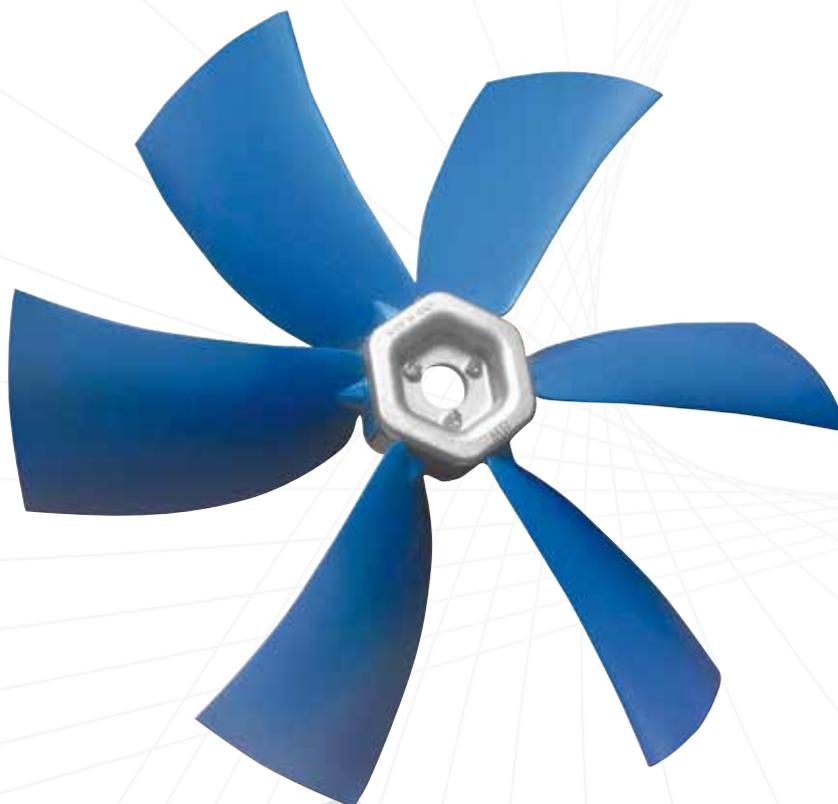




# HW Ventilation



## AXIAL IMPELLERS

Fixed pitch sickle profile axial impellers, diameters from 230 mm to 750 mm

## PRODUCT FEATURES

Q impellers are manufactured assembling fixed pitch sickle profile blades with a light aluminum alloy hub. The impellers are thought to be employed in applications that require the highest rotation speeds and low noise levels. The impellers are available in configurations with 6/8/10/14 blades both for clockwise and anticlockwise rotation. Q blades are available with right or left fixed setting angles ranging from 20° to 50°. Q impellers can produce a sucking or blowing air flow.

## APPLICATIONS

- Compressors
- Ventilators
- Radiators
- Generators
- Lift trucks
- Agricultural sprayers
- Farms ventilation
- Earth moving machines
- Air conditioners
- Refrigeration units
- Cooling Towers

## BLADE MATERIALS

Q are available in plastics, and ATEX materials to suit a variety of applications which require different temperatures and rotation speeds.

MATERIAL	DESCRIPTION	STD. COLOR*	OP. TEMPERATURE***
PPG	Polypropylene Glass Reinforced (PP 30% glass)	Orange	-20°C to +85°C
PAG	Polyamide Glass Reinforced (PA6)	White	-40°C to +120°C
RYT	Ryton	Brown	-50°C to +200°C
PAA** 	Antistatic Polyamide	Black	-40°C to +120°C
PAX** 	Antistatic, Self extinguishing PA	Black	-40°C to +120°C
PAM** 	Antistatic, Self extinguishing, Magnetically shielded PA	Black	-40°C to +120°C

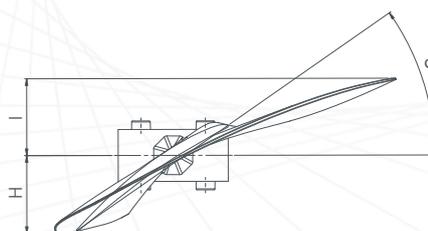
\*Custom colors available upon request \*\*ATEX materials for hazardous environments \*\*\*Contact technical dpt. for customized advise

# SPECIFICATIONS AND DIMENSIONS

Q impellers are configurable with 6/8/10/14 blades. Blades are available with right or left fixed setting angles ranging from 20° to 50°.

Blade	Hub	Hub Ø [mm]	MIN Ø [mm]	MAX Ø [mm]	Configurations
Q	6	96	230	602	6-6, 6-3
	8	134	270	640	8-8, 8-4
	10	172	310	680	10-10, 10-5
	14	242	500	750	14-14, 14-7

Dimensions by Angle							
α	20°	25°	30°	35°	40°	45°	50°
H	10	19	29	38	48	57	66
I	24	29	34	39	44	48	52



## ENERGY EFFICIENCY

Our fans have been tested in **AMCA 210/07** wind tunnel and comply with the requirements of EU Directive 2015 on Energy Efficiency for axial fans. For further info contact our technical department.

## PERFORMANCE DIAGRAMS

