



# Large Diameter Fan Design Options

| Fan Size in Diameter                 | 8 ft       | 12 ft       | 16 ft       | 20 ft       | 24 ft       |
|--------------------------------------|------------|-------------|-------------|-------------|-------------|
| Motor Power                          | 1 HP       | 1 HP        | 1.5 HP      | 2 HP        | 2 HP        |
| Power Consumption                    | 644 W      | 644 W       | 805 W       | 1403 W      | 1403 W      |
| Actual Amps at 480 Volt              | 1.3 A      | 1.3 A       | 1.6 A       | 3.0 A       | 3.0 A       |
| Actual Amps at 230 Volt              | 2.8 A      | 2.8 A       | 3.5 A       | 6.3 A       | 6.3 A       |
| Torque                               | 68 ft-lbs  | 85 ft-lbs   | 180 ft-lbs  | 250 ft-lbs  | 290 ft-lbs  |
| Thrust                               | n/a        | n/a         | 160 lbs     | 210 lbs     | 170 lbs     |
| Speed                                | 154 rpm    | 123 rpm     | 73 rpm      | 63 rpm      | 57 rpm      |
| Airflow                              | 42,136 cfm | 134,152 cfm | 182,173 cfm | 330,050 cfm | 397,701 cfm |
| Maximum Eff. Diameter                | 35 ft      | 80 ft       | 140 ft      | 200 ft      | 230 ft      |
| Weight (No Mount)                    | 214 lbs    | 235 lbs     | 265 lbs     | 310 lbs     | 330 lbs     |
| Noise Level (2.4m Below at Wing Tip) | 60 dBA     | 62 dBA      | 62 dBA      | 63 dBA      | 64 dBA      |