adapted to the appropriate solution for each application. All equipment is manufactured with high quality materials and components and meets the needs of any application including the most rigorous as hygienic applications, explosive atmospheres or corrosive

AHU with Electronically Commutated Fan

- Very high degree of efficiency
- Best power consumption option available for AHU
- Integrated controller (pressure control, airflow, speed, temperature, air quality, etc.)

Smaller-sized motor for the same level of performance



Treated Fresh Air Units (TFA)

- Treated fresh air units ensures good indoor air quality (IAQ) inside any building.
- TFA's are meant to cater to large fresh airflow and recovery needs.
- Heart of the TFA is energy recovery wheel, which recovers Total Enthalpy i.e. both Sensible & latent energy



Clean Room AHU

- The casing air leakage is of prime importance in clean room AHU's. Our units are designed in accordance with Eurovent Standard for leakage.
- High Quality filters, with adequate space inside the unit for filter testing.



Vertical Air Handling Unit

- Vertical Air Handling Units is specially designed for places which has space restrictions.
- Compact size: Smallest foot print
- The capacity of the vertical air handling unit is 1000 CFM to 40000 CFM.



Floor Mounted AHU's

SPECIFICATIONS OF HORIZONTAL TYPE AHU



MODEL	CAPACITY CFM	FAN MODEL	COIL AREA (SQ. FT)	HEIGHT H	WIDTH W	LENGTH				
						MC L1	PRE L2	CWC L3	HWC L4	FAN L5
WDH-10	1000	7' X 7' X 1	2.0	600	800	450	50	450	300	600
WDH-12	1200	7' X 7' X 1	2.4	720	800	450	50	450	300	600
WDH-15	1500	9' X 9' X 1	3.0	720	900	450	50	450	300	600
WDH-20	2000	10' X 10' X 1	4.0	850	1050	450	50	450	300	700
WDH-30	3000	12' X 12' X 1	6.0	850	1200	450	50	450	300	800
WDH-40	4000	15' X 15' X 1	8.0	900	1400	450	50	450	300	900
WDH-50	5000	18' X 18' X 1	10.0	1075	1500	450	50	450	300	1050
WDH-60	6000	20' X 20' X 1	12.0	1175	1500	450	50	450	300	1120
WDH-70	7000	22' X 22' X 1	14.0	1250	1600	500	50	500	300	1120
WDH-80	8000	24' X 24' X 1	16.0	1400	1600	500	50	500	300	1200
WDH-90	9000	26' X 26' X 1	18.0	1500	1600	500	50	500	300	1200
WDH-100	10000	28' X 28' X 1	20.0	1600	1750	500	50	500	300	1300
WDH-120	12000	32' X 32' X 1	24.0	1875	1975	500	50	500	300	1400
WDH-150	15000	36' X 36' X 1	30.0	1775	2200	500	50	500	300	1600
WDH-160	16000	38' X 38' X 1	32.0	1850	2175	500	50	500	300	1600
WDH-180	18000	42' X 42' X 1	36.0	1850	2400	500	50	500	300	1600
WDH-200	20000	46' X 46' X 1	40.0	1850	2550	500	50	500	300	1600
WDH-210	21000	48' X 48' X 1	45.0	2100	2575	600	50	600	300	1800
WDH-210	23000	50' X 50' X 1	50.0	2300	2600	600	50	600	300	2000
WDH-210	25000	52' X 52' X 1	57.0	2375	2600	600	50	600	300	2000
WDH-300	30000	60' X 60' X 1	60.0	2375	2750	600	50	600	300	2150
WDH-320	32000	64' X 64' X 1	64.0	2750	2800	600	50	600	300	2150
WDH-350	35000	70' X 70' X 1	70.0	2750	3050	600	50	600	300	2150

Ceiling Suspended AHU's

SPECIFICATIONS OF CEILING SUSPENDED AHU (SINGLE BLOWER)

MODEL	CAPACITY	FAN	COIL AREA	HEIGHT	WIDTH	LENGTH
	CFM	MODEL	(SQ. FT.)	H	W	L
WDCS-10	1000	7" X 7" X 1	2.0	500	900	850
WDCS-15	1500	9" X 9" X 1	3.0	550	950	900
WDCS-20	2000	10" X 10" X 1	4.0	600	1125	950
WDCS-25	2500	12" X 12" X 1	5.0	650	1200	1100
WDCS-30	3000	12" X 12" X 1	6.0	660	1375	1100
WDCS-35	3500	15" X 15" X 1	7.0	750	1425	1150
WDCS-40	4000	15" X 15" X 1	8.0	750	1525	1150
WDCS-45	4500	18" X 18" X 1	9.0	900	1450	1300
WDCS-50	5000	18" X 18" X 1	10.0	900	1600	1300
WDCS-60	6000	18" X 18" X 1	12.0	900	1750	1300



SPECIFICATIONS OF CEILING SUSPENDED AHU (TWIN BLOWER)

MODEL	CAPACITY	FAN	COIL AREA	HEIGHT	WIDTH	LENGTH
	CFM	MODEL	(SQ. FT.)	H	W	L
WDCS-30T	3000	9" X 9" X 2	6.0	550	1625	950
WDCS-35T	3500	10" X 10" X 2	7.0	600	1750	1000
WDCS-40T	4000	10" X 10" X 2	8.0	600	1850	1000
WDCS-50T	5000	12" X 12" X 2	10.0	650	2100	1100
WDCS-60T	6000	12" X 12" X 2	12.0	660	2475	1100
WDCS-70T	7000	15" X 15" X 2	14.0	750	2450	1300
WDCS-80T	8000	15" X 15" X 2	16.0	750	2750	1300

Ventilation & Exhaust Unit

- Available in both single skin and double skin option.
- Casing made of extruded aluminium profile.
- On request: filters can be provided, based on the application.



Air Washer Unit

Air washer units in which water is used as medium for adiabatic cooling of air in humidification systems, by direct evaporation of water into the air stream thereby reducing the air's dry bulb temperature.

- Creates more comfortable conditions for the work force and processes
- Low installation cost, Low running/operation cost
- Effective in high heat generation areas
- Easy & inexpensive maintenance



Wet Scrubber Unit

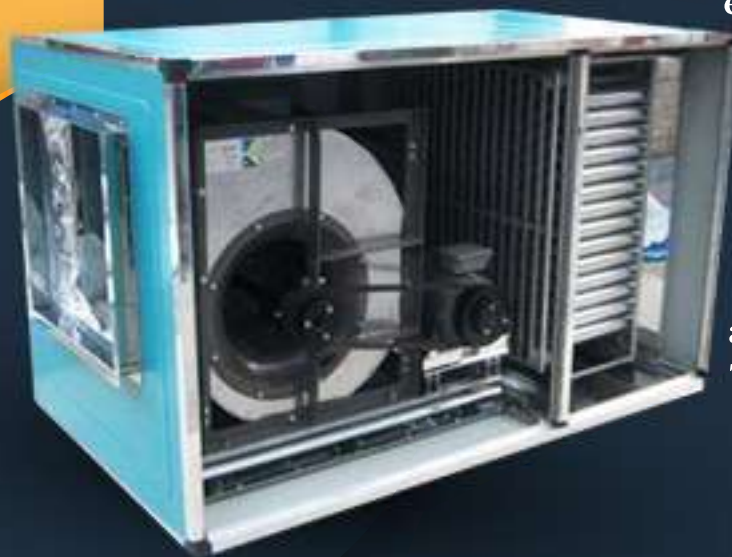
- Wet air scrubbers are commonly used in process-air applications to eliminate potentially harmful dust and pollutants. A liquid, in general water is adapted to the process, is sprayed in to the air flow. Aerosol and gaseous pollutants in the air stream are removed by absorption with the water solution.



Dry Scrubber Unit

- Contaminated air is drawn by the motor/blower through a washable metal mesh prefilter which traps large dust particles. The remaining particles, some as small as 0.01 microns, pass into a strong electrical field (ionizing section) where the particulate receives an electrical charge. The charged particles then pass into a collector plate section made up of a series of equally spaced parallel plates.

Each alternate plate is charged with the same polarity as the particles, which repel, while the interleaving plates are grounded, which attract and collect the contaminants. The contaminants are held in these plates until they are washed away.



The Plug and Play Solution



- In built electrical panel with VFD option.
- Can supply factory fitted expansion valves
- Units can be designed and manufactured in various section wise so that it can be easily and speedily assembled at site in few hours.

Protection for Coil



ULTRA VIOLET LIGHT SYSTEMS

- Ultra Violet light Systems destroy high levels of airborne and surface bio contaminants.
- Ultra Violet light Systems is a proven method for removing volatile organic compounds(VOCs) and for killing or deactivating bacteria, viruses, mould spores and other pathogenic microorganisms that may be present in room



HYDROPHILIC

- **Hydrophilic** The special two-micron pre-coated polymer hydrophilic coating improves airflow by reducing thickness of condensing water layers, known as water carry-over phenomenon.
- **Hydrophobic** The epoxy based hydrophobic coating effectively inhibits dust and bacterial accumulation

VALUE

- **KlimaSys** mission is to provide the best value in the marketplace. Our belief is that exceptional products, shipped on schedule, with unparalleled customer service, offer value without comparison. All are essential to our customers' success. Compromising any one of these essential values is simply not an option.

KLIMASYS TEAM

- **KlimaSys** has a highly skilled, qualified and motivated workforce. Education and advanced training are an important precondition for our entrepreneurial success.

QUALITY PERFORMANCE

- Our commitment to quality is reflected in our people, processes, and facilities. Extensive use of world-class manufacturing equipment insures accuracy in our processes. Leak test and final inspection stations are as critical as designing and assembling, and it shows in our products.

DELIVERY PERFORMANCE

- We've built our reputation on fast, accurate, on-time delivery. We have the staff, equipment, and total commitment to complete even the most challenging projects on time. Our reliability in meeting ship dates is one of the many reasons for our impeccable customer retention.

SERVICE PERFORMANCE

- Our goal is to create long-term business relationships. Our experienced staff works to identify individual needs and provide the most costeffective solution. We put our skills and resources to work to ensure that we meet or exceed your expectations.

FEW OF OUR PRESTIGIOUS CLIENTS



Cognizant



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