Mini Evaporative Cooler
Without compressor and refrigeration gas



SK-50

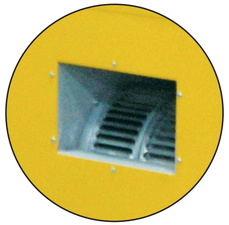
Metal housing with double inlet centrifugal fan

Ideal cooling solutions in houses

- Suitable for between 25 to 50m² places
- Special designed as household.
- High eficiency cellulose corrugated form cooling pads
- Fan-speed regulation optional
- Easy and quick installation
- Quick interfere without screwing
- Maintenance friendly
- Low noise level
- Free blowing or air duct connectable
- Extremely low energy consumption
- %100 fresh air handling and air filtration
- Balance humidity level
- Big air volume at lowest pressure drop
- Environment friendly, no refrigeration gas- no compressor are needed
- Protection grid for pads standard
- By wheels available

maximum freshness

minimum expences



Double suction radial fan



Evaporative cooling and humidifying

Summer heat can cause indoor conditions to become much hotter than desired. Evaporative cooling is the most economical method to reduce temperatures inside of buildings by natural way.



Cooling pad
Produced by Dipaz.
High water absorbtion,
high efficiency,
rigid&durable.



Integrated textile production





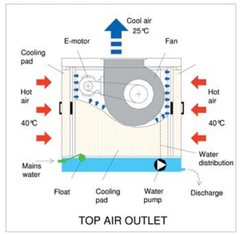
Air distribution by plenum

Duct connectable types with top, side or bottom air outlet of Dipaz evaporative coolers are available in different capacities.

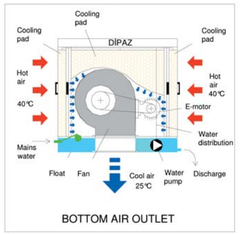
Model	Air Volume m^3/h	Air outlet direction	E-Motor kW	E-Supply	Dimension Width x Length x Height (mm)
SK 50	2000	side	0,4	220V ~ 50Hz	780 x 580 x 780
SK 75-2-3	4.860	side	0,37	220V ~ 50 Hz	830 x 830 x 990
SK 75-2-4	6.480	top	1,1	220/380V ~50 Hz	1000 x 1000 x 990
SK 100-3-3	9.720	side	2,2	220/380V ~50 Hz	1135 x 1135 x 1235
SK 100-3-4	12.960	top	3	220/380V ~50 Hz	1135 x 1135 x 1235
SK 150-3-3	14.580	side	3	220/380V ~50 Hz	1220 x 1220 x 1720
SK 150-3-4	19.440	top	4	220/380V ~50 Hz	1220 x 1220 x 1720
SK 150-4-3	24.300	side	4	220/380V ~50 Hz	1620 x 1620 x 1720
SK 150-4-4	32.400	top	5,5	220/380V ~50 Hz	1620 x 1620 x 1720

Specification subjects to change without notice

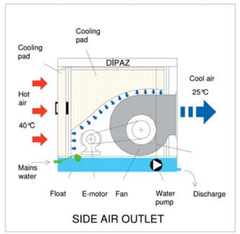
Air Outlet Directions



TOP AIR OUTLET



BOTTOM AIR OUTLET



SIDE AIR OUTLET

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DİPAZ

SK EVAPORATIVE COOLER



Evaporative cooling and humidifying

When outside temperature increases, most of the buildings with inadequate ventilation become unbearably hot and stuffy. This problem is compounded in industrial premises into which direct sunlight can penetrate causing the building to behave like a greenhouse. In addition, lots of machines increase the heat level inside. Researches have shown that staff productivity falls 3-4% for every degree above 22°C and nearly 5% over 32°C. In most of the industrial production areas high environmental temperature causes damages in machines and brings lots of problems with it.

Dipaz Evaporative Coolers ensure high cooling efficiency for those kind of buildings even in high relative humidity conditions. On the other hand, running costs are a fifth of a conventional airconditioning with compressor.

Major components of Dipaz Evaporative Cooler are water saturated cooling pads, water pump, water distribution system, water reservoir and fan all together.
The pump supplies the water to the pads and they will be kept wet. When hot and dry air induced through wetted pad surface by fan, it will be humidified and cooled. Water absorbs latent heat from the surrounding air when it evaporates. While the relative humidity of entired hot and dry air increases, intake air temperature decreases. Required ideal ambient moisture level will be also reached. For a better result evaporative cooler will be placed outside and connected inside of the building by an air duct.

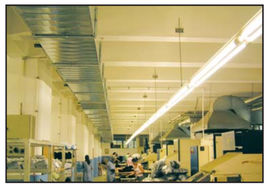
Benefits & Advantages

- %80 less energy usage as compared to an airconditioner
- %75 less investment costs. Your Investment pays off quickly
- Offers effective, high quality cooling at an extremely low operational cost
- Increases worker productivity by making the environment more comfortable
- Elimination of warm, fumes, smoke, unpleasant smells from inside of building
- Environment friendly. No refrigeration gas and no compressor are needed
- Low CO_2 emission because of low energy consumption
- Allowed %100 fresh air handling and air filtration
- It balances the humidity level of the air at the same time
- No pulverisation, drip-free operation. Excellent direct evaporation on the cooling pad surface.
- Back-up or assistant when the conventional cooling system is inoperable
- Ducting can uniform distribution of cooler air
- Easy and quick installation
- Easy maintenence by take off and take on of cassette pads without bolt and nut
- Maximum durability
- With high capacity centrifugal fans lowest pressure drop
- Large products range 2.000 m^3/h ÷ 32.400 m^3/h



Easy to install by an air duct connection


PVC/PU based leather production


Air distribution by prismatic or spiral round air duct


Air distribution by air nozzles



Cooling of the condenser air of an air cooled chiller improves the efficiency and saves energy

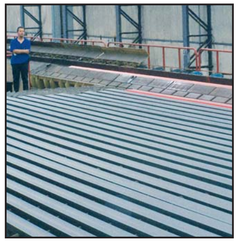

Exhibition area cooling


Sock production

Cooling Pad

As a cooling media are used to evaporative cooling pads. Their production right is reserved under Turkish Patent Pending TR2001 01619Y by Dipaz, which are derived from pure cellulose sheets, impregnated with special resins, pressed corrugated and sticked together. Therefore, they keep rigid and high water absorbency and high cooling capabilities. Dipaz cooling pads are improved by Turkish engineers after serious research and developments.

Dipaz cooling pad allows air and water in a very small place large contact surface with lowest pressure drop - so that the water evaporates inside - resulting in cooler air which is transfered through the building.
The cooler air is also %100 fresh and filtered.
The dryer the air the faster the water evaporates and the higher the temperature reduction by evaporative cooler.


Iron foundry production

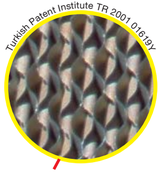

Sock fabric

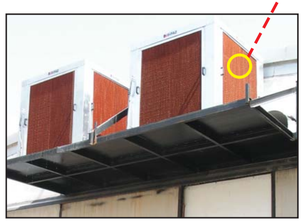
Applications

- Factory
- Workshop
- Large production areas
- Textile (weaving, yarn, dying, knitting)
- Textile (garment)
- Industrial oven & drying plant
- Foundry
- Exhibition
- Meeting hall
- Store, warehouse
- Shopping mall
- Supermarket
- Office
- Sport hall
- Restaurant, cafe, bar
- Disco & night club
- Hotel, holiday village
- Bank
- Tent
- Farm
- Barrack
- Mosque, church
- Industrial kitchen
- Power plant
- Space cooling


Cotton wieving


Textile garment




Cotton wieving


Textile garment


On request automatic control panel avaailable

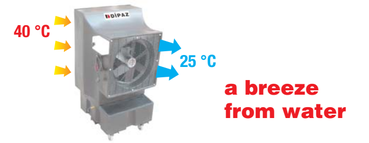
Mobile Evaporative Cooler

Mobile type of evaporative cooler ensure very fllexible applications in open and closed areas.
In workshop, garden, house, cafe, restaurant, arround, swimmingpool, holiday village, sport facilities and similar places..

Whereever you are..
Very easy to use and economical!











Technical Specification	SK 16	SK 36
Air volume	4.200 m3/h	18.000 m3/h
Fan motor	250 W/220V; 50-Hz	600 W/220V; 50-Hz
Fan diameter	16"	36"
Dimension (mm) LxWxH	680x600x1255	1625x800x1835
Water pump motor	370 W / 220V; 50 Hz	
Others	Axial fan with low noise level	
	Fan motor speed regulation (optional)	
	Wheels with stopper	
	Polyethilene housing against corrosion	
	1/2" water inlet, with float level control	