

Product Selection

**Face Options**

30° Angle Diffusion



Flat Diffusion



**Size Options**

50 ton      30 ton      20 ton      10 ton  
40 ton      25 ton      15 ton      5 ton

| Size (ton) | Nominal CFM at 0.5" SP | Sq. Inlet Size (in) | Top Dia. (in) | Depth (in) | 30° Bottom Dia. (in) |
|------------|------------------------|---------------------|---------------|------------|----------------------|
| 50         | 20,000                 | 54                  | 94            | 20         | 70                   |
| 40         | 16,000                 | 48                  | 86            | 20         | 62                   |
| 30         | 12,000                 | 42                  | 78            | 15         | 60                   |
| 25         | 10,000                 | 38                  | 72            | 15         | 54                   |
| 20         | 8,000                  | 34                  | 66            | 15         | 48                   |
| 15         | 6,000                  | 30                  | 60            | 15         | 42                   |
| 10         | 4,000                  | 24                  | 52            | 15         | 34                   |
| 5          | 2,000                  | 18                  | 44            | 15         | 26                   |

**Throw Options**

Regular Throw

| Size (ton) | 0.5" SP 150 fpm | 100 fpm | 50 fpm | NC Level |
|------------|-----------------|---------|--------|----------|
| 50         | 38              | 57      | 91     | 70       |
| 40         | 38              | 57      | 91     | 63       |
| 30         | 38              | 57      | 91     | 56       |
| 25         | 38              | 57      | 91     | 51       |
| 20         | 38              | 57      | 91     | 46       |
| 15         | 38              | 57      | 91     | 43       |
| 10         | 34              | 51      | 82     | 40       |
| 5          | 19              | 28      | 45     | 37       |

Extended Throw

| Size (ton) | 0.5" SP 150 fpm | 100 fpm | 50 fpm | NC Level |
|------------|-----------------|---------|--------|----------|
| 50         | 61              | 91      | 146    | 70       |
| 40         | 61              | 91      | 146    | 63       |
| 30         | 61              | 91      | 146    | 56       |
| 25         | 61              | 91      | 146    | 51       |
| 20         | 61              | 91      | 146    | 46       |
| 15         | 61              | 91      | 146    | 43       |
| 10         | 53              | 80      | 128    | 40       |
| 5          | 28              | 43      | 69     | 37       |

**Hardware Options**

- Standard
- Stainless Steel  
(Additional charges apply)

**Inlet Options**

Square (Standard)  
Round

**Fabric Type Options**

Standard Porous  
Custom \_\_\_\_\_  
(Additional charges may apply)

**Fabric Color Options**

- Black
- White
- Silver
- Tan
- Green
- Blue
- Red
- Custom \_\_\_\_\_  
(Additional charges may apply)



## FEATURES

- **360° Airflow Coverage**  
Not limited the traditional 4 or 6 sides
- **Available with Two Throw Lengths**  
Throws length equal to typical drum diffusers for extended distances
- **Flat or 30° Angle Diffusion Options**
- **Round or Square Top Inlet**  
Square top inlets have edge seal to prevent leakage
- **Stainless Steel Options Available for Caustic Environments**
- **Variety of Fabric Offerings Include:**  
Anti-Microbial  
Custom Colors & Patterns

## FABRIC SPECIFICATIONS

- WEAVE: Fire Retardant Polyester  
Filament/Filament Twill
- WEIGHT: 6.8oz/yd<sup>2</sup> (231g/m<sup>2</sup>)
- POROSITY: 2 CFM/ft<sup>2</sup> at 0.5" w.g. (10.2L/s/m<sup>2</sup> @125Pa)
- CODES:
- Classified by Underwriters Laboratories in accordance with the requirements of:
    - NFPA 90A
    - UL 2518
  - UL-C (Canada)
  - BS 5867 Part 2, 1980
  - GB8624-2006
  - DIN 4102-1



Products may be covered by one or more patents:  
[www.ductsox.com/patents](http://www.ductsox.com/patents)

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