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.

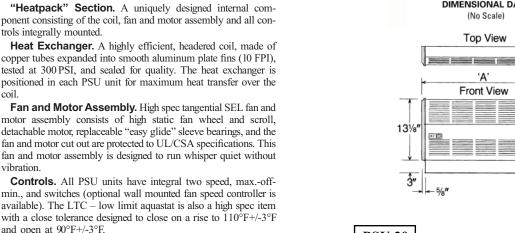
coil.

vibration.

Job Name:

Engineer: _

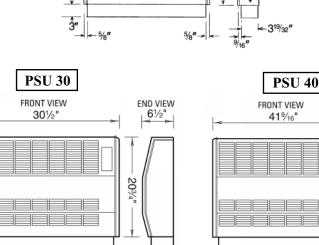
Model Number:



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: