



azar **nasim**
AIR CONDITIONING COMPANY

Zent



Introduction

"Zent" is a cost-effective air conditioning device which can provide the relatively summer conditioned air by passing fresh air through evaporative pads. In winter a combination of returned indoor air and fresh air, after passing through a washable aluminum filter, first would be cleaned and then pass over a hot water heating Coil (electrical or steam coil can be used) and warms. In winter conditioned warm air humidity may increase by different alternatives.

Zent Room

"Zent" would install in an indoor area where could be referred to as "Zent Room". The most appropriate place for the "zent Room" is the center of the building that provides the possibility of entrance of the fresh air through a window and entrance of the returned air through a damper, to "zent Room". "Zent Room" ought to contain enough space for supply channels and its floor has to be isolated against water and have drainage, and it is better that the walls are acoustic.

"Azar Nasim Zents" Advantages:

1. Variety

Vertical and horizontal models are designed and manufactured with compact dimensions.

2. Fan Controller

It is possible to use an inverter for fan speed control. This makes lower current costs. Longtime electromotor life and setting of unit working point.

3. Elimination of radiators and heating pipe lines

Decorativeness, saving space , decrease repair costs.

4. Adjustable Dampers

Changing the summer system to the winter system, air flow rate control and the possibility of humidifying the winter's hot air

5. Washable Aluminum Filters

Clean air; increasing the efficiency of heating coil, indoor air quality and long lasting unit.

6. Coil is placed inside "Zent"

Less heating loss, more safety

7. Basin Fiberglass Cover

Long lasting life and elimination of bacteria

8. Very easy Service

No needs of professional repairman

9. Fan

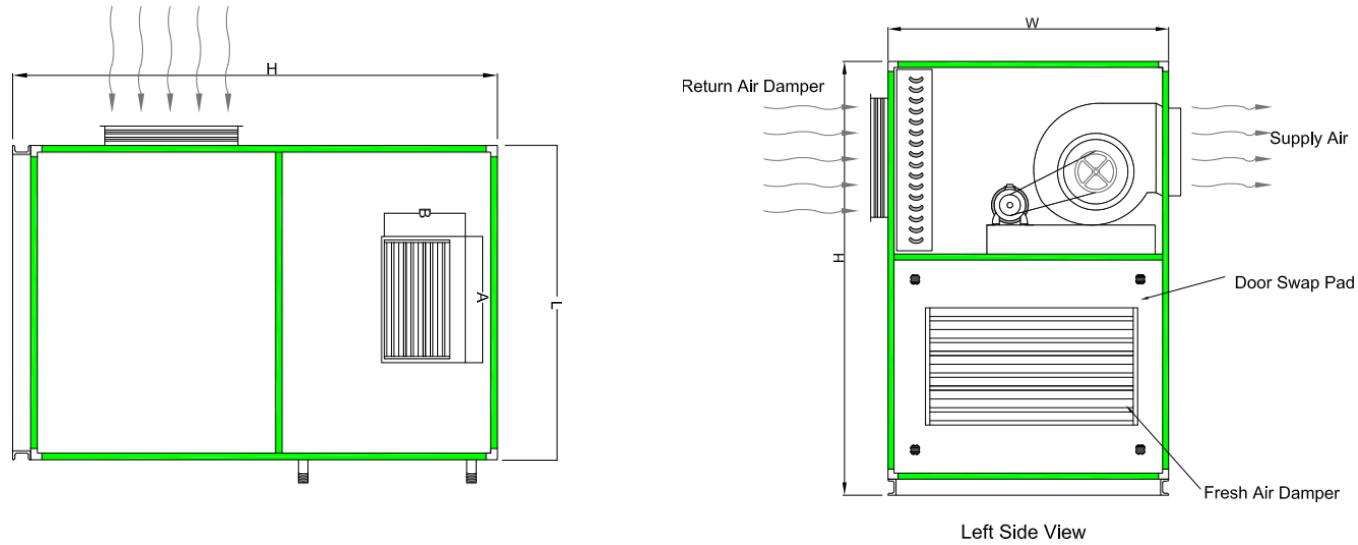
Statically and dynamically balance and low noise fan.

10. Pump

Device is equipped with sump pump for water circulation in the summer.

Commented [R1]:

Table 1-Technical Data														
Model	Capacity		Chaff		Fan diameter	Data Electrical			Total static pressure	Hot Water Pressure Drop	Connections		Approximate Weigh	
	Heating Cap. Btu/hr	Air Flow Rate (CFM)	Area	Water evaporation	Φ	Power	Speed Fan	phase	In-W-g	Ft-W-g	water Hot	Floater	Kg	
			²m	Lit/hr	mm	HP	RPM	V			Inch		Wet	Dry
	15-50	50000	1500	1.15	6.5	310	2/1	1400/900	phase Single/Three	0.7	0.6	0.7	8/3	180
20-70	70000	2000	8.7		4/3		0.81			0.8	0.81	182		292
27-75	75000	2700	11.7		4/3		0.9			0.9	0.9	185		295
32-85	85000	3200	1.6	13	400	4/3	0.7			1.2	0.7	8/3	220	320
45-140	140000	4500		19.3		1 1/2	0.9			1.6	0.9		225	325
60-160	160000	6000		25.8		3	0.7			2	0.7		230	330
70-190	190000	7000	3	30	450	3	0.7		3.6	0.7	2/1	460	660	
80-230	230000	8000		34.5		3	0.98		3.9	0.98		465	665	
90-280	280000	9000		38.5		4	1		4	1		470	670	
100-320	320000	10000	3.5	43	500	5.5	phase Three		1.1	4.2	1.1	2/1	545	785
120-360	360000	12000		52		5.5			1.2	4.5	1.2		550	790
140-400	400000	14000		56		7.5			1.3	4.7	1.3		555	795
160-440	440000	16000	4.7	65	560	7.5			1.3	5.1	1.3	2/1	645	960
175-470	470000	17500		70		10			1.5	5.2	1.5		655	970
190-500	500000	19000		75		10			1.6	5.5	1.6		660	975
200-570	570000	20000	5.2	80	630	15			1.5	5.7	1.5	4/3	790	1200
215-600	600000	21500		85		15			1.7	6.2	1.7		792	1202
200-700	700000	23000		90		15			1.9	6.6	1.9		796	1205
240-730	730000	24000	6.2	95	710	15			1.9	7.2	1.9	4/3	900	1400
250-750	750000	25000		100		15			2.1	7.9	2.1		905	1405
260-800	8000	26000		105		20			2.3	8.3	2.3		915	1415



Dimensions	Height	mm	1900	2100	2550	2700	1950	2150	2310
	Width		700	850	1200	1200	1400	1500	1500
	Length		900	1100	1720	1720	3000	3300	3600
	A		400	375	630	670	800	870	870
	B		345	400	630	670	800	870	940

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