



TS AXIAL FANS

Fixed pitch airfoil profile axial fans, diameters from 9.06" to 35.67" [230 mm to 906 mm]

Product features

- airfoil profile blades
- light aluminum alloy hub (size 6/8/10/14/20)
- 2 blade models: G, D
- 3/4/5/6/7/8/10/14/20 blades configurations
- right/left fixed setting angles from 25° to 50°
- clockwise/counter-clockwise rotation
- sucking/blowing air flow
- light weight, efficient and lower noise

Applications

- Compressors
- Ventilators
- Radiators
- Engine coolers
- Generators
- Lift trucks
- Agricultural sprayers
- Ventilation of livestock
- Earth moving machines
- Air conditioners
- Refrigeration units
- Rail applications

Blade materials

TS 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.

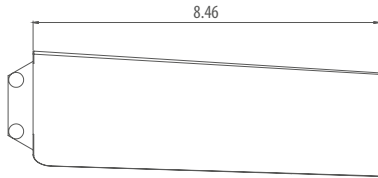
Material	Description	Std. color	Op. temperature*
PP	Polypropylene (PP)	Yellow	14°F to 185°F [-10°C to +85°C]
PPG	Glass-reinforced Polypropylene (PP 30% glass)	Orange	-4°F to 194°F [-20°C to +90°C]
PAG	Glass-reinforced Polyamide (PA6)	White	-40°F to 248°F [-40°C to +120°C]
RYT	Ryton	Brown	-4°F to 284°F [-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]
PAT***	Glass Reinforced Polyamide for Railway Applications	Black	-40°F to 248°F [-40°C to +120°C]
PVDF	Foraflon (FDA certified)	White	-40°F to 248°F [-40°C to +120°C]

* Contact technical dpt. for further info ** ATEX materials for hazardous environments *** PAT is a special glass reinforced polyamide, that is certified against the main international standards of fire resistance and smoke opacity - EN 45545, NF F16-101/102, NFPA 130

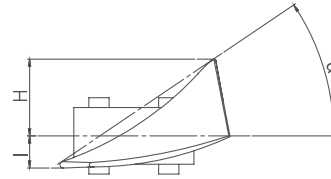
Specifications and dimensions

TS fans are configurable with 3/4/5/6/7/8/10/14/20 blades, depending on the hub. Blades are available in two versions: G and D with right or left fixed-pitch setting angles ranging from 25° to 50°.

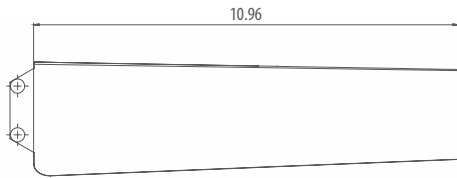
Blade	Hub	Hub Ø [in]	Min Ø [in]	Max Ø [in]	Configurations
G	6	3.78	9.06	20.71	6-6, 6-3
	8	5.28	9.06	22.20	8-8, 8-4
	10	6.77	11.81	23.70	10-10, 10-5
	14	9.53	15.75	26.46	14-14, 14-7



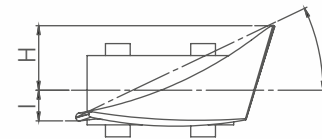
Dimensions by Angle						
α	25°	30°	35°	40°	45°	50°
H [in]	1.06	1.26	1.46	1.61	1.77	1.89
l [in]	0.47	0.51	0.59	0.63	0.71	0.75



Blade	Hub	Hub Ø [in]	Min Ø [in]	Max Ø [in]	Configurations
D	6	3.78	9.06	25.75	6-6, 6-3
	8	5.28	9.06	27.24	8-8, 8-4
	10	6.77	11.81	28.74	10-10, 10-5
	14	9.53	15.75	31.50	14-14, 14-7
	20	13.70	23.62	35.67	20-20, 20-10



Dimensions by Angle						
α	25°	30°	35°	40°	45°	50°
H [in]	1.06	1.22	1.38	1.50	1.57	1.65
l [in]	0.51	0.59	0.71	0.79	0.87	0.91



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 Qualyfan selection software. To download Qualyfan, visit hwventilation.us or send an email to info@hwventilation.us

