



DATA SHEET

FANS FOR PORTABLE AND
STATIONARY COMPRESSORS



Product features

HW Ventilation offers a wide **range of axial fans and complete fan-motor-casing systems for portable and stationary compressors.**

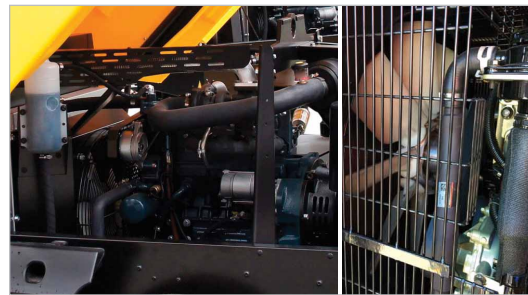
Based on their profile, our fan blades can be classified in two categories:

- ① **sickle profile**
- ② **airfoil profile**

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

Thanks to their stretched shape, the airfoil profile blades can generate higher levels of static pressure. The sickle profile blades can reach higher pressures at lower rpm, while reducing the noise emissions. These factors make both types of 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.

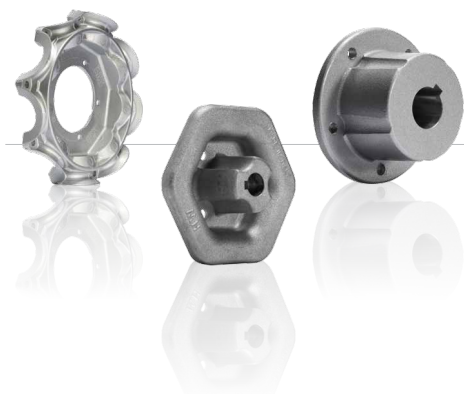
The blades of our fans are available in a huge variety of materials, like technopolymers (glass-reinforced polypropylene and polyamide), aluminum, special and customized solutions (i.e. ATEX).



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-reinforced 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	Light, efficient and low noise
		G	3/4/5/6/7/8/10/14	6/8/10/14	230	672	
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	Light, higher performances at low rpm and low noise
		Q	3/4/5/6/7/8/10/14	6/8/10/14	230	750	

• Variable-pitch angle blades

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

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

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



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