HW VENTILATION

C AXIAL FANS

Plastic sickle profile axial impellers, diameters from 17.72" to 50.47" [450 mm to 1282 mm]

Product features

- slightly sickle profile blades
- light aluminum alloy hub (size 5/9/12/16)
- 3/4/5/6/8/9/12/16 blades configurations
- right/left variable setting angles from 25° to 50°
- clockwise/counter-clockwise rotation
- sucking/blowing air flow
- robust, efficient, higher performances at low rpm
- lower noise signature

Applications

- Industrial ventilators
- Compressors
- Sprayers
- Ventilation of livestock
- Snow cannons
- Dryers and kilns
- Cooling towers
- Hovercrafts
- Heat exchangers

Blade materials

C blades are made of high-performance techno-polymers, 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]

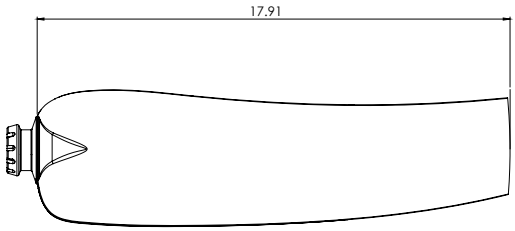
* Contact technical dpt. for further info

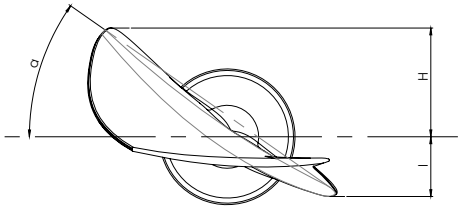
Specifications and dimensions

C fans are configurable with 3/4/5/6/8/9/12/16 blades, depending on the hub. Blades have right or left variable-pitch setting angles, ranging from 25° to 50°.

Blade	Hub	Hub Ø [in]	MIN Ø [in]	MAX Ø [in]	Configurations
C	5	5.91	17.72	41.61	5-5
	9	7.87	22.44	43.46	9-9
	12	11.02	22.44	46.65	12-12, 12-6
	16	14.76	28.35	50.47	16-16, 16-8

Dimensions by Angle								
α	25°	30°	32.5°	35°	37.5°	40°	45°	50°
H [in]	1.65	1.85	1.97	2.05	2.17	2.24	2.40	2.56
I [in]	0.79	0.94	1.06	1.14	1.22	1.30	1.46	1.57



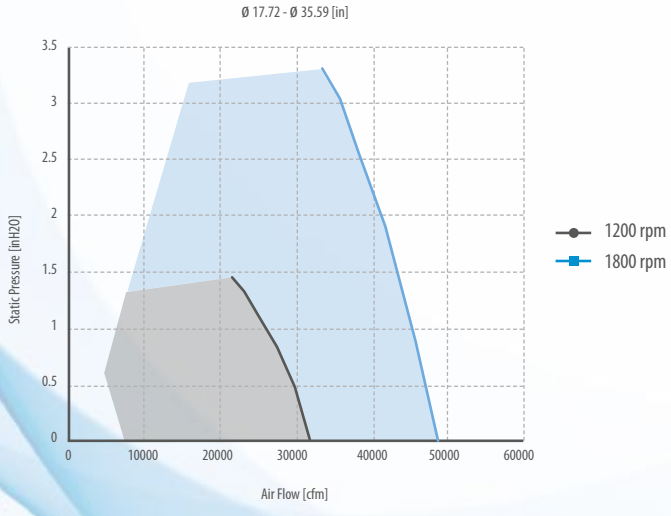


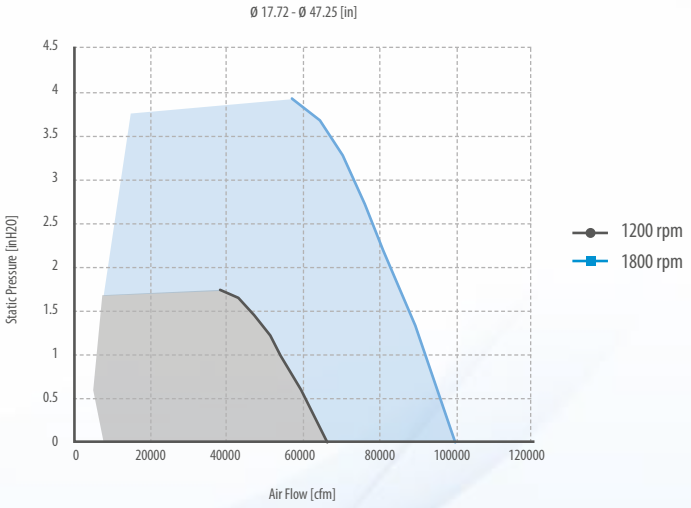
Energy efficiency

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





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