

# Advanced Acoustical Inlet Cone

NO. 420-12

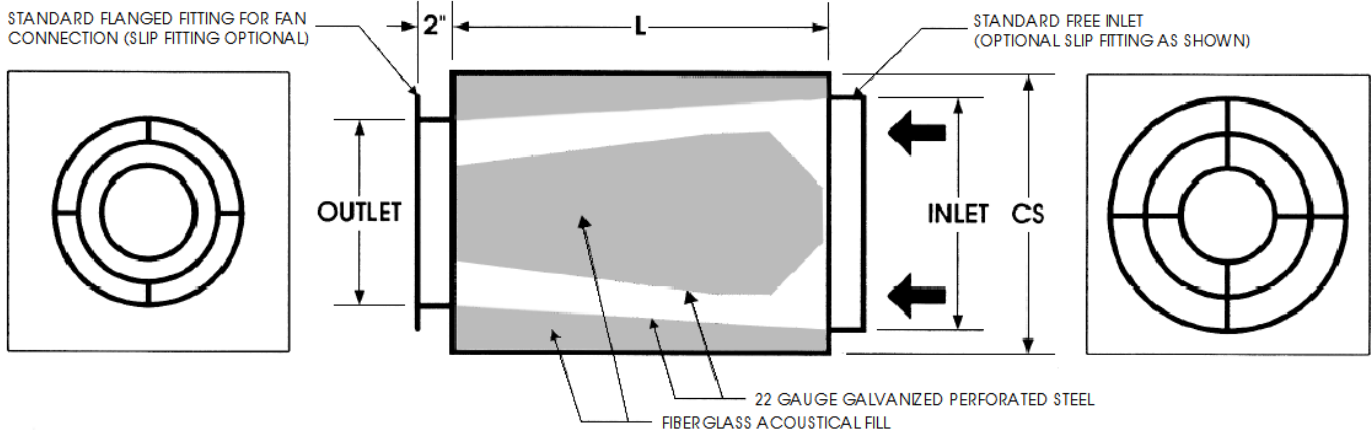


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A DIVISION OF METAL FORM MANUFACTURING

## FOR WOODS VAROFOIL FANS

Supersedes NO. 420-97



### ROUND INLET

| MODEL NUMBER | OUTLET DIA. | INLET DIA. | CASING SIZE | LENGTH | MAXIMUM CFM | SILENCER SIZE CLASS |
|--------------|-------------|------------|-------------|--------|-------------|---------------------|
| AAIC-W63R    | 24.75       | 51         | 58          | 50     | 18000       | A                   |
| AAIC-W71R    | 28          | 57         | 64          | 55     | 23000       | A                   |
| AAIC-W80R    | 31.5        | 64         | 71          | 61     | 29000       | B                   |
| AAIC-W90R    | 35.5        | 73         | 80          | 71     | 37000       | B                   |
| AAIC-W100R   | 39.5        | 81         | 88          | 78     | 46000       | B                   |
| AAIC-W112R   | 44          | 90         | 91          | 86     | 57000       | C                   |
| AAIC-W125R   | 49.25       | 101        | 108         | 97     | 71000       | C                   |
| AAIC-W140R   | 55          | 113        | 120         | 109    | 89000       | D                   |
| AAIC-W160R   | 63          | 128        | 135         | 122    | 116000      | D                   |
| AAIC-W180R   | 71          | 145        | 152         | 139    | 147000      | D                   |

FOR LARGER FANS, PLEASE CONSULT FACTORY

| SILENCER SIZE CLASS | DYNAMIC INSERTION LOSS, dB (@ 1500 fpm)<br>OCTAVE BAND CENTER FREQUENCY |     |     |     |      |      |      |      |
|---------------------|---|-----|-----|-----|------|------|------|------|
|                     | 63  | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 |
| A                   | 2   | 6   | 12  | 21  | 25   | 25   | 14   | 11   |
| B                   | 3   | 10  | 16  | 23  | 25   | 25   | 14   | 11   |
| C                   | 7   | 14  | 19  | 28  | 28   | 22   | 20   | 14   |
| D                   | 9   | 18  | 18  | 31  | 31   | 28   | 20   | 20   |

FOR EACH +1500 FPM OVER 1500, ADD +1 dB PER BAND