MASTER
EXHAUST HOUSE
UNIT-2



MASTER Exhaust House Unit-2

masterexhausthouse@gmail.com
Facebook page: mstrexhaust
masterexhausthouse.com
Youtube: Master Exhaust House Unit-2
SHOW ROOM: DOCTOR BARI
ZIRABO, ASHULIA, DHAKA, BANGLADESH.

+8801706 259 292
+8801917 071 445

Industrial Exhaust Fan

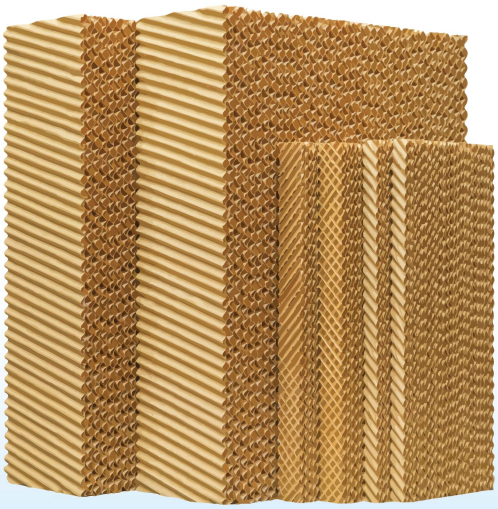


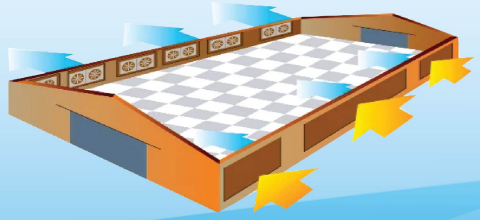


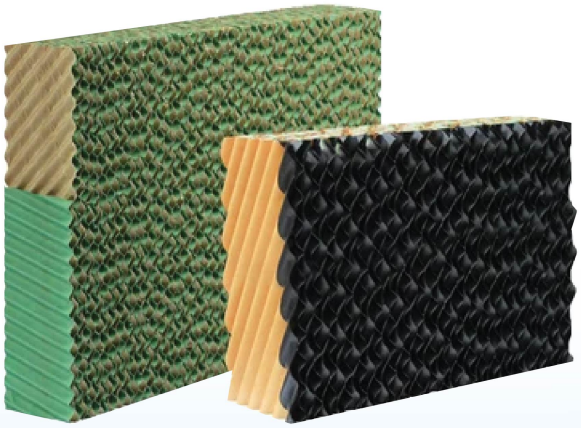


Model	BODY SIZE (mm)	BLADE SIZE (mm)	No.of Blade	CAPACITY (m3/hr)	RPM (BLADE)	RPM (MOTOR)	NOISE (db)	POWER
WF1250	1380X1380X400 (54″)	1250	6	44000	433	1400	65	1.1Kw, 380v, 50hz, 3ph
WF1100	1220X1220X400 (48″)	1100	6	37000	439	1400	65	1.1kw, 380v, 50hz, 3ph
WF1000	1100X1100X400 (44″)	1000	6	35000	439	1400	65	0.75kw, 380v, 50hz, 3ph
WF950	1060X1060X400 (42″)	350	6	32000	439	1400	65	0.75kw, 380v, 50hz, 3ph
WF900	1000X1000X400 (40″)	900	6	30000	439	1400	65	0.55kw, 380v, 50hz, 3ph
WF800	9000X900X400 (36″)	800	6	21000	550	1400	65	0.55kw, 380v, 50hz, 3ph
WF800D	900X900X400 (36″)	800	6	30000	630	630	65	0.55kw, 380v, 50hz, 3ph
WF750	800X800X400 (32″)	750	6	14000	550	1400	65	0.37kw, 380v, 50hz, 3ph
WF600	680X680X320 (28″)	600	5	12000	1400	1400	65	0.37kw, 380v, 50hz, 3ph
WF550	610X610X350 (24″)	550	4	10000	1400	1400	65	0.37kw, 380v, 50hz, 3ph
WF450	480X480X350 (18″)	450	4	5700	1400	1400	65	0.20kw, 380v, 50hz, 3ph
WF350	380X380X320 (16″)	350	5	4600	1400	1400	65	0.20kw, 380v, 50hz, 3ph

Evaporative Cooling Pad







Height (mm)	1500, 1800, 2000
Width (mm)	300, 600
Thickness (mm)	100, 150, 200
Flute height (mm)	7
Across Angle (₀)	45

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Roof mounted Exhaust Fan



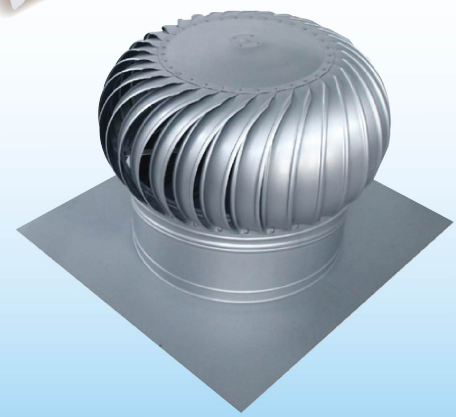
MODEL	BODY SIZE (MM)	BLADE SIZE (INCH)	BODY MATERIAL	RPM	AIR FLOW (M3/HR)	POWER	ORIGIN
WRF-48	2390*1600*940	48″	FRP	550/700	46500	1.1kw/1.5kw, 380v,50hz	China
WRF-36	1520*1200*930	36″	FRP	550	35000	0.75kw/1.1kw, 380v, 50hz	China
KF-48	2390*1600*940	48″	FRP	630	46500	1.5kw, 380v, 50hz	Taiwan
CD54-3GR	2390*1600*900	48″	FRP	630	46500	1.5kw, 380v, 50hz	Taiwan

Cone Exhaust Fan



MODEL	BODY SIZE	BODY/BLADE MATERIAL	RPM	AIR FLOW (m3/hr)	POWER
CF1250	1460X1450X550	FRP	550	46500	1.1kw, 380v, 50hz
CF1050	1260X1260X550	FRP	550	37000	0.75kw, 380v, 50hz
CF900	1060X1060X550	FRP	550	30000	0.55kw, 380v, 50hz
CF600	850X850X500	FRP	550	17000	0.37kw, 380v, 50hz
CF500	560X560X450	FRP	550	5700	0.37kw, 380v, 50hz

Natural Wind Roof Fan



MODEL	WNF 500	WNF 600
Outer Diameter	580mm	720mm
Opening Diameter	500mm	600mm
stack Height	450mm	600mm
Material	Stainless Steel	Stainless Steel

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Push-Pull Exhaust Fan



The unique push-pull opening mechanism ensures that the shutters can be opened and closed freely;

The push-pull opening device is made of high-strength nylon, 100% raw material, high strength and long service life;

Double row double sealed bearings, waterproof design, high strength, low noise, maintenance-free, and logn service life;

The stainless steel blade formed by Krupp one-time stamping is not broken, deformed, beautiful and durable;

The whole set of fan blades is checked and calibrated by high-precision dynamic balance to ensure smooth operation of the fan without vibration reduce noise, and effectively increase service life

The unique recessed fan handling handle design can effectively avoid the inconvenience during loading, unloading and handling, and will not affect the installation and appearance of the fan.

Equipped with national standard high-efficiency energy-saving motors, passed the national 3C certification, protection class IP55, insulation class F.









Model	Blade Diameter (mm)	Frequency (Hz)	Motor Rotation Speed (RPM)	Air Flow (M3/Hr)	Inport Power (W)	Noise Desibels	Rated Voltage (V)	Height (mm)	Width (mm)	Thickness (mm)
TMPP-1380	1270	50	<1400	48000	1100	<64	380	1380	1380	450
TMPP-1000	910	50	<1400	35000	750	<64	380	1000	1000	450

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Fan pulley

The fan pulley is made of high-strength aluminum-magnesium alloy die-casting, reducing weight, the impeller blades are complete, and high corrosion resistance. Reinforced rib design. Eliminate internal stress, improve its own rigidity and stability, will not break.



Motor

High-performance fan-specific motors can be customized according to customer n eeds voltage and frequency; pass 3C certification, protection level: IP55, insulation level: F level, there are domestic motors and imported motors for customers to choose to use.



Blade

Fan blades are stamped and formed from Krupp stainless steel, dust-free, beautiful and durable. The special blade shape design ensures that the air volume is large, not deformed or broken, and all ways of making the air volume the same.



Nylon Pull push system

The sliding mechanism can fully open the blinds, ensuring minimum air resistance and maximum air volume. When closed, it can effectively prevent wind, rain and dust.



Fan bearing

The fan bearing adopts the special waterproof design of the double row bearing, and water cannot enter. High strength, low noise, maintenance-free and long service life.



Fan belt

The belt adopts imported belt to ensure the service life and maintenance-free.

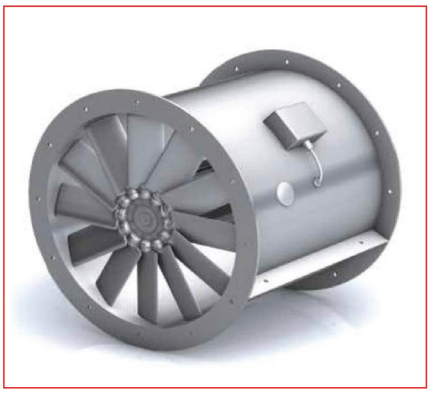
Axial, Tube Axial fan & Filteration System



The circulation of the room air and supply of a workplace with sufficient oxygen is indispensable. especially in the industrial sector. Axial fans are the are easy to install on the wall and can be used to complete larger pipe ventilation systems.

With high power ratings, rugged metal housings and extra features, industrial fans in our product category are designed to meet the high demands of commercial customers.







Details Axial Fan

Country of Origin: Italy, Japan, Malaysia

Size: 600 mm - 1200 mm
Product Range: 5,000 M^3/hr upto 200, ooo M^3/hr
(We can supply customer recommendation)

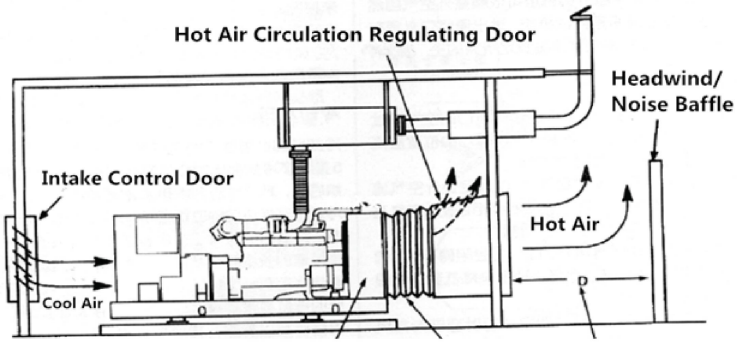
01) body material : MS / SS Sheet 4.0 - . 5 mm Thickness. (Origin Japan)
02) Blade : 03-10 Pcs Aluminum Alloy per set. (Origin Japan)
03) Ball Bearing : NSK (Heat / Water Proof) (Origin Japan)
04) V-belt : Mitsuboshi (Origin Thailand)
05) Inner Shaft : Carbon Steel (Origin UK)
06) Motor Brand : ABB/Sienens/ Teco
Electric Power :1.5 - 10.00 HP
Fan RPM : 1400
Motor RPM : 1450
Volt : 380.
Air Flow : 1,000 M^3/hr - 40,000 M^3/hr
07) Paint : Powder Coated.

primary Applications of Axial Fans
Axial fans are used in a large number of industries, for a variety applications. Some of the major applications of axial fans have been listed herein. Industrial axial fans are designed so as to create a large volume of airflow at low pressure.

Thus, there are many different ways in which they can be used. One of the major areas in which these fans are widely used, is for cooling or air-conditioning. Moving the hot air from one location to another, so as to cool a room or even an entire building, is a task that is perfectly suited for axial fans.



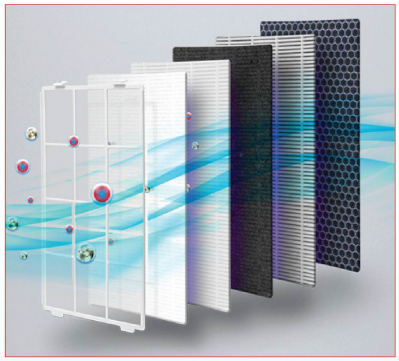
Generator room ventilation system



Proper generator room ventilation is essential for both the efficiency and safety of any operation, Ventilation is key for engine combustion support, to control engine and alternator heat, and for purging harmful odors and fumes from generator rooms. While designing generator rooms, it is important to take ventilation basics into considertion. Make sure to put all necessary componets of a successful ventilation system into place, including air intake and outlet vents, fans and air ducts.

Characters	:	*1) large flowing rate, 2) lower resistance, 3) high dirt holding, 4) single or double flange.*
Filter media	:	*fiber glass media or polypropylene filter media.*
separation	:	*aluminum membrane.*
Frame material	:	*galvanization-steel plate.*
Seal	:	*fiberglass cotton.*
Max. working temperature	:	*80₀ c.*
Max. working humidity	:	*80%*
Efficiency	:	*F6-F8 (FN779:2002).*
Application	:	*the filters are used in the industries of medicament, electronics, foodstuff and the air condition etc for mid-filtering.*

We can supply any customize filteration system





Carpet or Floor Drying Fan



FLOOR DRYING FAN

Floor drying fan is specifically designed to speed up the drying process of carpet, hard floors and public toilet after cleaning by pulling warm, dry air from above and dircting it across the floor working at high-velocity airflow rates.

The use of floor drying fan and blower will provide the air circul tion and targeted air flow that's necessary to achieve thorough drying.

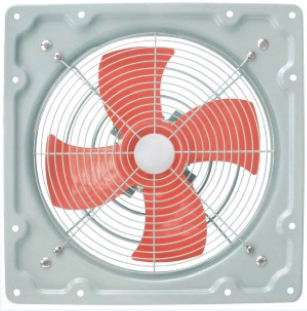
For best results, you shoudl allow the floor dryer to operate on a 24/7 basis for up to a week after the carpet appears to be completely dry inside and out.

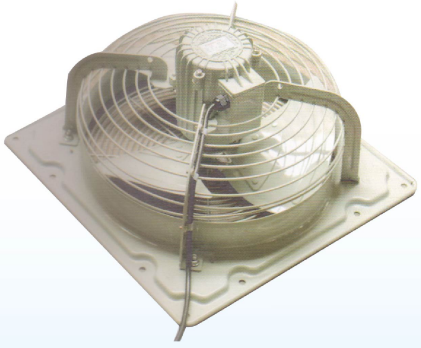
This ensures that no trapped moisture is remaining in the carpe-

Low Noise Ventilation Fan

Advantages of Low Noise Ventilation:

We are specializes in custom engineered low noise fans for a. spectrum of engine cooling, radiator, HVAC and refrigeratin aplications. The need for low noise fans has become vital for any hearing conservation program in accordance with the Occupational Safety & Health Administration's Noise and Hearing Conservation Standards for workplace noise. These legislative measures outline provisions for noise mapping, Protection against the effects of noise exposure, action plans for reduction, and set new noise emission standrards for industries in America and around the world. Compliance is mandatory, and multi-Wing is on unssurpassed resource for low noise fans.





Diameter	Voltage	Frequency	Speed	Watts	Capacity	Noise
mm	V	Hz	RPM	W	CMH	dB (A)
300 (12")	200~240	50/60	1400/1420	80/100	1800/2100	54
400 (16")	220~240	50/60	1400/1720	150/150	3480/4080	58
500 (20")	220~240	50/60	1400/1420	280/320	6600/7800	65
600 (24")	220~240	520/60	960/1120	350/370	7800/8400	64

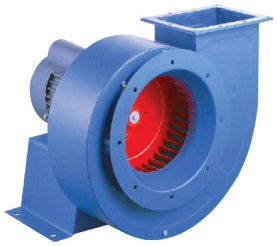
Axial Blower



Specification of axial blower

Diameter (Inch)	Bkody Material	Blade Material	RPM	Pressure (Pa)	Air Flow (M3/hr)	Power (kw)
12”	Mild steel	Aluminum alloy	2800	144-208	2025-3552	0.37kw-220v, 50hz
16”	Midl steel	Aluminum alloy	1400	140-206	6025-12239	0.37-1.1
18”	Mild steel	Aluminum alloy	1400	180-250	8500-15000	0.75-1.5
24”	Mild steel	Aluminum alloy	1400	180-250	10000-17500	1.5-2.0
30”	Mild steel	Aluminum alloy	1400	180-300	17000-30000	2.2-3
36”	Mild steel	Aluminum alloy	1400	200-350	25000-35000	4-7.5
42”	Mild steel	Aluminum alloy	960/1400	200-300	36000-54000	4-11
48”	Mild steel	Aluminum alloy	960	200-300	75000-95000	11-15
56”	Mild steel	Aluminum alloy	960	200-300	90000-105000	15-20
62”	Mild steel	Aluminum alloy	960	200-300	100000-120000	15-20

Centrifugal Blower



Specification of centrifugal blower :
Body material : mild steel
Impeller size : 5 inch-30 inch
power : 1hp-40hp, 440V, 50hp
Motor RPM-1400/2800

KAP-Mixed Flow Plastic In-line Fan

KAP fans have a mixed flow impeller for your ventilation needs.

MOTOR INSULATION CLASS	F CLASS
MOTOR PROTECTION CLASS	IP 44
MOTOR EFFICIENCY CLASS	-
MOTOR BRAND	KAYI
MOTOR MATERIAL	PLASTIC
CLASS OF INCOMBUSTUBULITY	-
IMPELLER MATERIAL	PLASTIC
DUTY CYCLE	IEC Duty Cycle-S1
WORKING TEMPERATURE	-20-+50 °C
STANDARDS	IEC-60335-2-80, ISO 1940-1



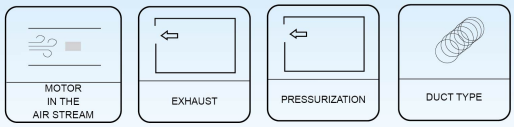
MODEL	VOLTAGE (V)	FREQUENCY (Hz)	POWER (W)	REVOLUTION (rpm)	FLOW RATE (m^3/h)	NOISE LEVEL (dB(A))
KAP 100	230	50	54	2148	203	31
KAP 125	230	50	56	2190	298	32
KAP 150	230	50	75	2110	444	33
KAP 160	230	50	75	2137	490	33
KAF 200	230	50	111	2410	1012	36
KAF 250	230	50	280	2460	1350	38

Centrifugal In-line Circular Duct Fan

Centrifugal In-line fans cal be used in low to medium volume Requirements. Easy-to-install and low noise level and power usage makes it a good option for commercial use.







MOTOR INSULATION CLASS	F CLASS
MOTOR PROTECTION CLASS	IP 44
MOTOR DFFICIENCY CLASS	IE2-IE3
MOTOR ENCLOSURE	EXTERNAL ROTOR MOTOR
MOTOR BRAND	KAYI
BODY MATERIAL	GALVANIZED SHEET METAL
BODY COATING	ELECTROSTATIC POWDER PAINT
IMPELLER MATERIAL	GALVANIZED SHEET METAL
DUTY CYCLE	IEC Duty Cycle-S1
WORKING AMBIENT TEMPERATURE	-20 - +50 °C
DIRECTIVE	IEC-60335-2-80,ISO 1940-1

MODEL	VOLTAGE (V)	FREQUENCE (HZ)	POWER (W)	REVOLUTION (RPM)	FLOW RATE (m^3/h)	NOISE LEVEL (dB(A))
K-RAD 100	230	50	80	2600	290	47
K-RAD 125	230	50	80	2600	410	47
K-RAD 150	230	50	85	2600	700	50
K-RAD 160	230	50	85	2600	710	51
K-RAD 200	230	50	122	2675	1000	52
K-RAD 250	230	50	145	2685	1120	54
K-RAD 315	230	50	210	2615	1750	57

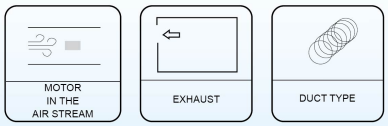
Values are for 0 Pa.

Axial In-line Duct Fan





Axial In-line fans can be used when low volume Ventilation needs. It is easy-to-install, Has low noise level and power usage.



MODEL	VOLTAGE (V)	FREQUENCY (Hz)	POWER (W)	REVOLUTION (rmp)	FLOW RATE (m^3/h)	NOISE LEVEL (dB(A))
K-AXIS 200	230	50	70	2650	680	50
K-AXIS 250	230	50	100	2700	1500	52
K-AXIS 300	230	50	163	2550	2025	54
K-AXIS 350	230	50	240	2250	3110	58

Values are for 0 Pa.

Industrial Dehumidifier (Floor stand type)






Model	HACD-60H	HACD-90H	HACD-158H	HAID-240C	HAID-480BC	HAID-960BC
Power Source	220-240V/ 1 Ph	220-240V/ 1 Ph	220-240V/ 1 Ph	380v, 50Hz, 3 PH	380V, 50Hz, 3 PH	380V, 50Hz, 3 PH
Humidity Removal (@30 C. & 80%RH)	60 Liter / day	90 Liter / day	158 Liter / day	240 Liter / day	480 Liter / day	960 Liter / day
Rated Power (input)	830w	1.5kw	2kw	4.8kw	6.6kw	15kw
Air Circulation	720 m3hr	850 m3/hr	1000 m3hr	2600 m3/hr	5000 m3/hr	12000 m3/hr
Refrigerant	R410a	R410a	R410a	R410a	R410a	R410a
Compressor Type	Rptary	Rptary	Rptary	Rotary	Rotary	Rotary
Operating Temperature	5-40◦C	5-40◦C	5-40◦C	5-40 ◦C	5-40 ◦C	5-40◦C
Dimensions (mm)	450 340 640	480*420*960	480*400*1045	770*470*1630	1190*450*1750	1550*700*1890

Ceiling Type Dehumidifier



Duct Type Dehumidifier



Model	HADD-10	HADD-20	HADD-30	HADD-40	HADD-50	HADD-80 C	HADD-120 C
Humidifying Capacity (@30 C, 80% RH)	240 Liter / day	480 Liter / day	720 Liter / day	960 Liter / day	1200 Liter / day	2000 Liter / day	3000 Liter / day
Power	3650w	6900w	12300w	14500w	17250w	45000w	75000
Hz	60/50	60/50	60/50	60/50	60/50	60/50	60/50
Voltage	380v	380v	380v	380v	380v	380v	380v
Air Flow	3000 m3/hr	5000 m3/hr	5500 m3/hr	6000 m3/hr	16000 m3/hr	22400 m3/hr	36300 m3/hr
Size (cm) (L*W*H)	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary
Refrigerant Gaz	R410a/R407c	R410a/R407c	R410a/R407c	R410a/R407c	R410a/R407c	R410a/R407c	R410a/R407c

Humidification System



Portable Humidifier

Humidification Capacity	50kg/hr
Power	650 Watt, 220V, 50Hz
Air Volume	2000 m^3/hr
Humidification area	1000m
Dimensions (CM)	50x60x140
Fog drain	8-15um
Weight	48kg
Made in	China



Ultrasonic Humidifier

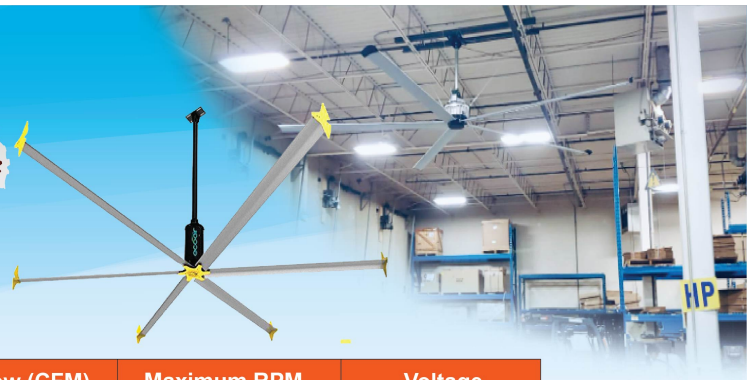
- Our ultrasonic humidiers are controlled automatically. we can set the RH to be 80% for example. When the humidity reaches 80%, our machine will stop working, when the humidity can not reach 80%, the humidier will start to work automatically.
- It can be controlled by timer. From 1-24 hours. when you set 12 hours for example. The machine will stop working after 12 hours.
- Digital humidity controller can be randomly set from 1%-99%. Its control precision reaches +5%
- The fog diameter is 1-10um.
- It is easy to move with 4 universal castors.
- It is stainless steel body, nice looking and long time service life.



Atomizing Humidification System

Model	Power	Humidity	Nozzle No	Control System	Maximum Pressure	Suitable area
I	1.1	120kg/h	40	Microcomputer intelligent	14MPa	500-800m2
II	1.5	330kg/h	120	Microcomputer intelligent	14MPa	2000-2400m2
III	2.2	660kg/h	250	Microcomputer intelligent	14MPa	4000-5000m2
IV	3	1000kg/h	350	Microcomputer intelligent	14MPa	6000-7000m2

High Volume low Speed Fan



Technical Specifucation

Diameter	Blades	Motor KW	Air Flow (CFM)	Maximum RPM	Voltage
12 FT	5 / 6 PCS	0.3/ 0.6KW	102579	88	220V
14 FT	5 / 6 PCS	1.0KW	134410	70	220V
16 FT	6 PCS	1.2KW	166856	65	220V
18 FT	6 PCS	1.2KW	187965	54	220V
20 FT	6 PCS	1.5KW	211895	48	220V/380V
24 FT	6 PCS	1.5KW	262408	43	220V/380V

Shelving Racking system

A shelving racking system is suitable for storing goods of any kind like small parts, carton, fabric roll, machinary, tools and any quantity. This system consists of very universal shelf types. The advantage of a shelving rack as plug system is obvious: no expensive and complex installation required - instead the shelves are installed quickly and easily without the hassle of screws. Each rack can bear 500 to 5000 kg per stage/level, and we provide perforated, non-perforated and we provide perforated, non-perforated and plywood materials for shelving.

Our Mission: We will be the trusted partner of our customers for all of their storage and material handling concerns.



Circulation Fan



MODEL	WCF 500	WCF 600
Outer Diameter	500mm	600mm
Power	0.2kw, 380v, 50hz	0.37kw, 380v, 50hz
RPM	14000mm	1400mm
Air flow (CMH)	5700	10000
Noise (db)	65	65
Material	Stainless Steel	Stainless Steel

Evaporative Air Cooler



Model-18



Model-23

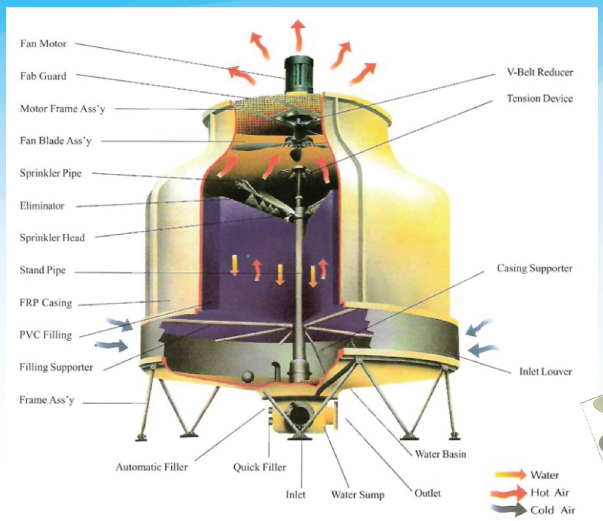


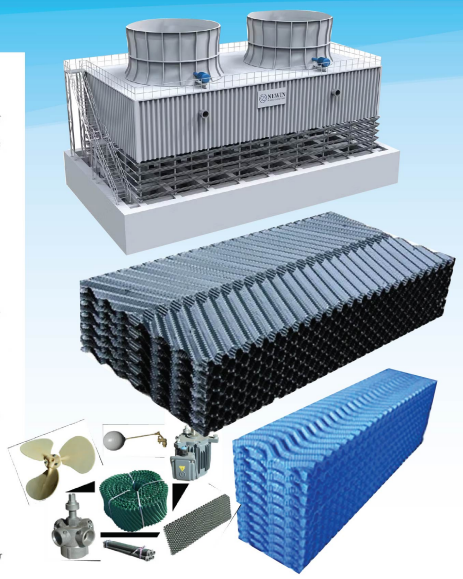
Model-30

ITEM	MODEL-18	Model-23	Model-30
Phase	3	3	3
Speed	1	1	1
Wall Controller	LCD	LCD	LCD
Pre-Dust Fillter	Yes	Yes	Yes
Remote Control	Yes	Yes	Yes
Auto Water Drain	Yes	Yes	Yes
Overload Protection	Yes	Yes	Yes
Pump Protection	Yes	Yes	Yes
Loss Phase Protection	Yes	Yes	Yes
Temperature & Humidity Display	Yes	Yes	Yes
Fan Type	Axial	Axial	Axial
Pre-Cooling	Option	Option	Option
Shut-Down Clean	Option	Option	Option
Group Control	Option	Option	Option
Discharge Type	Down / Top / Side	Down / Top / Side	Down / Top / Side
Dimension (mm)	1100*1100*950	1100*1100*980	1350*1350*1200
Pad Size (mm)	(675+30) *790*100*4	(675+30) *790*100*4	(850+30) *450*100*8
Vent Size (mm)	642*642	642*642	900*900
Packed Size (full on Pallet)	1125*1125*965	1125*1125*965	1375*1375*1225
Load Quantity (full) 20'/40'gp	20 / 40 pcs	20 / 40 pcs	8 / 16 pcs
Airflow (cmh)	18000	23000	30000
Pressure (pa)	180pa	180pa	280pa
Cooling Area (m2)	100~150	100~150	200~250
Power	1.1kw	1.1kw	3kw
Noise	73db	75db	80db
Water tank (L)	40	40	60
Water Consumption (L/H)	15-20	15-20	25-30
Net Weight (KG)	70.5	75kg	115
Gross Weight (KG)	80	82	130
Operating Weight (KG)	120	125	195
Cabinet material	75%pp+15%pe+10%additive	75%pp+15%pe+10%additive	75%pp+15%pe+10%additive

Cooling Tower

1. Motor (TEFC)
2. MS Motor Support
3. V-Belt Reducer
4. Exhaust Fan
5. In-fill
6. Sprinkler
7. In-fill Support
8. Water Basin (F.R.P)
10. Suction Tank
11. Piping
12. Air Inlet Slant Support
13. Eliminator
14. Sprinkler head
15. Casing
16. Fan Guard





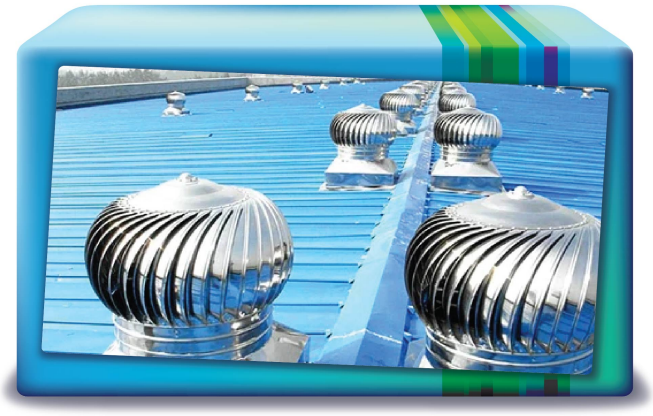
Item / Model	Nominal Flow (m3/h)	Dimension (mm)		Motor (Kw)	Fan Diam. (mm)	Air Flow (cmm)	water pressure (Kpa)	Weight (kg)	
		Diam. Max.	Height					Net weight	Run. Weight
WRT-8	6.2	945	1380	0.18	525	70	13	42	180
WRT-10	7.8	945	1530	0.18	600	85	13	46	190
WRT-15	11.7	1195	1415	0.37	600	140	13	54	290
WRT-20	15.6	1195	1590	0.55	730	160	14	67	300
WRT-25	19.5	1400	1820	075	730	200	16	98	500
WRT-30	23.4	1650	1705	0.75	730	230	16	116	530
WRT-40	31.2	1650	1775	1.5	890	280	16	130	550
WRT-50	39.2	1830	1835	1.5	890	330	17	190	975
WRT-60	46.8	2145	1955	1.5	1150	420	17	240	1250
WRT-80	62.6	2145	2035	1.5	1150	450	18	260	1280
WRT-100	78.1	2900	2370	2.2	1410	700	21	500	1690
WRT-125	97.5	2900	2555	2.2	1410	830	23	540	1640
WRT-150	117	2900	2555	2.2	1410	950	23	580	1680
WRT-175	136.8	3310	3165	4	1750	1150	30	860	1960
WRT-200	156.2	3310	3165	4	1750	1250	30	880	1980
WRT-225	175.5	4120	3580	5.5	2100	1500	33	1050	2270
WRT-250	195.1	4120	3580	5.5	2100	1750	33	1080	2800
WRT-300	234	4730	3680	7.5	2400	2000	34	1760	3930
WRT-350	273.2	4730	3680	7.5	2400	2200	34	1800	3790
WRT-400	312.1	5600	3840	11	2745	2400	36	2840	5740
WRT-500	392.4	5600	3840	15	2745	2600	36	2900	3800
WRT-600	468	6600	4470	15	3400	3750	42	3950	9350
WRT-700	547.2	6600	4470	18.5	3400	3750	42	4050	9450
WRT-800	626.4	7600	4720	22	3700	5000	45	4700	11900
NRT-1000	781.2	7600	4720	22	3700	5400	45	4900	12100













MASTER Exhaust House Unit-2

E-mail: masterexhausthouse@gmail.com, Facebook page: mstrexhaust, Youtube: Master Exhaust House Unit-2
SHOW ROOM: DOCTOR BARI, ZIRABO, ASHULIA, DHAKA, BANGLADESH.
Cell: +8801706 259 292, +8801917 071 445, Web: www.masterexhausthouse.com