



MoffittCorp.com
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1. Product Name

Moffitt GreenRoo™

2. Manufacturer

Moffitt Corporation
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3. Product Description

Basic Use

The Moffitt GreenRoo is designed for commercial and industrial applications to provide natural ventilation for cooling of spaces that generate low to moderate levels of heat. The Moffitt GreenRoo uses the power of natural convection, as well as harnessing the power of the wind, to properly ventilate a space to achieve desired temperatures and air changes. Because it is a Natural Solution, the Moffitt GreenRoo operates with no electrical operating costs, minimal maintenance and virtually no noise generation making it ideal for applications requiring sustainable design attributes.

The Moffitt GreenRoo has been independently laboratory tested for airflow performance, water resistance and wind loading. The Moffitt GreenRoo is designed to be curb mounted, and optionally can be equipped with motor operated dampers, manual dampers, bird screen or insect screen and urethane epoxy coated. The Moffitt GreenRoo is manufactured from aluminum and stainless steel components for years of maintenance free life and offers architects an aesthetically pleasing look. The Moffitt GreenRoo can also be used in hybrid ventilation systems where supply air is introduced mechanically rather than passively.

Composition and Materials

- Aluminum, corrosion resistant marine grade
- Bearing support, glass filled nylon isolated from the airstream.
- Bearing, double row ball bearing isolated from the air stream
- Shafting, stainless steel.
- Base, curb mount

Features and Benefits:

- Light weight, easy to install
- Aesthetically attractive
- No electrical operating costs
- No noise
- Virtually no maintenance
- Sustainable design, Natural Solution

Sizes

36" diameter

Finishes

Mill finish aluminum. Other finishes available upon request

Accessories/Options

- Bird screen (Not required due to rotating head)
- Insect screen (normally only selected for food grade applications)
- Motor operated damper, 115v/1ph curb mount
- Urethane epoxy powder paint
- Roof curb

4. Technical Data

Applicable Standards

AS 4070:2000

- Discharge coefficient (Cd) 0.63 (Physical Test as per AS4740:2000 Appendix D)
- Flow Coefficient (Cf) 0.17 (Physical Test as per AS4740:2000 Appendix E)
- Rain Resistance Test-No water penetration-Class A-at 112MPH (Physical Test as per AS4740:2000)
- Wind loading 127.5MPH (Physical Test as per AS4740:2000)

5. Installation

1. Apply Sealing tape to Curb
2. Place base flashing/curb cap on to curb
3. Attach to curb as needed
4. Place Throat Over Flashing Flange and Secure with at least (4) Fasteners- Space Equally
5. Place Turbine Head Over Throat and Secure with at least (4) Fasteners- Space Equally
6. Apply an Unbroken Bead of Silicone or Other Sealant to all Lap Areas & Coat all exposed Fasteners with Silicone or Sealant
7. Tape, Silicone & Hardware by Others

6. Availability and Cost

Please contact Moffitt Corporation for pricing. Lead time is two weeks for standard construction.

7. Warranty

Moffitt Corporation warrants this equipment to be free from defects in materials and workmanship for 5 years with a one year warranty on damper motor actuators.

8. Maintenance

The basic design and construction of this natural solution device is virtually maintenance free. All component pieces are manufactured from corrosion resistant materials of aluminum and stainless steel and bearings are permanently lubricated.

1. Based on the above Moffitt Corporation recommends the following;
2. Visually inspect the unit once a year.
3. Check to make sure the head is rotating smoothly.
4. Check to make sure the head is securely affixed to the throat.
5. Inspect caulking for proper sealing,
6. In the unlikely event replacement parts are required, they should be purchased from the



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manufacturer to assure integrity and proper operation of the unit.

9. Technical Services

Please contact William Peterson, technical sales manager, wpeterson@moffittcorp.com. 800-474-3267 x 116.

10. Filing Systems

Additional product information is available from the manufacturer upon request