

- Heavy gauge aluminum hub and blade construction.
- Upper and lower hub is spun for rigidity and appearance.
- Blades are engineered and formed to allow for great aerodynamics.
- Dual self-aligning oil-lite bushings.
- Dual high quality thrust bearings.
- Upper collar constructed of heavy gauge galvanized metal for a more secure connection.
- Standard powder coated colors of white, black, Silver and aluminum.
- Custom colors are available to match any architectural needs.
- Aluminum construction keeps the weight down to allow for ease of installation.
- No Electricity Required
- Assembly Required

DAD-08W

| | | | | | |
|-------------------|-----------|-----------|-----------|-----------|-----------|
| Airflow CFM | 164 | 215 | 327 | 360 | 388 |
| Blade RPM | 31 | 38 | 58 | 63 | 79 |
| Static Pressure | 0.04 | 0.06 | 0.14 | 0.16 | 0.19 |
| Velocity Pressure | 0.02 | 0.03 | 0.08 | 0.09 | 0.09 |
| Total Pressure | 0.06 | 0.09 | 0.22 | 0.25 | 0.28 |
| Throw in feet | 1 - 2 - 5 | 1 - 3 - 7 | 2 - 4 - 9 | 2 - 5 - 9 | 3 - 6 - 9 |
| NC Rating | 20 | 27 | 38 | 40 | 42 |

*All pressures are given in w.g. All measurements are given in inches.

*Throw values for the 8" D.A.D. are based on an exposed installation at 10' A.F.F.

DAD-10W

| | | | | | |
|-------------------|-----------|-----------|------------|------------|------------|
| Airflow CFM | 255 | 388 | 440 | 512 | 702 |
| Blade RPM | 27 | 35 | 45 | 54 | 74 |
| Static Pressure | 0.05 | 0.09 | 0.10 | 0.18 | 0.34 |
| Velocity Pressure | 0.01 | 0.02 | 0.03 | 0.04 | 0.09 |
| Total Pressure | 0.06 | 0.11 | 0.13 | 0.22 | 0.43 |
| Throw in feet | 1 - 3 - 8 | 2 - 4 - 9 | 2 - 5 - 10 | 3 - 7 - 11 | 4 - 8 - 12 |
| NC Rating | 21 | 33 | 35 | 42 | 51 |

*All pressures are given in w.g. All measurements are given in inches.

*Throw values for the 10" D.A.D. are based on an exposed installation at 13' A.F.F.

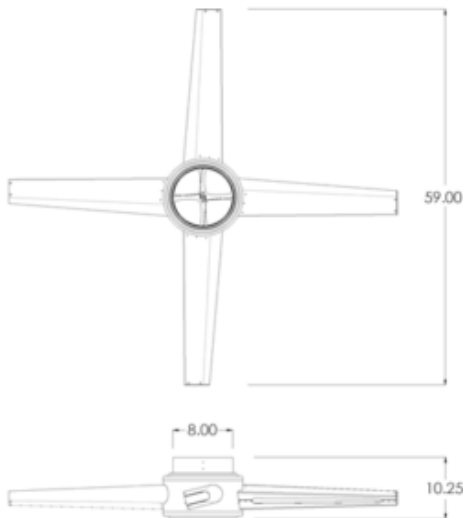
DAD-12W

| | | | | | | | |
|-------------------|------|------|------------|------------|------------|------------|------------|
| Airflow CFM | 350 | 450 | 653 | 758 | 835 | 967 | 1069 |
| Blade RPM | 22 | 29 | 41 | 48 | 54 | 62 | 70 |
| Static Pressure | 0.05 | 0.07 | 0.14 | 0.18 | 0.23 | 0.27 | 0.32 |
| Velocity Pressure | 0.01 | 0.01 | 0.02 | 0.04 | 0.07 | 0.07 | 0.10 |
| Total Pressure | 0.06 | 0.08 | 0.16 | 0.22 | 0.31 | 0.34 | 0.42 |
| Throw in feet | n/a | n/a | 2 - 4 - 11 | 2 - 5 - 12 | 3 - 6 - 13 | 4 - 8 - 13 | 4 - 9 - 14 |
| NC Rating | 21 | 29 | 40 | 43 | 47 | 54 | 58 |

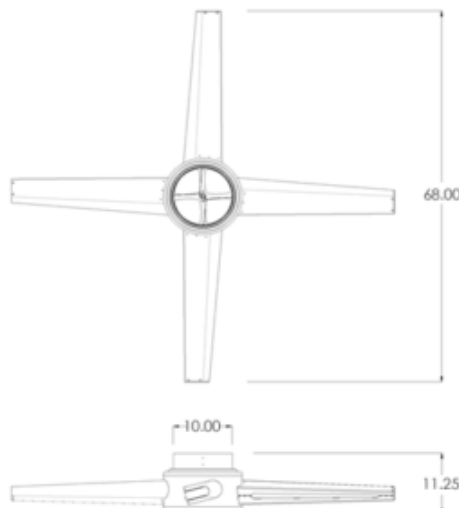
*All pressures are given in w.g. All measurements are given in inches.

*Throw values for the 12" D.A.D. are based on an exposed installation at 16' A.F.F.

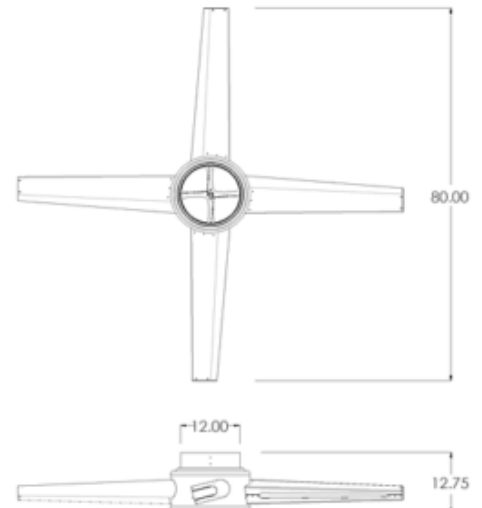
DAD-08W



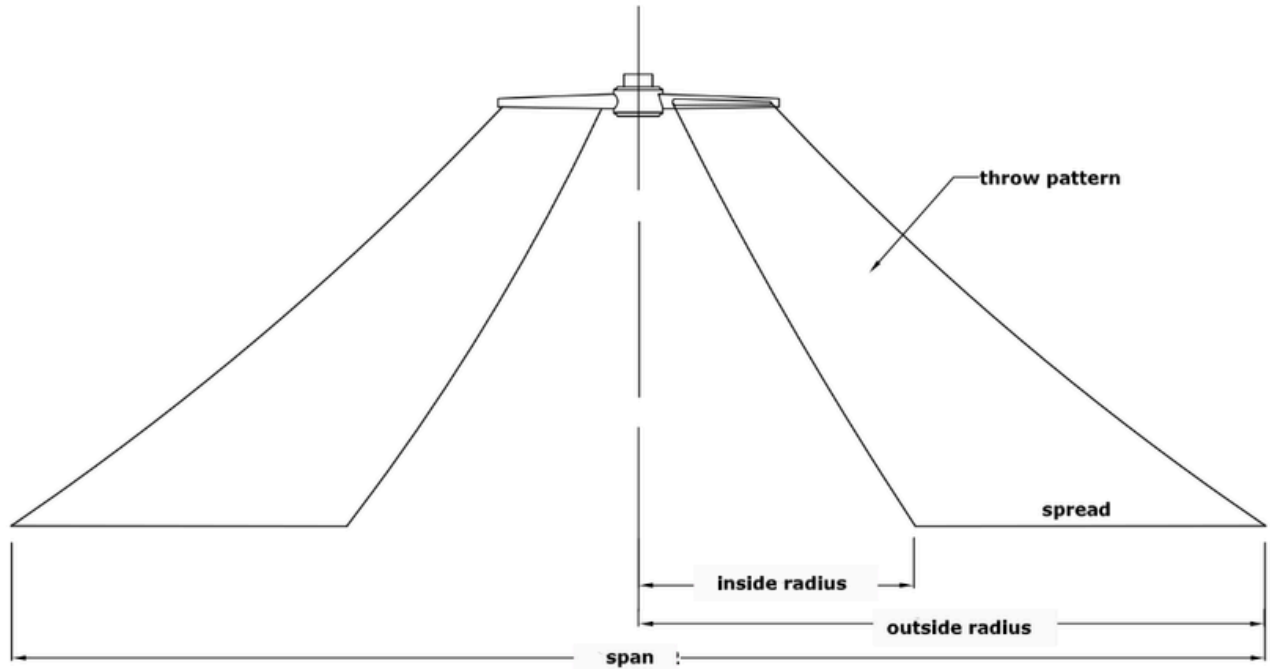
DAD-10W



DAD-12W



Throw Data



| HEIGHT | 8" @ 300 CFM | 8" @ 300 CFM | 8" @ 300 CFM | 10" @ 440 CFM | 10" @ 440 CFM | 10" @ 440 CFM | 12" @ 600 CFM | 12" @ 600 CFM | 12" @ 600 CFM |
|--------|--------------|--------------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|
| - | Inside | Outside | Spread | Inside | Outside | Spread | Inside | Outside | Spread |
| 8 | 6'-4" | 12'-1" | 5'-9" | | | | | | |
| 9 | 7'-0" | 14'-5" | 7'-5" | | | | | | |
| 10 | 7'-9" | 14'-5" | 7'-5" | 7'-11" | 16'-2" | 8'-3" | | | |
| 11 | 8'-6" | 16'-11" | 8'-5" | 8'-7" | 17'-3" | 8'-8" | | | |
| 12 | 9'-4" | 18'-5" | 9'-1" | 9'-5" | 18'-7" | 9'-2" | | | |
| 13 | | | | 10'-1" | 20'-1" | 10'-0" | | | |
| 14 | | | | 11'-1" | 21'-3" | 10'-2" | 11'-2" | 22'-3" | 11'-1" |
| 15 | | | | 11'-8" | 22'-7" | 10'-11" | 11'-9" | 23'-1" | 11'-4" |
| 16 | | | | 12'-6" | 24'-0" | 11'-6" | 12'-7" | 24'-6" | 11'-11" |
| 17 | | | | | | | 13'-2" | 25'-9" | 12'-7" |
| 18 | | | | | | | 13'-11" | 27'-0" | 13'-1" |
| 19 | | | | | | | 14'-9" | 28'-6" | 13'-9" |
| 20 | | | | | | | 15'-7" | 29'-9" | 14'-2" |

- Span equals two times outer radius
- Field acquired numbers may vary based on installation
- Highlighted measurements show optimal range of height for each size of diffuser.