



(Evaporative Cooling)²



SUPERCOOL
series

Indirect - Direct
(TWO STAGE)
Evaporative
Coolers



EVAPORATIVE COOLING SOLUTIONS

ARCTIC™ Indirect - Direct Evaporative Cooling (IDEC) Systems

Indirect - Direct Evaporative Cooling (IDEC) systems provide most Economical Cooling Solutions for:

- ❄ Industrial & Commercial Spaces.
- ❄ Utilize natural resources i.e. Air & Water for cooling the air.
- ❄ More cooling with less moisture addition in air.
- ❄ Maintain Indoor Air Quality (IAQ)

Advantages of IDEC Systems

❄ Think Green, Think Fresh

- ☑ Care for Environment.
- ☑ Best Possible Indoor Air Quality and 100% Fresh Air.
- ☑ No Harmful Refrigerants.

❄ Think Savings

- ☑ Small Investment.
 - ✓ Low Capital cost.
 - ✓ Low Running cost - Drastic Reduction in Operational Cost (80%) Compared to Conventional Air-conditioning.
 - ✓ Less Energy consumption.

❄ Significant Increase in Productivity.

❄ Healthy Spaces.

❄ Door and Window can be left open.

❄ 5 - 6°C cooler air than Direct Coolers.

IDEC Systems are suitable for :

- ☑ Providing Cooling Solution for large spaces in Warm & Tropical Weather Condition.

❄ Smart Operation Modes available for All Year Round Comfort

- ☑ Ventilation mode.
- ☑ Single Stage Indirect Cooling,
- ☑ Two Stage Indirect + Direct Cooling.



Economical



Environment Friendly



Energy Efficient



Manufacturing Industries



Warehouses



Indoor Stadiums



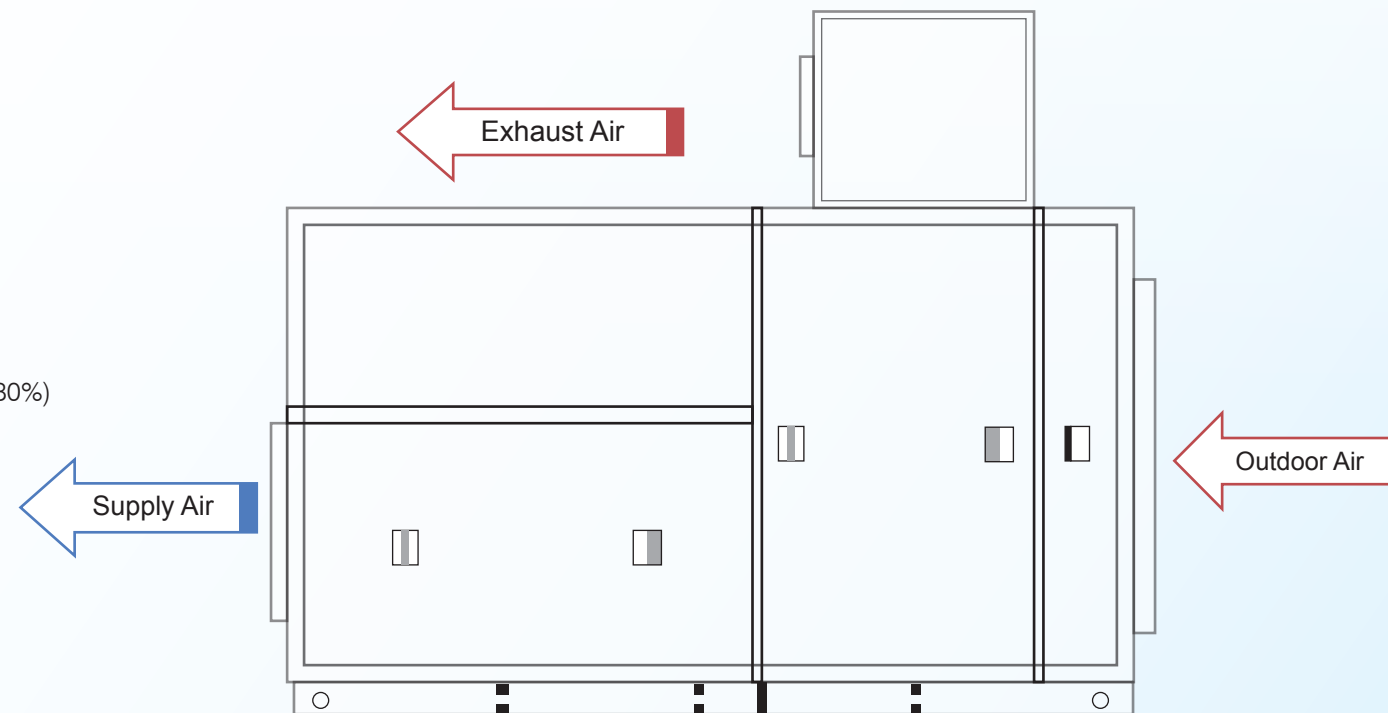
Distribution Centers of FMCG's.



Training Areas



Stadium Seating Areas

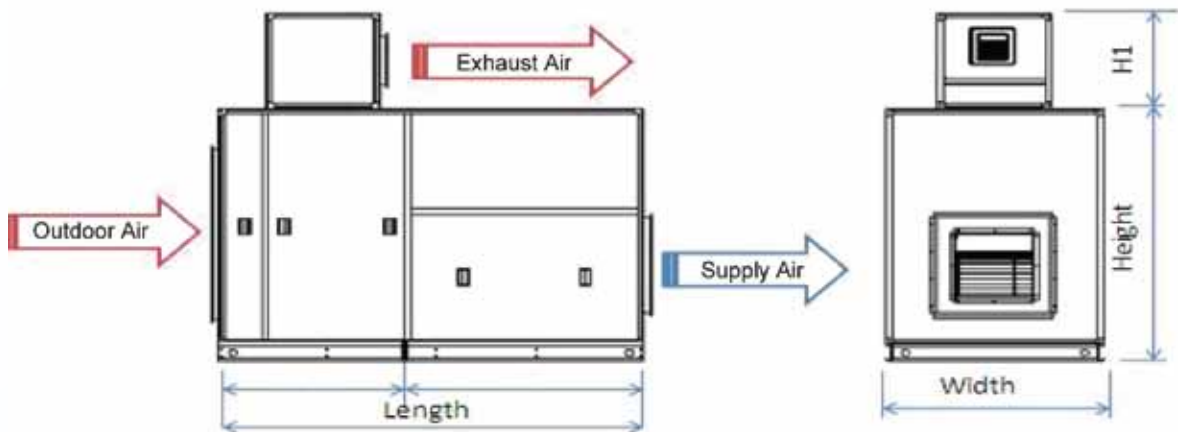




IDEC SUPERCOOL series

Model DSC 40 & DSC 100

- * Extruded Aluminium Profile frame.
- * Double Skin Casing made of PPGI sheet.
- * 25 mm thick panels with Fiber glass insulation (40 kg/m³).
- * Available in 2 sizes, with air flow range of 1.8-4.8 m³/s.
- * DIDW high efficiency centrifugal dynamically balanced fans.
- * The heat exchanger is made of engineered polymer.
- * Duct connection frame.
- * No chemical refrigerants or Ozone depleting chemicals.
- * High efficiency (90% +) long life Ecocool Evaporative Cooling Pads.
- * Provided with water intake and drain water pipe lines.
- * High technology, polymer heat & mass exchanger.
- * Option of running as Direct & Indirect Evaporating Cooling mode.



Model	Air Flow Capacity		Supply Air Motor	Working Air Motor	Pump	ESP	Over All Dimensions			
	CMH	CFM	KW	KW	kw	(pa)	Length	Width	Height	H1
DSC - 40	6800	4000	3.7	0.75	0.3	200	1790	1100	1460	200
DSC - 100	17000	10000	7.5	1.1	0.75	200	2685	2400	1600	805

Note : Because of our policy of continous product improvement specification are subject to change without notice.

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