



شركة بريستو الكهرو ميكانيكية ذ.م.م.
Presto Electromechanics Co. L.L.C.



Sole agent for KOLOWA ventilation fan



Factory / Warehouse Ventilation Biggest Roof Top Fiberglass Exhaust Fan

- Low Electricity Consumption
- Lowest KW Per CFM
- Low RPM, Low Noise
- Fiberglass, Long Life, Non Corrosion

Natural / Turbine Ventilator

- No Electricity Charges
- No Motor
- Superb Performance
- Full Stainless Steel, Long Life



PLASTIC FACTORY-Design, Install, Commission & Refurbish Process Cooling and Air Conditioning systems

We offer Professional & quality service conforming to international standards at competitive prices, providing you with the highest level of value for money

SF-118/190/240/288 Industrial HVLS Ceiling Fan

Electricity consumption: 2~5.0A
Speed: 10-60RPM (Variable Speed)

TYPE	SF-118	SF-190	SF-240	SF-288
SIZES	3M	4.8M	6.1M	7.3M



Inverter



SF240-5D

1 Set of 190" HVLS Fan = Efficiency of 8 sets 48" exhaust cone fan



(Save electricity 88% Save energy fee of 7 sets 48" exhaust cone fan)

LR55 FRP Exhaust Cone Fan



Size: 146x146x60 cm
HP: 2HP
Blade: 50" 3-Blades (Nylon+Fiber)
Capacity: 45,000CMH
Opening Required: 140x140 cm
PVC Shutter

NEW KV55 EXHAUST FAN



Sizes: 146x146x58cm
Material quality: FRP
HP: 1 HP 40,000 CMH
2 HP 45,000 CMH
Blade: 50" 6-Blades
Opening Required: 140x140cm
Galvanized propeller

LFS54-7D FRP Shutter Fan

FS54-6D FRP Connecting Rod Shutter Fan



Sizes: 148x148x45cm HP: 1.5HP
RPM: 500 Material quality: FRP
Weight: 72kg
Capacity: 40,000CMH / 23,557CFM
Blade: 48" 7-Blades / 6-Blades
Opening Required: 139x139cm
Shutter: PVC Shutter /
Connecting Rod Shutter

14" Solar Ventilating Fan

New Type

SF-14R



SF-14S



Model NO.: SF-14R / SF-14S
Sizes: 53x53x25cm
(When solar panel is 0 degrees)
Blade: 14" Weight: 17 kgs
Motor: DC 24V RPM: 1,750
Solar panel power: 20W/18V
Capacity: 3,315CMH
1. Solar panels can adjust for four angles (0/30/45/90 degrees).
2. Nature power ventilator (Solar only).

BLDC FAN



Sizes: 147x147x60cm
HP: 1HP 40,000CMH
Blade: 48" 7-Blades
Opening Required: 140x140cm

SD-14 / SDP-14 14" Ceiling Fan



Sizes: 60.5x60.5x20cm
Bare height: 11.5cm
Outlet size: 16"
Blade: 14" 3-Blades
Power: 53W/28W
3/5 Variable speed

**SAVING ENERGY,
SINGLE PHASE**

**SDP-14 Function
Sterilization +
Deodorization**

NEW TYPE

MSF-90 Movable HVLS Fan



RSF-155 Road HVLS Fan



KOLOWA COOLING SYSTEM ELECTRIC CONSUMPTION

Factory Dimension: 40M x 60M x 4M = 9,600M³
40M x 60M = 2,400M²

Fan Model: LR54-3DS FRP Belt Less Exhaust Cone Fan
Specification: 1.1Kw/Hr. / 45,000CMH / 220V/60HZ / 3phase
Comparison of **KOLOWA** Ventilation Cooling System over Ceiling fan and Air-conditioned unit

	Ceiling fan	Aircon	KOLOWA
Function Cooling	Blowing	Cooling	Blowing & Cooling
Kw/unit	0.4Kw	1HP=0.746Kw	1.1Kw
Covered area	5 sq.mts	10 sq.mts	100 sq.mts
No. of units per 2,400 sq. mts	480	240	24
Cost/ Kw /hr.	USD 0.20c	USD 0.20c	USD 0.20c
Daily consume for 10 hours of use	USD 384.00	USD 358.08	USD 52.80
Monthly consume for 30days of use	USD 11,520.00	USD 10,742.40	USD 1,584.00
Yearly Consume for 360 days of use	USD 138,240.00	USD 128,908.80	USD 19,008.00

ELECTRIC CONSUMPTION:

1. Ceiling Fan: USD 138,240.00 - USD 19,008.00 = USD 119,232.00 (savings/yr).
2. Air-condition: USD 128,908.80 - USD 19,008.00 = USD 109,900.8 (savings/yr).

Summary of Cooling System Materials and Installation Cost:

24 units of Fans & Cooling Pads Materials & Installation @ USD3,700/unit = USD88,800 (total cost)

Note: Excluded of Technical consultant & Shipment Cost.

 <p>Model No. MF20-6A Sizes : 76 x 76 x 15cm Weight : 26kgs HP : 1/2 HP RPM : 1200 Blade : 20" Aluminum Alloy Capacity : 4,150CMH / 2,444CFM</p>	 <p>Model No. LG32-5A Galvanized Steel Fan Sizes: 91.5x91.5x30cm Weight: 49 kgs HP: 1/2 HP RPM: 660 Blade: 28" Galvanized Steel Capacity: 10,000CMH / 5,889CFM</p>	 <p>Model No. LG42-5D Galvanized Steel Fan Sizes: 107.5x107.5x30cm Weight: 56 kgs RPM: 500 HP: 1 HP (Direct Drive) Blade: 36" Galvanized Steel Capacity: 18,000CMH / 10,600CFM VL: 70 Feet VW: 25 Feet</p>	 <p>Model No. LGS42-6A Shutter Fan Weight: 54 kgs Sizes: 107.5x107.5x30cm HP: 1/2 HP RPM: 600 Blade: 36" Galvanized Steel (Aluminum Alloy Rim) Capacity: 18,000CMH / 10,600CFM Opening Required: 110x110cm</p>
 <p>Model No. LGS54-6A Exhaust Shutter Fan Sizes: 137.5x137.5x45cm Weight: 87 kgs HP: 1 HP RPM: 390 Blade: 48" Galvanized Steel or Stainless Steel Capacity: 33,000CMH / 19,434CFM</p>	 <p>Model No. LG66-3A Sizes: 167x167x60cm Weight: 134 kgs HP: 2HP 59,500CMH / 35,041CFM 3HP 67,500CMH / 39,752CFM Blade: 60" Aluminum Alloy</p>	 <p>Model No. GS-42 Connecting Rod Shutter Fan Sizes: 107.5x107.5x32cm Weight: 75 kgs HP: 1 HP RPM: 500 Blade: 36" Galvanized Steel or Stainless Steel Aluminum Connecting Rod Shutter Capacity: 18,000CMH / 10,600CFM</p>	 <p>Model No. GS-54 Connecting Rod Shutter Fan Sizes: 137.5x137.5x47cm Weight: 98 kgs HP: 1.5HP RPM: 500 Blade: 48" Galvanized Steel or Stainless Steel Capacity: 33,000-42,000CMH / 19,434-24,734CFM Aluminum Connecting Rod Shutter</p>
 <p>Model No. SE24-6D Sizes: 74x31x74cm Weight: 24.5 kgs HP: 1/2 HP RPM: 860 Blade: 24" Aluminum Alloy Capacity: 7,000CMH / 4,123CFM Net: Stainless Steel net</p>	 <p>Model No. KGW-A24 Sizes: 80.5 x 80.5 x 35cm Weight: 33.5 kgs HP: 1/2 HP RPM: 860 Blade: 24" Aluminum Alloy Opening Required: 74.5x74.5cm Capacity: 7,000CMH / 4,123CFM With PVC Shutter and Stainless Steel net</p>	 <p>Model No. LFS54-3DS 48" FRP Shutter Fan Sizes: 137.5x137.5x38cm Weight: 80kgs HP: 1 HP 33,000CMH / 19,434CFM 2 HP 45,000CMH / 26,501CFM Blade: 48" SMC Propeller</p>	 <p>Model No. KF-20 / KF-24 FRP Roof Ventilator Sizes: 122x94 (60,64)cm Weight: 28.5 kgs HP: 1/2 HP RPM: 1100 Capacity: 5,400CMH / 3,180CFM Blade: 20" Aluminum Alloy 24"Coating Propeller</p>
 <p>Model No. KF-36 36" Roof Mounted Exhaust Fan Sizes: 120x152 (96,55)cm Weight: 60 kgs RPM: 800 HP: 3/4 HP(60Hz) / 1HP(50Hz) Blade: 36" Stainless Steel Capacity: 17,000CMH / 10,011CFM</p>	 <p>Model No. KF-48 FRP Roof Ventilator Sizes: 239.6x160 (94,70)cm Weight: 117 kgs HP: 2 HP Capacity: 45,000CMH / 26,501CFM Blade: 48" SMC or Aluminum Propeller</p>	 <p>Model No. KF54-2P FRP Roof Ventilator (Two Door) Size: 240x161x(67,123)cm Weight: 105kgs HP: 2 HP Blade: 48" SMC Propeller Capacity: 46,500CMH / 27,385CFM</p>	 <p>Model No. NEW KF-48 FRP Roof Ventilator Size: 200x159x(H96/58.5)cm Weight: 117kgs HP: 2 HP Capacity: 45,000CMH / 26,501CFM Blade: 48" SMC or Aluminum Propeller</p>
 <p>Model No. DF-18P Variable Speed Water Cooling Fan Voltage: 220V Sizes : 110x102 x 197 cm Kw: 1.1Kw Weight : 120 kgs Noise: 55-65dB Capacity : 8,700-18,800CMH / 5,123-11,071CFM</p>	 <p>New Type Model No. CF-36 Cooling Fan Sizes: 141x70x168cm Motor: DC Brushless Blade: 36" 3- Blades Voltage: 110/220V Noise: <72dB Capacity: 28,000CMH</p>	 <p>Model No. DF-8P2 3-Speeds Water Cooling Fan Voltage: 110V/220V Sizes : 83 x 45 x 138 cm Kw: 0.58Kw Weight : 46 kgs Noise: 56dB Capacity : 8,000CMH</p>	 <p>Model No. KT-24000 Kw: 1.1Kw Voltage: 110V/220V Size: 112x72x180cm Noise: 68dB Capacity: 22,000CMH Application Area: 120-180M²</p>
 <p>Model No. LR42-6A FRP Exhaust Cone Fan Sizes: 114x114x80cm Weight: 54 kgs HP: 1/2 HP RPM: 660 Blade: 36" Galvanized Steel Capacity: 20,000CMH / 11,778CFM Opening Required: 106x106cm</p>	 <p>Model No. LR54-3AS FRP Exhaust Cone Fan Sizes: 146x146x80cm Weight: 79 kgs HP: 1.5 HP RPM: 630 Blade: 48" SMC Propeller Capacity: 45,000CMH / 26,501CFM Opening Required: 140x140cm The driving belt is adjustable automatically by a stainless steel spring.</p>	 <p>Model No. SE54-6D Size: 139x139cm (With hanging hook) Propeller: 48" GI Capacity: 40,000CMH / 23,557CFM HP: 1.5 HP</p>	 <p>Model No. LR54-2P FRP Exhaust Cone Fan Sizes: 146x146x80cm Weight: 72 kgs Blade: 48" SMC or Aluminum Propeller HP: 2 HP Capacity: 46,500CMH / 27,385CFM</p>
 <p>Model No. LR54-7D FRP Exhaust Cone Fan Sizes: 146x146x80cm Weight: 82 kgs HP: 2 HP RPM: 500 Blade: 48" 7-Blades Capacity: 34,000-42,000CMH / 20,023-24,734CFM Opening Required: 140x140cm</p>	 <p>Model No. ACP-24 Movable Fan Sizes: 70x80x66cm Weight: 70 kgs HP: 2 HP Blade: 24" Aluminum Alloy Capacity: 20,000CMH / 11,778CFM</p>	 <p>Model No. ACP-54 Movable Fan Sizes: 171x105x180cm Weight: 124 kgs Blade: 48" Aluminum or SMC Propeller HP: 2 HP Capacity: 46,500CMH / 27,385CFM</p>	 <p>Electronic Automatic Control Unit</p>
 <p>Model No. EL-54 FRP Elbow For LR54-3DS Size: 30", 60", 90" Also have Elbow for LR42-6A. Weight(For 54"): 30": 12kgs 60": 20kgs 90": 38kgs Weight(For 42"): 30": 10kgs 60": 15kgs 90": 28kgs</p>	 <p>Model No. RB-54 FRP Roof Base For LR54-3DS Also have Roof Base for LR42-6A. Weight(For 54"): 48kgs Weight(For 42"): 27kgs</p>	 <p>Model No. WF-10 Cooling Pads Sizes: 150x30x10cm 150x60x10cm 150x60x15cm 180x30x10cm 180x60x10cm 180x60x15cm 200 x60x15cm</p>	 <p>Aluminum Trough Up trough and top cover Side Cover SS Slice Down trough 2.5" Funnel</p>
 <p>Model No. LR42-7D FRP Exhaust Cone Fan Sizes: 114x114x80cm Weight: 60 kgs HP: 2HP RPM: 500 Blade: 36" 7-Blades Capacity: 28,000CMH / 16,489CFM Opening Required: 106x106cm</p>	 <p>Model No. LR60-3D FRP Exhaust Cone Fan Sizes: 162 x 162 x 92cm HP: 3HP RPM: 600 Blade: 52" Aluminum Alloy Capacity: 59,000CMH / 34,746CFM Opening Required: 153x153cm</p>	 <p>Model No. LR62-3D Fan Exhaust Cone Fan Sizes: 168x168x102cm HP: 1-3/4 HP RPM: 500 Blade: 54" Galvanized Steel Capacity: 51,500CMH / 30,329CFM Opening Required: 159x159cm</p>	 <p>Model No. LR42-5D FRP Exhaust Cone Fan Sizes: 114x114x80cm Weight: 58 kgs HP: 1HP RPM: 500 Blade: 36" Galvanized Steel Capacity: 18,000CMH / 10,600CFM Opening Required: 106x106cm</p>
 <p>Model No. LR46-7D FRP Exhaust Fan Size: 128x128x61cm Material quality: FRP HP: 1HP/2HP 500rpm Blade: 42" 7-Blades Propeller Capacity: 38,000CMH / 22,379CFM Opening Required: 120x120cm</p>	 <p>Model No. ACP-42 Movable Fan Sizes: 141x90x143cm HP: 2 HP/630rpm Weight: 112 kgs Blade: 36" Galvanized Steel Capacity: 35,000CMH / 20,612CFM</p>	 <p>Model No. PR-36 Movable Fan Sizes : 125x80x132cm Blade: 36" 7-Blades HP: 1-2HP Capacity: 35,000CMH / 20,612CFM</p>	 <p>Model No. RF-42 Round Hanging Fan Size: 117X117X41cm Blade: 42" 6-Blades, 7-Blades HP: 1HP Capacity: 33,000CMH / 19,434CFM</p>

VENTILATION SYSTEM - THEORY , FLOW CHART & PERFORMANCE

Types(Simulation-Installation)	Illustration of Installation	Ventilation Efficiency
With the best effect of reducing the temperature Cooling pads ventilation System 	Factory in Changhua County 	Cooling pads, Ventilation System <p>The method of cooling is done by installing a system of wet cardboard, through the use of evaporating cooling, Wind Chill Effect, and negative pressure ventilation to easily rid the house of odor and stagnant air, and maintain more consistent house temperatures.</p>
Horizontal ventilation system 	Longitudinal ventilation system 	Cooling pad
The most economic type		
3-1 Wall mounted ventilation system 		Negative Pressure Ventilation System <p>The theory of air exchange and air distribution remove odor and stagnant air out of the house, and hung in windows or doorways to brings fresh air in. The speed of air flow per second, number of air change per hour, the amount of fresh air to be brought in can be accurately controlled.</p> <p>1. (Fig. 3-1) Wall mounted negative pressure ventilation system This is the best negative pressure ventilation system. It effectively improves the factory ventilation efficiency by up to 90~97%.</p> <p>2. (Fig. 3-2) Wall mounted negative pressure ventilation system (Elbow type) To prevent from exhausting the hot air to the neighbors, wall mounted negative pressure ventilation (Elbow type) is a good solution to allow the hot air to be discharged either upward or downward. This is also an environment-friendly ventilation system. It effectively improves the factory ventilation efficiency by 85~95%.</p>
3-2 Wall mounted ventilation system(elbow type) 		
Roof Mounted Ventilation System		
4-1 Roof mounted ventilation system (FRP molded in one piece) 		<p>3. (Fig. 4-1) Roof mounted negative pressure ventilation system In case a wall mounted negative pressure ventilation system is not applicable, then roof mounted negative pressure ventilation system is specially designed for roof mounted applications. First of all, build a base, then install the FRP exhaust fan to solve the problem once and forever. The roof mounted exhaust fan extracts the contaminated or grease laden air out of the roof. This is also an environment-friendly ventilation system.</p> <p>4. (Fig. 4-2) Negative pressure ventilation system The FRP exhaust fan shown in Fig. 4-1 is molded in one piece. It offers the characteristics of dependability, durability, good looks and is water and typhoon proof. However, FRP costs a lot more. An exhaust fan made of C type steel should be a pricewise choice. However, the exhaust fan made of C type steel is not as durable as that of FRP. The painted plates may crack and cause leaking after several years of use. To ensure that the system will function properly, maintenance and care are absolutely necessary.</p>
4-2 Roof mounted ventilation system(Steel case) 		
Roof Mounted ventilation system 		Roof Mounted Forced Ventilation System <p>The external air is drawn in by mechanical systems. One doesn't have to concern himself with how hard the wind is blowing and from what direction. The operating efficiency depends on the height of the building.</p> <p>It effectively improves the ventilation efficiency by 50~90%.</p>

We offer cooling pad, negative pressure ventilation system for all kinds of plant:



To make sure the best quality of KOLOWA Fan, you may choose order KOLOWA Fan with our logo of KOLOWA(LR54-3DS) from local agent.

LR54-3DS 48" FRP EXHAUST CONE FAN

Sizes : 146x146x80cm
 Weight : 72 kgs HP : 2 HP
 Blade : 48" SMC or Aluminum Propeller
 Capacity : 46,500CMH 27,385CFM

1. DIRECT RUN, WITHOUT BELT.
2. CAN USE 10-20 YEARS, NO NEED TO MAINTENANCE.
3. ALUMINUM ALLOY HUSK MOTOR.
4. CAN EXTRA USE REGULATOR. TO REGULATE SPEED. SMC Propeller is correspond to EU RoHS Standard.

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