



HW Ventilation



TM AXIAL IMPELLERS

Variable pitch airfoil profile axial impellers, diameters from 300 mm to 1270 mm

PRODUCT FEATURES

TM impellers are manufactured assembling airfoil profile blades with a light aluminum alloy hub. The impellers are thought to be employed in applications that require the highest rotation speeds. The impellers are available in configurations with 5/9/12/16 blades both for clockwise and anticlockwise rotation. Blades are available in two models: N and V, with right or left setting angles ranging from 20° to 50°. TM impellers can produce a sucking or blowing air flow.

APPLICATIONS

- Compressors
- Ventilators
- Generators
- Earth Moving Machines
- Radiators
- Cooling Towers
- Snow Cannons
- Hovercrafts

BLADE MATERIALS

TM blades are available in plastics, aluminum and ATEX materials to suit a variety of applications which require high performance at 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.

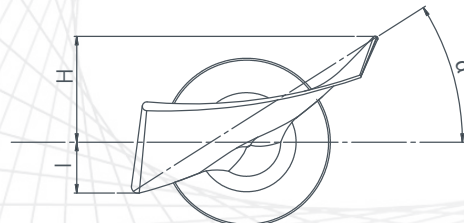
SPECIFICATIONS AND DIMENSIONS

TM impellers are configurable with 5/9/12/16 blades. Blades are available in two versions: N, and V, with right or left variable setting angles ranging from 20° to 50°.

Blade	Hub	Hub Ø [mm]	MIN Ø [mm]	MAX Ø [mm]	Configurations
N	5	150	300	785	5-5
	9	200	410	832	9-9, 9-3
	12	280	450	913	12-12, 12-6, 12-4
	16	375	670	1010	16-16, 16-8



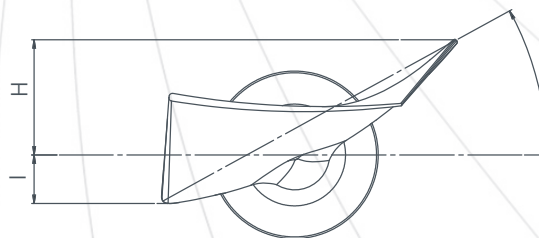
Dimensions by Angle								
α	20°	25°	30°	32,5°	35°	37,5°	40°	45°
H	31	35	39	42	44	46	47	52
l	11	15	18	20	22	23	25	29



Blade	Hub	Hub Ø [mm]	MIN Ø [mm]	MAX Ø [mm]	Configurations
V	5	150	450	1045	5-5
	9	200	570	1092	9-9, 9-3
	12	280	570	1173	12-12, 12-6, 12-3
	16	375	720	1270	16-16, 16-12, 16-8



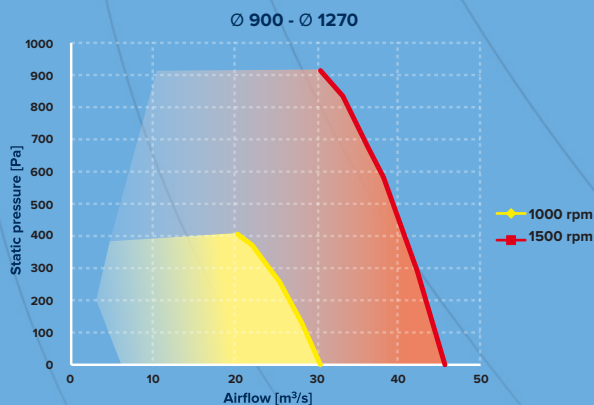
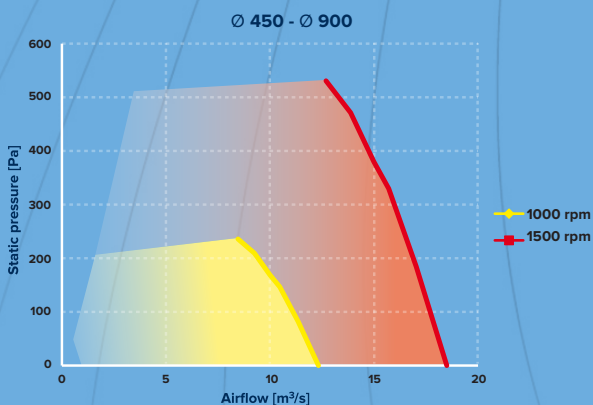
Dimensions by Angle								
α	25°	30°	32,5°	35°	37,5°	40°	45°	50°
H	47	52	55	57	59	61	65	67
l	20	24	27	29	31	32	36	38



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



HW Ventilation is distributed in India by:

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