Profile ≦ Fan Convector Series

internal "Heatpack" section mounted to a well designed back

chassis. All components are then enclosed under a shroud (cover)

which is made of high grade zinc coated steel painted with a dove

MODELS PSU 10/15/23/30/40

MODEL 'A' Dim.

PSU 23 41%16"

PSU 15 301/2"

PSU 10 181/4"

~3⁵⁄16″

END VIEW

61/2

203/4

End View

45/16

8%

SUBMITTAL DATA INFORMATION

Engineering Specifications Construction. All PSU fan convectors are constructed of an

grey baked enamel finish.

trols integrally mounted.

and open at 90°F+/-3°F.

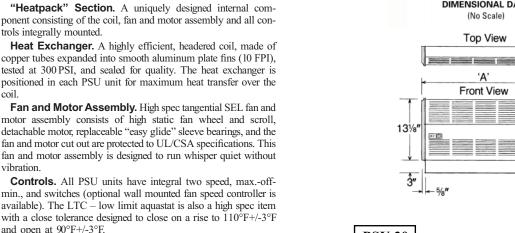
coil.

vibration.

Job Name:

Engineer: _

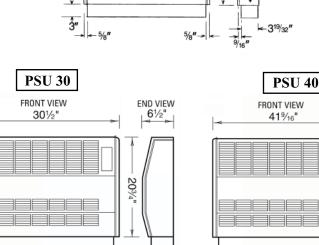
Model Number:



Water Connections. Supply and return connections are 1/2" sweat connections located on the left hand side of the unit as you face the grille. A water vent with wide convenient screwdriver slot is accessible on the left of the unit underneath.

Electrical Connections. 120/60/1 power supply is required. The cover shroud (i.e. the cover) must be removed to bleed the unit.

MODEL			CUBIC FT./MINUTE		
	UNIT WEIGHT	WT. PACKED	MAX.	MIN.	
PSU-10	24.6 lbs.	28 lbs.	75	50	
PSU-15	33 lbs.	37 lbs.	140	100	
PSU-23	44 lbs.	50 lbs.	210	150	
PSU-30	37.75 lbs.	45.25 lbs.	270	196	
PSU-40	53.56 lbs.	62.86 lbs.	378	275	



DIMENSIONAL DATA

OUTPUTS

Capacity BTU/HR @ 65°F Entering Air												
Model	Fan Speed	Pressure Drop (Ft.)	ENTERING WATER TEMPERATURE (Deg. F.) - BTU/Hrs. 140° 150° 160° 170° 180° 190° 200° 210°							210°		
PSU-10	max. min.	2.75	4278 2994	5325 3727	6192 4334	7024 4915	7957 5570	9081 6350	9736 6810	10598 7415		
PSU-15	max. min.	3.07	5120 3580	6255 4375	7382 5163	8933 6250	10590 7412	12250 8575	14349 10040	15430 10800		
PSU-23	max. min.	3.82	8790 6150	10932 7651	13070 9145	15210 10645	17370 12160	19500 13645	21530 15072	23820 16675		
PSU-30	max. min.	4.6	10050 7030	12750 8900	15800 11020	19150 13380	22000 15350	24900 17400	27750 19425	30450 21310		
PSU-40	max. min.	4.6	19720 17000	21384 18250	23166 20050	25300 23008	29402 25200	31600 27055	35640 29184	40700 31040		

NOTES:

1. PSU 10, 15 & 23 capacities based on 2 gpm correction factors for: .5 gpm = .80; 1.5 gpm = .96; 2.5 gpm = 1.07; 3 gpm = 1.12; and 5 gpm = 1.23. PSU 30 & 40 capacities based on 3 gpm correction factors for: 1 apm = .85; 5 apm = 1.18.

2. Aquastat set to close on a rise to 110°F and to open on a drop to 90°F.

3. It is recommended that selections be made at low speed at the desired water temperature.

Smith's

ENVIRONMENTAL PRODUCTS

300 Pond St., Randolph, MA 02368 ~ (781) 986-2525 www.smithsenvironmental.com

Contractor: