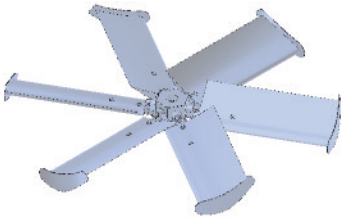


Fans

High efficiency axial impellers



MAP/AVP/MF/XF Series

Applications

Aircoolers

Heat exchangers / Radiators

Cooling towers

Condensers

Axial Fans

COMET aluminium impellers come in 4 different construction types, aimed at satisfying numerous industrial applications. COMET manufactures 10 different blade profiles and three different impeller designs, giving rise to one of the most extensive and efficient product ranges available on the market.

The larger Series can be selected for large installations with diameters up to 12 metres.

The smaller Series are suitable for installation on equipments, machineries or in environments requiring ventilation or cooling, and on small and medium fan units with diameters starting from 350mm.

The "MAP" and "AVP" Series impellers have high-efficiency and low-noise blades made of extruded aluminium alloy. All "MAP" models have variable pitch blades with motor stopped, while "AVP" impellers have variable pitch blades in operation. They were designed to provide precise and continuous adjustment of the air flow as the thermal conditions of the system vary. The blade pitch variation is controlled pneumatically and these impellers are supplied complete with rotating joint for connection to the line and with precision position valve. Special versions of all COMET impeller Series are available for critical operating conditions or special environments.

The extensive production in aluminium is supported by "MF" and "XF" Series of impellers, with blades made of fiberglass-reinforced plastic (FRP-GRP-PPG). These Series have Very Low-Noise characteristics and are suitable for corrosive environments.

By using COMET selection software, it is possible to select the most advantageous combination of speed, number of blades and blade profile to obtain the best results in terms of noise and power consumption.

Technical Data

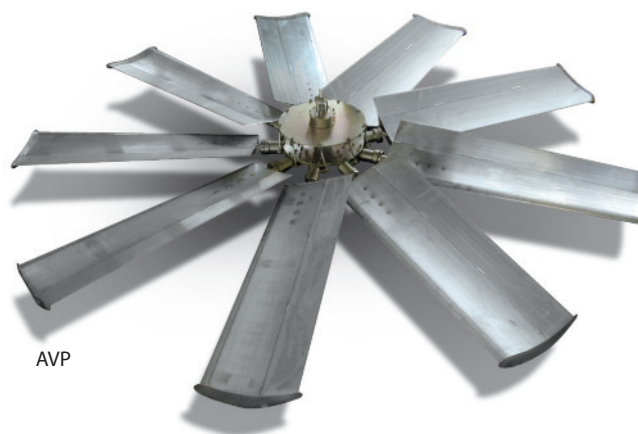
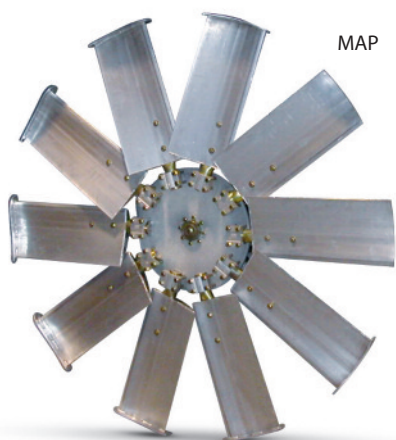
Series	Blade Material	Hub Type	Blade Series	Diameter Range [mm]
MAP	Aluminium	F	12 / 1N	350 ÷ 1000
		P	1N / 2N / 3N / 31	500 ÷ 3100
		D	2N / 3N / 4N / 8N / 31 / 51	1000 ÷ 12000
AVP	Aluminium	P	1N / 2N / 3N / 31	1120 ÷ 3100
		D	2N / 3N / 4N / 8N / 31 / 51	2000 ÷ 8000
MF	FRP – GRP	D	MF	1200 ÷ 10000
XF	FRP – GRP	D	XF	2000 ÷ 12000



Microelettrica Scientifica

Fans

High efficiency axial impellers: MAP/AVP/MF/XF Series



KNORR-BREMSE



Microelettrica Scientifica

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