

GREEN SERIES SISDD-EC

Side Intake Filtered Fresh Air Supply Units

FEATURES

- High efficiency direct drive motor for energy efficient low maintenance applications.
- Side intake provides a means to meet supply and exhaust air separation in restaurant applications.
- Easy on-site addition of customer supplied air supply duct extension provides additional separation where necessary.
- Filters designed with large surface area for efficient filtration.
- Green weather resistant baked powder coat finish.
- EC Motor offers true variable speed operation and up to 70% energy savings over PSC motors.

PERFORMANCE SPECIFICATIONS

| MODEL | MOTOR | | | AIRFLOW (CFM @ Static Pressure) | | | | | | | | | | | | | | | |
|--------------|-------|----------------|---------|---------------------------------|------|------|------|------|------|-----|------|------|------|-----|------|--------|------|-----|------|
| | HP | Variable Speed | Max RPM | 0" | | | | 1/2" | | | | 1" | | | | 1 1/4" | | | |
| | | | | High | FEI | Low | FEI | High | FEI | Low | FEI | High | FEI | Low | FEI | High | FEI | Low | FEI |
| SIS9DD050EC | 1/2 | Y* | 1200 | 1600 | - | 750 | - | 1450 | - | 600 | - | 1200 | - | 500 | - | 450 | - | 400 | - |
| SIS9DD100EC | 1 | Y* | 1200 | 2050 | 0.59 | 750 | 1.85 | 1950 | 0.75 | 600 | 1.5 | 1200 | 1.11 | 500 | 1.17 | 450 | 1.07 | 400 | 1.06 |
| SIS10DD050EC | 1/2 | Y* | 1100 | 1975 | - | 1100 | - | 1400 | - | 400 | - | 800 | - | 400 | - | - | - | - | - |
| SIS10DD100EC | 1 | Y* | 1100 | 2500 | 0.61 | 1100 | 1.57 | 2050 | 0.85 | 400 | 1.62 | 1400 | 1.11 | 400 | 1.28 | 750 | 1.23 | 300 | 1.09 |
| SIS12DD050EC | 1/2 | Y* | 1000 | 2600 | - | 1800 | - | 1925 | - | 400 | - | 850 | - | 400 | - | 600 | - | 300 | - |
| SIS12DD100EC | 1 | Y* | 1000 | 3300 | 0.58 | 1800 | 1.25 | 2800 | 0.8 | 400 | 1.37 | 2300 | 0.96 | 400 | 1.07 | 1650 | 1.07 | 300 | 0.92 |

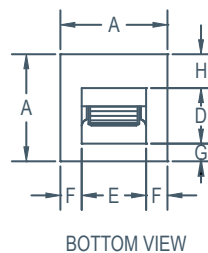
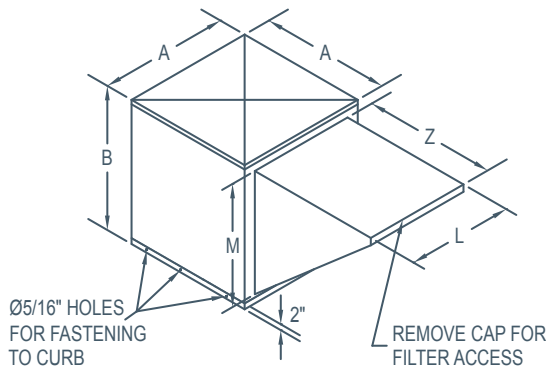
* Minimum motor speed 425 RPM (EC Models)

EC motors can be controlled using the built in potentiometer on motor or by using a 0 to 10 V controller, or by a remote potentiometer.

REVIEW FAN CURVES BEFORE ADJUSTING RPM TO ENSURE LOAD DOES NOT EXCEED MOTOR HP.



DIMENSIONS



| MODEL | A | B | D | E | F | G | H | L | M | Z | FILTERS | | *INSIDE CABINET | UNIT WEIGHT (LBS) (without motors & drives) |
|----------|---------|---------|----------|-----------|---------|----------|----------|---------|----------|---------|---------------------------------|----------|-----------------|---|
| | | | | | | | | | | | SIZE | QUANTITY | | |
| SIS-9DD | 24 3/8" | 19 3/8" | 10 1/4" | 11 13/16" | 6 9/32" | 7 1/16" | 7 1/16" | 19 1/4" | 16 9/16" | 21 1/4" | 16" x 24" x 1" | 1 | 24"x 24" | 70 |
| SIS-10DD | 28 3/8" | 21 3/8" | 11 3/8" | 13 1/8" | 7 5/8" | 8 1/2" | 8 1/2" | 20 1/2" | 18 9/16" | 25 3/4" | 15" x 20" x 1" | 2 | 28"x 28" | 87 |
| SIS-12DD | 32 3/8" | 24 5/8" | 13 7/16" | 15 5/8" | 8 3/8" | 9 15/32" | 9 15/32" | 25 3/8" | 21 9/16" | 30 3/4" | 20" x 25" x 1" & 16" x 25" x 1" | 1 & 1 | 32"x 32" | 117 |

* Curb size to be smaller than inside cabinet to allow for flashing and roofing.

** Includes filter section.