



TM AXIAL FANS

Variable pitch airfoil profile axial impellers, diameters from 11.81 in to 50 in [300 mm to 1270 mm]

Product features

- airfoil profile blades
- light aluminum alloy hub (size 5/9/12/16)
- 2 blade models: N, V
- 3/4/5/6/8/9/12/16 blades configurations
- right/left variable setting angles from 20° to 50°
- clockwise/counter-clockwise rotation
- sucking/blowing air flow
- robust, efficient and lower noise

Applications

- Compressors
- Industrial ventilators
- Radiators
- Engine coolers
- Generators
- Snow cannons
- Sprayers
- Hovercrafts
- Earth moving machines
- Ventilators for livestock
- Dryers and kilns
- Rail applications

Blade materials

TM blades are available in plastics and ATEX materials to suit a variety of applications which require different temperatures and rotation speeds. Custom colors are available upon request.

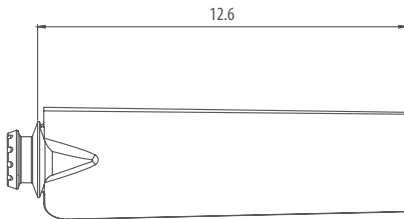
Material	Description	Std. color	Op. temperature*
PPG	Glass-reinforced Polypropylene (PP 30% glass)	Orange	-4°F to 194°F [-20°C to +90°C]
PAG	Glass-reinforced Polyamide (PA6)	White	-40°F to 248°F [-40°C to +120°C]
RYT	Ryton	Brown	-4°F to 284°F [-20°C to +140°C]
PAA**	Antistatic Polyamide	Black	-4°F to 230°F [-20°C to +110°C]
PAX**	Antistatic, Self-extinguishing PA	Black	-4°F to 230°F [-20°C to +110°C]
PAM**	Antistatic, Self-extinguishing, Magnetically shielded PA	Black	-4°F to 230°F [-20°C to +110°C]

* Contact technical dpt. for further info ** ATEX materials for hazardous environments

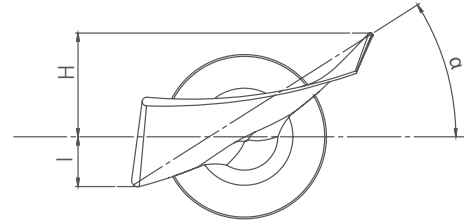
Specifications and dimensions

TM fans are configurable with 3/4/5/6/8/9/12/16 blades, depending on the hub. Blades are available in two versions: N and V with right or left variable-pitch setting angles ranging from 20° to 50°.

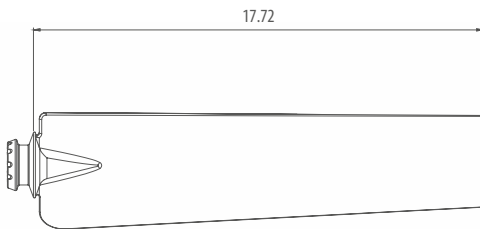
Blade	Hub	Hub Ø [in]	Min Ø [in]	Max Ø [in]	Configurations
N	5	5.91	11.81	30.91	5-5
	9	7.87	16.14	32.76	9-9, 9-3
	12	11.02	17.72	35.94	12-12, 12-6, 12-4
	16	14.76	26.38	39.76	16-16, 16-8



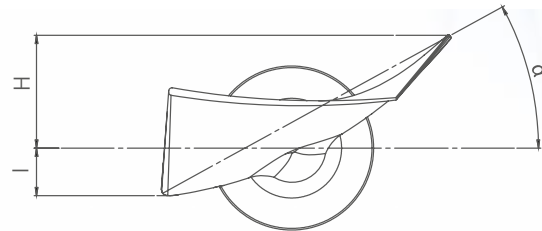
Dimensions by Angle								
α	20°	25°	30°	32.5°	35°	37.5°	40°	45°
H [in]	1.22	1.38	1.54	1.65	1.73	1.81	1.85	2.05
I [in]	0.43	0.59	0.71	0.79	0.87	0.91	0.98	1.14



Blade	Hub	Hub Ø [in]	Min Ø [in]	Max Ø [in]	Configurations
V	5	5.91	17.72	41.14	5-5
	9	7.87	22.44	42.99	9-9, 9-3
	12	11.02	22.44	46.18	12-12, 12-6, 12-3
	16	14.76	28.35	50.00	16-16, 16-12, 16-8



Dimensions by Angle								
α	25°	30°	32.5°	35°	37.5°	40°	45°	50°
H [in]	1.85	2.05	2.17	2.24	2.32	2.40	2.56	2.64
I [in]	0.79	0.94	1.06	1.14	1.22	1.26	1.42	1.50



Energy efficiency

All our fans are tested in our AMCA 210 test chamber and are ready to meet the requirements of the most stringent directives for energy efficiency. For further info contact our technical department.

Performance diagrams

In order to select the best fans for your application and visualize their performance diagrams, please refer to Qvalyfan selection software. To download Qvalyfan, visit hwventilation.us or send an email to info@hwventilation.us

