



Innovation leads to value

Product Catalogue



HRG ENVIRONMENTAL ENGINEERING
(Ventilation Equipment Division)



Company Profile



HRG ENVIRONMENTAL ENGINEERING

About Us

HRG ENVIRONMENTAL ENGINEERING (HRGEE) is a leading importer and supplier of Material Handling Equipment and Ventilation Equipment since 2008. We provide high quality products and services. We have a proven track record of success and customer satisfaction by providing quality products and after-sales service. Our skilled and experienced engineers and technicians provide you with the best product selection and service, with utmost sincerity and care.

Our Brands



Some of Our Valued Customers



Drop Hammer Exhaust Fan



Evaporative Cooling Pad



Available Size:

H x W x D (mm): 1800 x 600 x 150

Size Can Be Customized

Model	Dimensions (LxWxT) mm	Air Flow m ³ /h	Fan Dia Ø mm	Speed rpm	Power/Voltage /Frequency kW/V/Hz	Pressure Approx. Pa	Noise Approx. dB	Blade & Shutter Material	Body Material
DHE - 1	620X620X400	10000	500	1400	0.37/380/50	55	≤ 70	Stainless Steel	Galvanized Steel
DHE - 2	900X900X400	28000	750	630	0.55/380/50	65			
DHE- 3	1060X1060X400	33000	990	600	0.75/380/50	70			
DHE- 4	1220X1220X400	38000	1100	460	0.75/380/50	73			
DHE - 5	1380X1380X400	44000	1250	439	1.1/380/50	56			

Can be customized apart from the data directed in the table

FRP Roof Top Exhaust Fan

Product Feature:

Specially thick FRP body material, high intensity alloy aluminum fan blades with reasonable blade angle achieve the biggest air volume. High precision microcomputer aided manufactured system can make sure fans maximize efficiency, low power consumption & low noise.



Model	Air Flow m ³ /h	Fan Dia Ø mm	Speed rpm	Power/Voltage /Frequency kW/V/Hz	Pressure Approx. Pa	Noise Approx. dB	Weight Approx. kg	Propeller & Blade Material	Body Material
FRTE-1	15000	600	1400	1.5/380/50	232	≤73	57	Alloy Aluminium	FRP
FRTE-2	27000	800	960	2.2/380/50	175	≤72	124		
FRTE-3	46000	1000	720	03/380/50	141	≤76	216		
FRTE-4	44000	1220	700	1.5/380/50	70	≤74	90		

Axial Flow Fan

Features:

Specially thick mild steel with hammer painting of body material, high intensity alloy aluminium propeller mild steel blades with reasonable blade angle achieve the biggest air volume. High precision microcomputer aided manufactured system can make sure fans maximize efficiency, low power consumption & low noise.

Application:

Power Station, for loop control system of the large engineering in subway, tunnel etc.



Model	Air Flow m ³ /h	Speed rpm	Power/Voltage /Frequency kW/V/Hz	Pressure Approx. Pa	Noise Approx. dB	Weight Approx. kg	Propeller Material	Body & Blade Material
AF-1	12000	1400	2.2/380/50	±250	≤70	78	Alloy Aluminium	Mild Steel (MS)
AF-2	22000		04/380/50		≤70	85		
AF-3	30000	960	5.5/380/50		≤72	130		
AF-4	45000		7.5/380/50		≤73	165		
AF-5	55000		11/380/50		≤75	202		
AF-6	75000		15/380/50		≤76	220		

Can be customized apart from the data directed in the table.

Evaporative Air Cooler

Description:

Evaporative cooler is a device that uses water evaporation to cool air. It is different from air conditioning systems that use refrigeration cycles. Evaporative cooler uses less energy than air conditioning and adds more moisture to the air in dry climates.



Model	EAC-18	EAC-22	EAC-30
Airflow	18,000 m ³ /hr	22,000 m ³ /hr	30,000 m ³ /hr
Covering Area	100-150 m ²	180-220 m ²	250-300 m ²
Fan Type	Axial		
Motor Power	1.1 kW, 380V, 50Hz	02 kW, 380V, 50Hz	03 kW, 380V, 50Hz
Noise Level	56-71 dB	56-71 dB	56-71 dB
Available Air Discharge	Bottom/Side/Upper		
Water Consumption	20-25 L/H	25-30 L/H	25-30 L/H
Water Tank	30 Liter	40 Liter	50 Liter
Dimension	1100x1100x950 mm	1100x1100x950 mm	1200x1200x1200 mm
Weight	77 kg	120 kg	125 kg

FRP Trumpet / Cone Fan

Product Feature:

1. Cone design, better exhaust, large air volume, horn-shaped, maintenance-free. No belt replacement.
2. Imported bearing, high strength, lower noise and long service life.
3. PVC/Aluminum shutters/blinds. Oxidation-proof, light, no-deform, flexible, anti-backflow. No electricity or switch for open/close.



Model	Dimensions (LxWxT) mm	Air Flow m ³ /h	Fan Dia Ø mm	Speed rpm	Power/Voltage /Frequency kW/V/Hz	Pressure Approx. Pa	Noise Approx. dB	Blade & Shutter Material
FT-1	1060X1060X510	30000	850	520	0.55/380/50	85	≤ 68	FRP
FT-2	1260X1260X560	40000	1050	520	0.75/380/50	95	≤ 68	
FT-3	1460X1460X580	52000	1250	520	1.1/380/50	95	≤ 65	

Centrifugal Type Fan



This product is widely used in General Ventilation of high building, factories, tunnel, mining enterprises restaurant, departmental store etc.

Air volume : 1,131 – 75,552 m³/hr.
Air pressure : 198 – 3,143 Pa
Motor Drive : Direct / Belt Driven

Automatic Roof Ventilator



A non electric alternative to ventilation, these vents use the natural force of wind and air pressure to spin and vent out stale attic air.

Bottom Diameter : 500 & 600 mm
Body Material : Stainless Steel(SS)
Base Material : Color-coated Sheet / SS

Industrial High Speed Wall Hanging Fan



This product is widely used in General Ventilation of factories, tunnel, enterprises restaurant, departmental store etc.

Fan Diameter : 450 – 750 mm
Air Volume : 7,600 – 18,000 m³/hr
Motor Drive : Direct Drive

Chiller / Dryer Condenser Cooling Fan



The fan blade has an aerodynamic and efficient design with a balanced rotor and a corrosion-resistant surface.

Fan Diameter : 200 mm – 800 mm
Operating Temperature : -25°C to +60°C
Material : Cold Rolled Steel

Cooling Tower & Spare Parts

Space saving

Energy saving

Low noise



**FRP ROUND COUNTER FLOW
TYPE COOLING TOWER**

Available capacity can be supplied : 20 - 1,200 RT
Available capacity ready in stock : 20 - 300 RT



**FRP SQUARE CROSS FLOW
TYPE COOLING TOWER**

Available capacity can be supplied: 150 - 1,200 RT
Single Cell and Multi Cell is available

TECHNICAL DATA FOR FRP ROUND COUNTER FLOW TYPE COOLING TOWER

型号 MODEL	循环水量(m³/h) FLOW RATE		外形尺寸 OVERALL DIMENSION		送风装置 FAN ASSEMBLY		配管尺寸 PIPING SIZE					噪音 (dB) NOISE
	WB28℃	WB27℃	高度 H	外径 D	马达 (HP) MOTOR	风扇 FAN	温水入管 INLET	冷水出管 OUTLET	排水管 DR	溢水管 OF	补给水管 FV	
	Twb28℃	Twb27℃										
JY-10	7.2	8.5	1740	1060	1/4	670	40	40	25	25	15	50.0
JY-15	10.8	12	1960	1060	1/4	670	40	40	25	25	15	52.0
JY-20	14.4	17	2000	1200	1/4	670	50	50	25	25	15	53.0
JY-25	18.5	20	2290	1430	1/2	770	80	80	25	25	15	53.0
JY-30	21.6	24	2290	1430	3/4	770	80	80	25	25	15	55.0
JY-40	28.8	32	2360	1620	1	770	80	80	25	25	15	56.0
JY-50	36	40	2595	1810	2	970	80	80	25	25	15	57.0
JY-60	43.2	48	2595	2000	2	970	80	80	25	25	15	58.0
JY-80	57.6	64	2690	2180	2	1170	100	100	25	25	25	59.0
JY-100	72	80	2790	2180	2	1170	100	100	40	25	25	60.0
JY-125	90	100	2875	2750	3	1470	100	100	40	25	25	61.0
JY-150	108	120	2950	3070	3	1470	125	125	50	25	25	61.0
JY-175	126	140	3200	3300	5	1750	125	125	50	50	25	62.0
JY-200	144	160	3300	3300	5	1750	125	125	50	50	25	62.0
JY-250	180	200	3600	3770	5	1750	150	150	50	50	40	63.0
JY-300	216	240	3960	3770	7.5	2400	200	200	50	50	40	63.0
JY-350	252	280	4150	4790	10	2400	200	200	50	50	40	63.5
JY-400	288	320	4150	4790	10	2400	200	200	50	50	40	63.5
JY-500	360	400	5200	5480	15	3000	250	250	80	80	40	65.0
JY-600	432	480	5200	6100	15	3400	250	250	80	80	40	66.0
JY-700	504	560	5770	6600	20	3400	250	250	80	80	40	68.0
JY-800	576	640	5820	6600	20	3400	250	250	80	80	40	69.0
JY-1000	720	800	5920	7600	30	3600	300	300	80	80	40	69.0

MOTOR

Type : AC Motor
 Power : 0.18 kW - 11 kW
 Rotation : 450 rpm - 1400 rpm
 Voltage : 380 V
 Frequency : 50 Hz

FAN SET

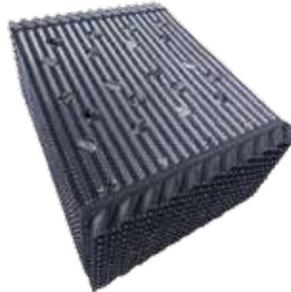
Fan Diameter : 584 mm - 2970 mm
 MOC : ABS Plastic / FRP / SS / Alloy Aluminium
 Blade Angle : Adjustable

SPRINKLER HEAD

Input Diameter : 2" - 12"
 MOC : ABS Plastic / Alloy Aluminium

BELT PULLEY SET

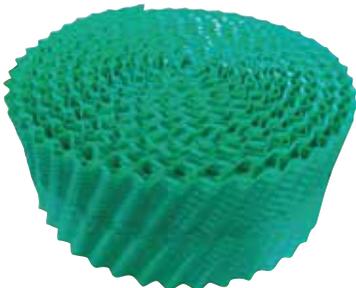
Belt Pulley Set are used as speed reducers to slow the rotational speed from the incoming motor to the outgoing fan of a cooling tower.
 Available for **150 - 350 RT**.

INFILL FOR SQUARE CROSS FLOW TYPE COOLING TOWER

Type : Sheet
 MOC : PVC
 Color : Black
 Available Size : 900×1000 & 1000×1000
 (Can be customized)
 Operating Temp. : 55°C Max.

INFILL FOR ROUND COUNTER FLOW TYPE COOLING TOWER

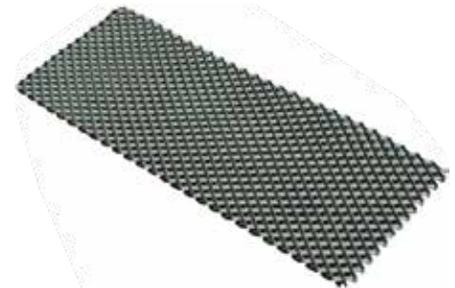
Type : Triangle
 Available Height : 9" & 12"
 MOC : PVC
 Color : Green
 Operating Temp. : 55°C Max.

INFILL FOR ROUND COUNTER FLOW TYPE COOLING TOWER

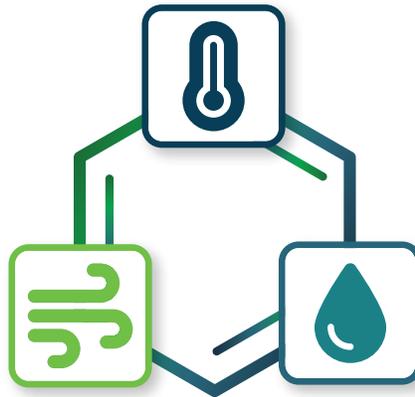
Type : Coil
 Available Height : 9" & 12"
 MOC : PVC
 Color : Green
 Operating Temp. : 55°C Max.

INFILL FOR ROUND COUNTER FLOW TYPE COOLING TOWER

Type : Block
 MOC : PVC
 Color : Green
 Available Size : 48"×12"×9" & 48"×12"×12"
 (Can be customized)
 Operating Temp. : 55°C Max.

LOUVER FOR ROUND COUNTER FLOW TYPE COOLING TOWER

MOC : PVC
 Color : Gray
 Available Size : 60" × (12" - 36")
 (Can be customized)
 Operating Temp. : 55°C Max.



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