



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

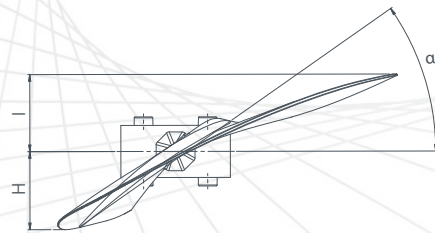
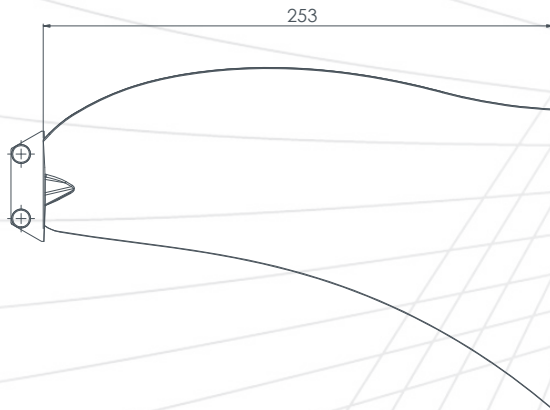
*Custom colors available upon request **ATEX materials for hazardous environments ***Contact technical dpt. for customized advise

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

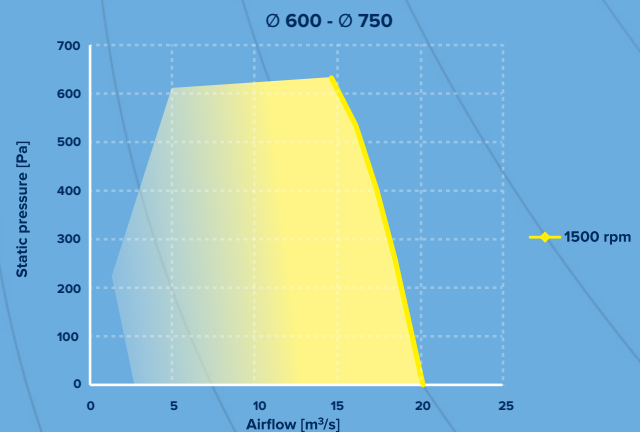
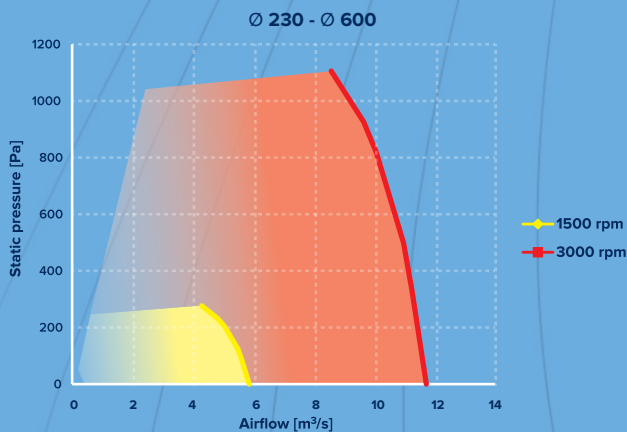
Dimensions by Angle							
α	20°	25°	30°	35°	40°	45°	50°
H	10	19	29	38	48	57	66
I	24	29	34	39	44	48	52



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



www.hwventilation.it

HW Ventilation is distributed in India by:

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