

# PFANNENBERG OUTDOOR RATED FILTERFAN® (NEMA 3R)



RAIN, SHINE OR SNOW....WE HAVE YOU PROTECTED



For over 60 years Pfannenberg has been protecting electrical enclosures from heat damage and ingress of liquid and solid objects. For indoor applications our Filterfan® protects against water and dust (NEMA 12/IP55). For extreme applications (NEMA 4/4X) the addition of a rainhood provides weatherproof protection. The Pfannenberg Outdoor Rated Filterfan® (NEMA 3R) is designed for outdoor weather where resistance against falling rain, ice formation, and UV degradation is important to ensure operation of apparatus inside enclosure.

## VALUE AND BENEFITS

### Outdoor Weather Ready

Protection against ingress of falling dirt, and harmful effects on sensitive components against rain, sleet, snow and even external ice formation. (NEMA 3R rating)

### Optimized Air Flow

Louvers design is optimized to provide maximal airflow while providing supreme ingress protection; combined with best in class fans produces improved air flow to prevent hotspot

### Less Frequent Maintenance

The fluted filter-mat provides 3x longer service life, holding more dust before impeding airflow extending the mean time between maintenance (MTBM) for outdoor enclosure; especially, critical for those locate in remote area.

### Low Initial Investment

Traditional outdoor solution requires installation of a metal hood (rainhood) over the filter fan. The Outdoor Rated Filterfan® (NEMA 3R) eliminates the component and labor cost, and the patented tool-free installation reduces up front investment.

### Prolong Life

UV resistance plastic to prevent premature degradation from direct sunlight



## IDEAL APPLICATIONS

- Pump panels for irrigation, water/waste water
- Lighting control box for traffic, field/stadiums
- Outdoor communication (IT) structures
- Energy storage and charging systems
- Transportation systems – Bridges, Highways, Tolls, Rail

## CONFIGURATIONS

- Multiple unimpeded airflow rating (up to 560cfm)
- Matching Outdoor rated (NEMA 3R) exhaust filter
- Two color choice – Black (RAL 9011) and Light Grey (RAL 7035)
- AC and DC Voltages – 115Vac, 230Vac, 460Vac and 24Vdc
- Accessories & Spare parts – Replacement fluted filter mat, Thermostat, Hygrostats, Heaters

| Type                                                 | Voltage | Air Flow Rate                                                          |                                                                                 | Physical Dimension<br>(W x H x D)<br>inch | Cutout Dimension<br>(W x H)<br>inch (mm) | Part No.            |                          |
|------------------------------------------------------|---------|------------------------------------------------------------------------|---------------------------------------------------------------------------------|-------------------------------------------|------------------------------------------|---------------------|--------------------------|
|                                                      |         | CFM <sup>2</sup><br>(Unimpeded -<br>Filterfan assembly<br>uninstalled) | CFM <sup>3</sup><br>(Installed with one<br>FilterFan and one<br>Exhaust Filter) |                                           |                                          | Black<br>(RAL 9011) | Light Grey<br>(RAL 7035) |
| PF Series Filterfans® 4.0 - Outdoor Rated (NEMA 3R)  |         |                                                                        |                                                                                 |                                           |                                          |                     |                          |
| PF 22000 R                                           | 115 VAC | 38 cfm                                                                 | 28 cfm                                                                          | 5.71 x 5.71 x 2.76                        | 4.92 x 4.92<br>(125 x 125)               | 11622153110         | 11622153115              |
| PF 22000 R                                           | 230 VAC |                                                                        |                                                                                 |                                           |                                          | 11622103110         | 11622103115              |
| PF 22000 R                                           | 24 VDC  |                                                                        |                                                                                 |                                           |                                          | 11622803110         | 11622803115              |
| PF 32000 R                                           | 115 VAC | 65 cfm                                                                 | 38 cfm                                                                          | 7.95 x 7.95 x 3.66                        | 6.97 x 6.97<br>(177 x 177)               | 11632153110         | 11632153115              |
| PF 32000 R                                           | 230 VAC |                                                                        |                                                                                 |                                           |                                          | 11632103110         | 11632103115              |
| PF 32000 R                                           | 24 VDC  |                                                                        |                                                                                 |                                           |                                          | 11632803110         | 11632803115              |
| PF 42500 R                                           | 115 VAC | 94 cfm                                                                 | 74 cfm                                                                          | 9.92 x 9.92 x 4.05                        | 8.78 x 8.78<br>(223 x 223)               | 11642153110         | 11642153115              |
| PF 42500 R                                           | 230 VAC |                                                                        |                                                                                 |                                           |                                          | 11642103110         | 11642103115              |
| PF 42500 R                                           | 24 VDC  |                                                                        |                                                                                 |                                           |                                          | 11642803110         | 11642803115              |
| PF 43000 R                                           | 115 VAC | 155 cfm                                                                | 122 cfm                                                                         | 9.92 x 9.92 x 4.69                        | 8.78 x 8.78<br>(223 x 223)               | 11643153110         | 11643153115              |
| PF 43000 R                                           | 230 VAC |                                                                        |                                                                                 |                                           |                                          | 11643103110         | 11643103115              |
| PF 43000 R                                           | 24 VDC  |                                                                        |                                                                                 |                                           |                                          | 11643803110         | 11643803115              |
| PF 65000 R                                           | 115 VAC | 297 cfm                                                                | 224 cfm                                                                         | 12.6 x 12.6 x 6.18                        | 11.46 x 11.46<br>(291 x 291)             | 11665153110         | 11665153115              |
| PF 65000 R                                           | 230 VAC |                                                                        |                                                                                 |                                           |                                          | 11665103110         | 11665103115              |
| PF 66000 R                                           | 115 VAC | 462 cfm                                                                | 295 cfm                                                                         | 12.6 x 12.6 x 6.18                        | 11.46 x 11.46<br>(291 x 291)             | 11666153110         | 11666153115              |
| PF 66000 R                                           | 230 VAC |                                                                        |                                                                                 |                                           |                                          | 11666103110         | 11666103115              |
| PF 66000 R                                           | 460 VAC |                                                                        |                                                                                 |                                           |                                          | 11666023110         | 11666023115              |
| PF 67000 R                                           | 115 VAC | 560 cfm                                                                | 368 cfm                                                                         | 12.6 x 12.6 x 6.18                        | 11.46 x 11.46<br>(291 x 291)             | 11667153110         | 11667153115              |
| PF 67000 R                                           | 230 VAC |                                                                        |                                                                                 |                                           |                                          | 11667103110         | 11667103115              |
| PF 67000 R                                           | 460 VAC |                                                                        |                                                                                 |                                           |                                          | 11667023110         | 11667023115              |
| PFA Series Exhaust Filters - Outdoor Rated (NEMA 3R) |         |                                                                        |                                                                                 |                                           |                                          |                     |                          |
| PFA 20000 R                                          | -       | -                                                                      | -                                                                               | 5.71 x 5.71 x 1.22                        | 4.92 x 4.92 (125 x 125)                  | 11720003110         | 11720003115              |
| PFA 30000 R                                          | -       | -                                                                      | -                                                                               | 7.95 x 7.95 x 1.57                        | 6.97 x 6.97 (177 x 177)                  | 11730003110         | 11730003115              |
| PFA 40000 R                                          | -       | -                                                                      | -                                                                               | 9.92 x 9.92 x 1.74                        | 8.78 x 8.78 (223 x 223)                  | 11740003110         | 11740003115              |
| PFA 60000 R                                          | -       | -                                                                      | -                                                                               | 12.6 x 12.6 x 1.8                         | 11.46 x 11.46 (291 x 291)                | 11760003110         | 11760003115              |



Rev 2

Design & Application Assistance • Web-based Sizing Software  
Online Certifications & Drawings • National / International Service

[pfannenbergusa.com](http://pfannenbergusa.com)