



MADE IN TAIWAN

SINCE 1966

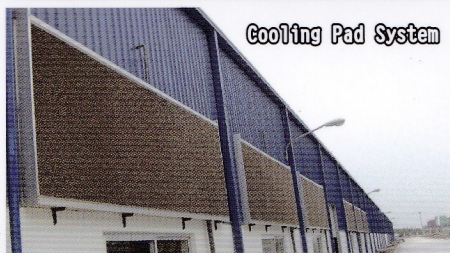
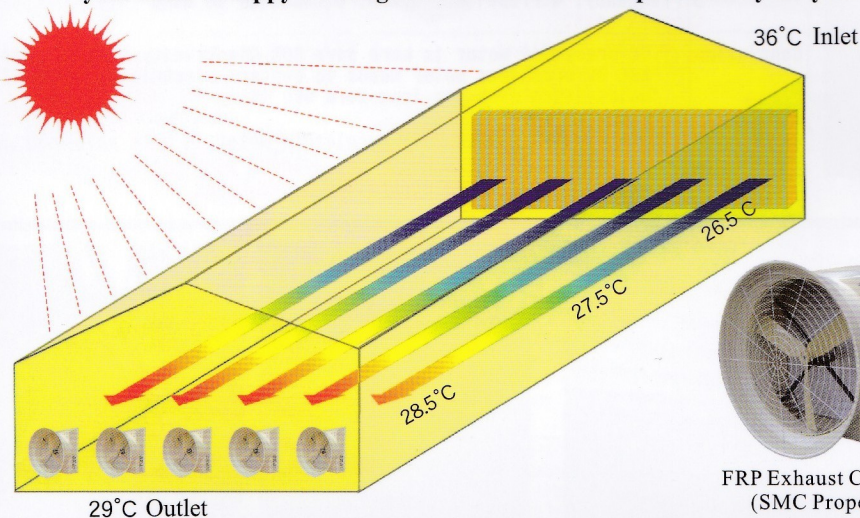
台灣 九龍灣  
TAIWAN KOLOWA



## THE PLANT(FACTORY BUILDING) NEEDS TO BREATHE (VENTILATION) FACTORY NEGATIVE PRESSURE EXHAUST HEAT SYSTEM FANS VENTILATION COOLING SYSTEM

### KOLOWA FACTORY BUILDINGS FANS VENTILATION COOLING SYSTEM

"We can't work in this heat!" The factory workers complained. This problem can be effectively solved by installing the Kolowa Fans Ventilation Cooling System. This system involves sealing the room, installing cooling pads and ventilators. With the exhaust system, fresh air coming through the cooling pads lowers down the room temperature while hot, stale air is extracted via the ventilators, thus creating a comfortable working environment for you and your staff. A happy working force means increased productivity for your company.



FRP Exhaust Cone Fan  
(SMC Propeller)



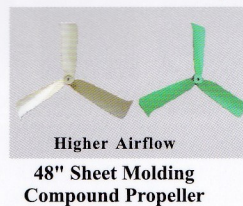
Movable Fan



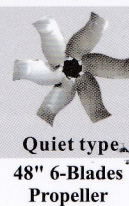
FRP Exhaust Cone Fan  
(6-Blades Propeller)



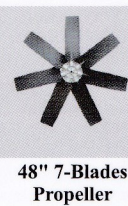
Cooling Pad



Higher Airflow  
48" Sheet Molding  
Compound Propeller



Quiet type  
48" 6-Blades  
Propeller



48" 7-Blades  
Propeller

1. Environment Control and energy-saving.
2. Protects the environment and benefits workers' well-being.
3. Enhances work efficiency.
4. Provides a cooling working environment.
5. Removes excessive moisture.
6. Removes excessive heat.
7. Reduces dust.
8. Restricts the accumulation of pernicious gases.

### KOLOWA COOLING SYSTEM ELECTRIC CONSUMPTION

Factory Dimension: 40M x 60M x 4M=9,600M<sup>3</sup> 40M x 60M=2,400M<sup>2</sup>

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:

24units of Fans & Cooling Pads Materials & Installation

@ USD3,700/unit=USD88,800 (total cost)

Note: Excluded of Technical consultant &  
Shipment Cost.

