



# AirVolution<sup>D</sup> 550

| PERFORMANCE                       | 8 ft                  | 10 ft                 | 12 ft                 | 14 ft                  | 16 ft                  | 18 ft                  |
|-----------------------------------|-----------------------|-----------------------|-----------------------|------------------------|------------------------|------------------------|
| Variable Speed                    | 1 - 220 RPM           | 1 - 170 RPM           | 1 - 137 RPM           | 1 - 110 RPM            | 1 - 90 RPM             | 1 - 74 RPM             |
| Recommended Industry Spacing*     | 60 ft                 | 65 ft                 | 70 ft                 | 80 ft                  | 90 ft                  | 95 ft                  |
| Max Affected Area**               | 4,000 ft <sup>2</sup> | 6,600 ft <sup>2</sup> | 8,800 ft <sup>2</sup> | 11,000 ft <sup>2</sup> | 13,000 ft <sup>2</sup> | 15,000 ft <sup>2</sup> |
| Sound Level dBA at 100% Speed *** | 61                    | 59                    | 60                    | 56                     | 53                     | 53                     |

## WEIGHTS

|                |         |         |         |         |         |         |
|----------------|---------|---------|---------|---------|---------|---------|
| Hanging Weight | 144 lbs | 153 lbs | 162 lbs | 172 lbs | 180 lbs | 188 lbs |
|----------------|---------|---------|---------|---------|---------|---------|

## MOTOR AND DRIVE TRAIN

|                              |                       |
|------------------------------|-----------------------|
| Motor Type                   | Gearless Direct Drive |
| Equivalent Horsepower Rating | 1.05 HP               |
| Max Operating Temp           | 140° F [60° C]        |

## MAX AMP DRAW / 推奨ヒューズ

|                     |            |             |             |             |             |             |
|---------------------|------------|-------------|-------------|-------------|-------------|-------------|
| 110 VAC 1-Phase     | 9.0 A / 10 | 13.9 A / 15 | 13.9 A / 15 | 13.9 A / 15 | 15.2 A / 20 | 15.2 A / 20 |
| 120 VAC 1-Phase     | 8.3 A / 10 | 12.7 A / 15 | 12.7 A / 15 | 12.7 A / 15 | 14.0 A / 15 | 14.0 A / 15 |
| 208-240 VAC 1-Phase | 4.8 A / 5  | 7.3 A / 10  | 7.3 A / 10  | 7.3 A / 10  | 8.1 A / 10  | 8.1 A / 10  |
| 277 VAC 1-Phase     | 3.6 A / 5  | 5.5 A / 10  | 5.5 A / 10  | 5.5 A / 10  | 6.1 A / 10  | 6.1 A / 10  |
| 208-240 VAC 3-Phase | 3.4 A / 5  | 5.3 A / 10  | 5.3 A / 10  | 5.3 A / 10  | 6.6 A / 10  | 5.8 A / 10  |
| 380 VAC 3-Phase     | 1.9 A / 5  | 2.9 A / 5   | 2.9 A / 5   | 2.9 A / 5   | 3.6 A / 5   | 3.2 A / 5   |
| 480 VAC 3-Phase     | 1.5 A / 5  | 2.3 A / 5   | 2.3 A / 5   | 2.3 A / 5   | 2.9 A / 5   | 2.5 A / 5   |

## POWER AND CONTROLS

|                   |  |
|-------------------|--|
| Power Source High | 3-Phase [380-600] VAC +/- 5%, 50/60 Hz   |
| Power Source Low  | 1-Phase or 3-Phase [120-277] VAC +/- 5%, 50/60 Hz                                  |
| Control Options   | Digital Touchpad Standard, MacroAir Controller 6 and 30, AirLynk – BacNet/LonWorks |

## INSTALLATION

|                   |   |
|-------------------|---|
| Mounting Hardware | AVD Universal Mount   |
| Drop Length       | In addition to the standard drop length supplied, optional drop lengths are available in 1 inch increments. Guy wires required with Universal Mount; with Rapid Mount Industrial; guy wires are optional. |

## RATINGS AND COMPLIANCE

|                       |                |
|-----------------------|----------------|
| Fire and Sprinkler    | NFPA Compliant |
| Wash Down Duty Rating | IP65           |
| Certifications        | UL 507, CE     |

\* Delivers 2.8 - 4.2 ft/s of average air speed in the occupied space. This relates to perceived cooling or set point change or 4.9-6.1° F. Consult EnergyLogic LLC for more details.

\*\* Delivers 2.7 - 3.8 ft/s of average air speed in the occupied space. This relates to perceived cooling or set point change or 4.8-5.8° F. Consult EnergyLogic LLC for more details.

\*\*\* Sound testing taken with sensor 5 ft above the ground and 20 ft from the center of the fan at 20 ft high.

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