



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.

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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.


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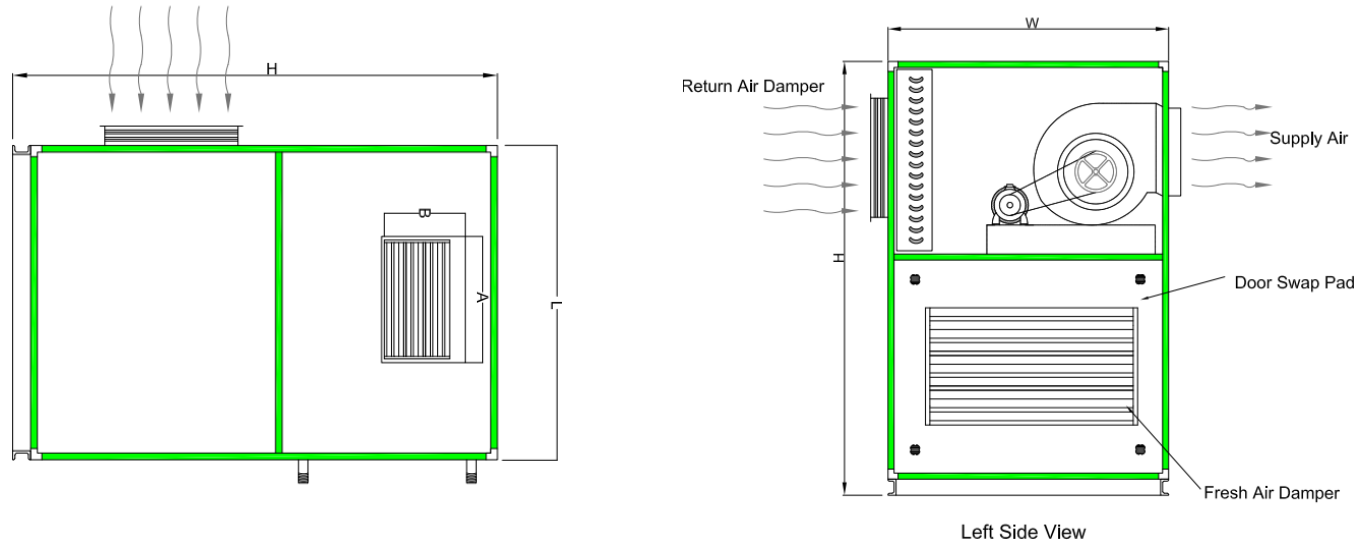
تهران، کیلومتر ۲۱ بزرگراه لشگری (جاده مخصوص کرج)

روبروی پالایشگاه نفت پارس، پلاک ۱۲

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
	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	290
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	13	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	1400/900		phase Single/Three	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	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	65	560	7.5				phase Three	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	80	630	15	phase Three		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	95	710	15			phase Three	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		

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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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