



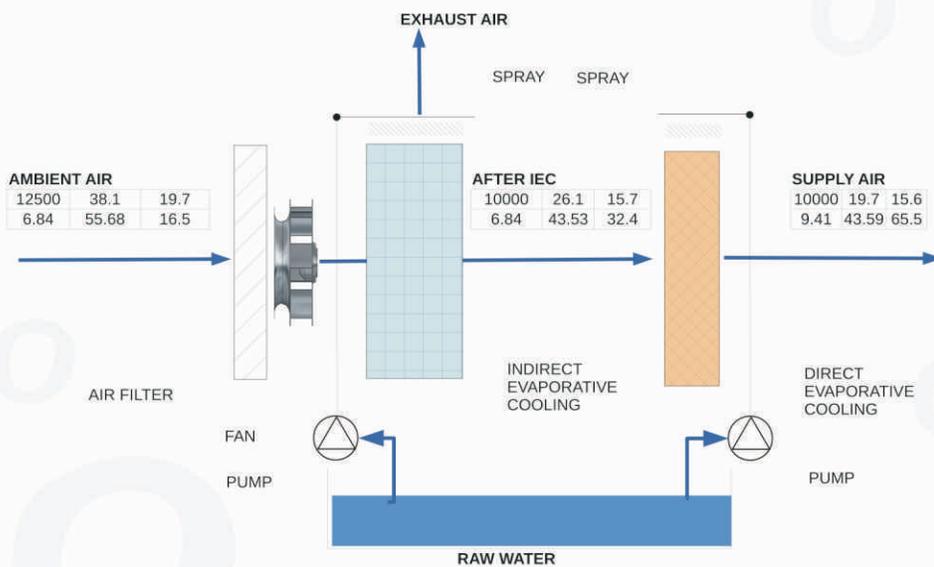
SAVE ENERGY !

Up to 50% saving in power and water compared to single stage systems



How it works?

SINGLE PATH INDIRECT DIRECT AIR HANDLING UNIT



Indirect evaporative Cooling

The enhanced layout tools, text improvements, new design assets, redesigned user interface, and improved workflow can boost your productivity and give you a more enjoyable work experience. The enhanced layout tools, text improvements, new design assets, redesigned user interface, and improved workflow can boost your productivity and give you a more enjoyable work experience.

direct evaporative Cooling

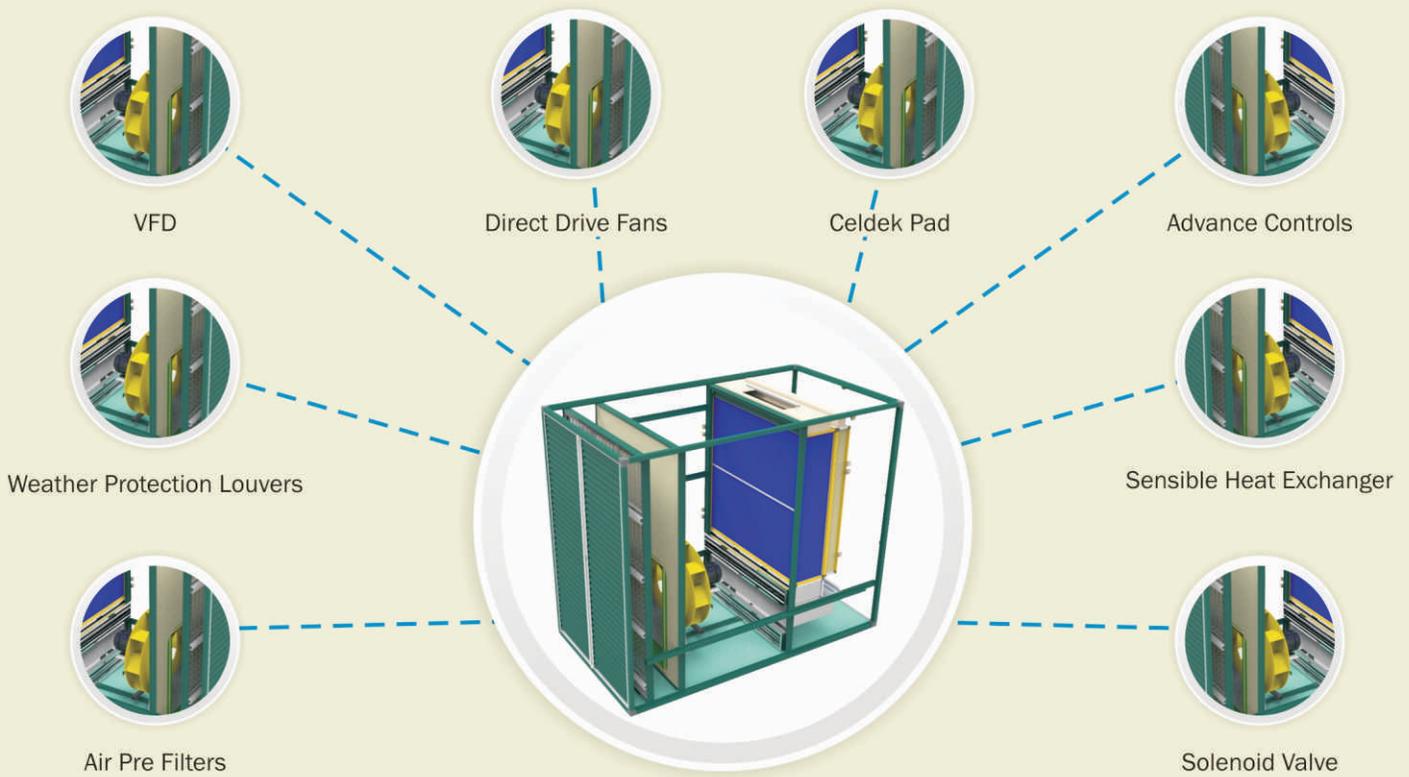
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Advantages of Ambiator

- Blow Thru Design
- No Scavenger Fans necessary
- Direct Drive Fans
- External Panels made of Corrosion Free ACP Sheet
- Complete structure made of Aluminium
- Bacteriostatic coating on heat exchanger
- VFD Controlled Fans

Salient Features

- No return air required - Improves indoor air quality (IAQ)
- Using sensible cooling prior to adiabatic cooling further reduces the supply air temperature
- Comparatively less air quantity required than single stage system for same cooling effect which reduces the power and water consumption



Toro ambiator unit dimation

No	CFM	Length	Width	Height	Weight	No of fans	Fan kw
1	7000	3550	1350	3100	650	1	3.7
2	14000	3550	2700	3100	1300	2	3.7
3	21000	3550	4050	3100	1950	3	3.7
4	29000	3550	5400	3100	2600	4	3.7
5	36000	3500	6750	3100	3250	5	3.7
6	43000	3550	8100	3100	3900	6	3.7
7	11000	3550	1950	3100	760	7	5.5
8	22000	3550	3900	3100	1520	8	5.5
9	33000	3550	5850	3100	2800	9	5.5

Supply Air Temperature

City	Ambient Air		Supply Air	
	Dry bulb temp	Wet bulb temp	Indirect (Stage1)	direct (Stage2)
Pune	38.4	20.5	27.7	18.6
New Delhi	41.8	23.6	30.9	22
Kolkta	37.6	28.4	32.1	27.9
Chennai	38.4	26.2	31.1	25.4
Hyderabad	40.4	22.5	29.7	20.9
Bangalore	34.7	19.5	25.6	17.8
Ahmedabad	42.3	24.1	31.4	22.6
Mumbai	35.3	23.5	28.2	22.5
Surat	38.4	22.7	29	21.3
Nagpur	43.8	23.6	31.7	21.8

Two Stage Chart

