HW VENTILATION

DATA SHEET

FANS FOR RADIATORS AND ENGINE COOLING SYSTEMS

Product features

HW Ventilation offers a wide **range of axial fans for radiators and engine cooling systems**, both for mobile and for stationary applications.

Based on their profile, our fan blades can be classified in two categories:

① **sickle profile**

② **airfoil profile**

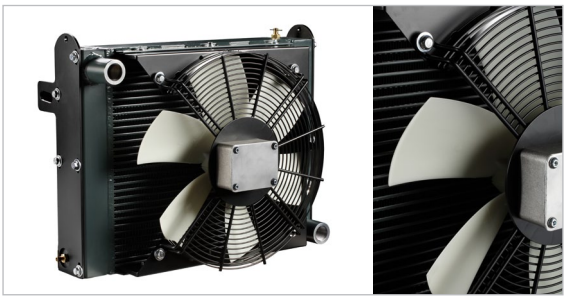
Both profiles are suitable for being employed in highly efficient, low noise radiators and engine cooling systems, and achieve optimal performance levels even in the hardest environments.

Thanks to their stretched shape, the airfoil profile blades can generate higher and homogeneous airflows. The sickle profile blades can reach higher pressures at lower rpm.

These factors make both blades an excellent suit for engine cooling solutions. The twisted design of our blades provides a homogeneous airflow, while the leading edge and the trailing edge are designed to provide low turbulence and low noise.

Our blades can have a fixed pitch angle, or a variable pitch angle.

The blades of our fans are available in a huge variety of materials, like traditional plastics (glass-reinforced polypropylene and polyamide), aluminum, special/ customized solutions (i.e. ATEX).



Material	Description	Color	Applications	Op. temperature
PP	Polypropylene (PP)	Yellow	TS	Da -10°C a +80°C
PPG	Glass-reinforced Polypropylene (PP 30% glass)	Orange	TS, TM, SR, C, Q	Da -20°C a +85°C
PAG	Glass-reinfoced Polyamide (PA6)	White	TS, TM, SR, C, Q	Da -40°C a +120°C
PAS	Glass-reinforced Polyamide (PA6)	Black	SR	Da -40°C a +120°C
ALU	Aluminum		C	Da -80°C a +300°C
RYT	Ryton	Brown	TS, TM, Q	Da -50°C a +200°C
PAA	Antistatic Polyamide	Black	TS, TM, Q	Da -40°C a +120°C
PAX	Antistatic, Self-extinguishing PA	Black	TS, TM, Q	Da -40°C a +120°C
PAM	Antistatic, Self-extinguishing, Magnetically-shielded PA	Black	TS, TM, Q	Da -40°C a +120°C
PAT	Glass-reinforced Polyamide for Rail Applications*	Black	TS, Q	Da -40°C a +120°C

* 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

Our fixed pitch and variable pitch hubs are entirely made of aluminum and are highly resistant to mechanical stress and to extreme temperatures. Depending on how the fan is mounted on the final application, our hubs are machined and adapted to the needs of our customers. If needed, we couple our hubs with highly customized bores.

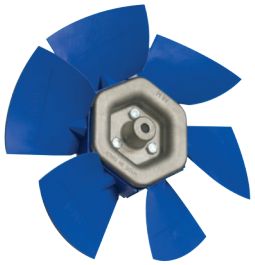
Dimensions and features

• Fixed-pitch angle blades

TS

Model	Configurations blades	Hubs	Min Ø	Max Ø	
G	3/4/5/6/7/8/10/14	6/8/10/14	230	672	Light, efficient and low noise
D	3/4/5/6/7/8/10/14/20	6/8/10/14/20	230	906	

Q



Model	Configurations blades	Hubs	Min Ø	Max Ø	
Q	3/4/5/6/7/8/10/14	6/8/10/14	230	750	Light, higher performances at low rpm and low noise

• Variable-pitch angle blades

TM

Model	Configurations blades	Min Ø	Max Ø	
N	3/4/5/6/8/9/12/16	300	1010	Robust, efficient and low noise
V	3/4/5/6/8/9/12/16	450	1270	

SR

Model	Configurations blades	Min Ø	Max Ø	
SR	3/5/6/8	550	1100	Robust, higher performances at low rpm and low noise

C

Model	Configurations blades	Min Ø	Max Ø	
C-S	5/6/8/9/12/16	450	1026	Robust, efficient, higher performances at low rpm and low noise
C	3/4/5/6/8/9/12/16	450	1282	

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