



# HW Ventilation



## C-ALU AXIAL IMPELLERS

Aluminum sickle profile axial impellers, diameters from 450 mm to 1282 mm

### PRODUCT FEATURES

C-ALU impellers shape has been designed to produce higher airflow rates, while ensuring high efficiency and low noise emission levels. C-ALU impellers are thought to be employed in high-temperature and corrosive environments and are manufactured assembling airfoil profile blades made of aluminum, with a light aluminum alloy hub. The impellers are available in configurations with 5/9/12/16 blades. Blades are available in two models: regular (CL) and short (CL-S) blades, with left setting angles ranging from 25° to 50°. C-ALU fans can produce a sucking or blowing air flow.

### APPLICATIONS

- Ventilators
- Radiators
- Generators
- Snow Cannons
- High Temperatures
- Dryers and kilns
- Tunnels
- Cooling Towers

### BLADE MATERIALS

C-ALU blades are 100% made of aluminum, ensuring the best performances in high-temperature and corrosive environments.

MATERIAL	DESCRIPTION	STD. COLOR	OP. TEMPERATURE*
ALU	Aluminum	-	-80°C to +300°C**

\*Contact technical dpt. for customized advice \*\*tested against EN 12101-3:2002 standard by 3rd party lab

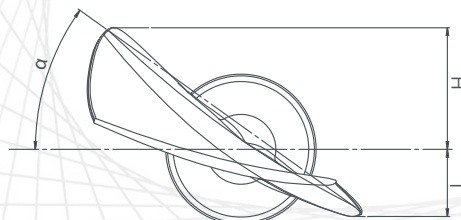
# SPECIFICATIONS AND DIMENSIONS

**C-ALU** impellers are configurable with 5/9/12/16 blades. Blades are available in two models: regular (CL), and short (CL-S) with left setting angles ranging from 25° to 50°.

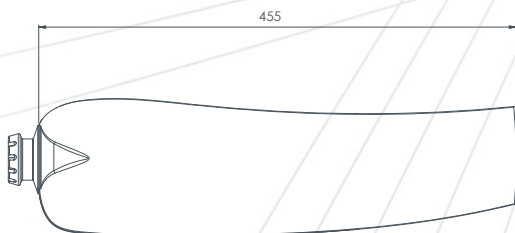
Blade	Hub	Hub Ø [mm]	MIN Ø [mm]	MAX Ø [mm]	Configurations
C-S	5	150	450	801	5-5
	9	200	570	848	9-9
	12	280	570	929	12-12, 12-6
	16	375	720	1026	16-16, 16-8



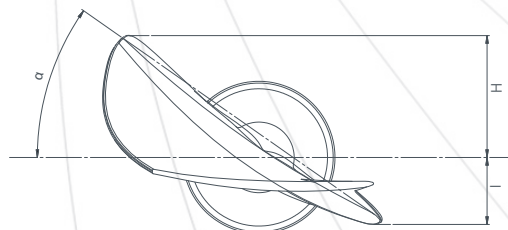
Dimensions by Angle								
$\alpha$	25°	30°	32,5°	35°	37,5°	40°	45°	50°
H	42	47	50	52	55	57	61	65
l	20	24	27	29	31	33	37	40



Blade	Hub	Hub Ø [mm]	MIN Ø [mm]	MAX Ø [mm]	Configurations
C	5	150	450	1057	5-5
	9	200	570	1104	9-9, 9-3
	12	280	570	1185	12-12, 12-6, 12-4
	16	375	720	1282	16-16, 16-12, 16-8



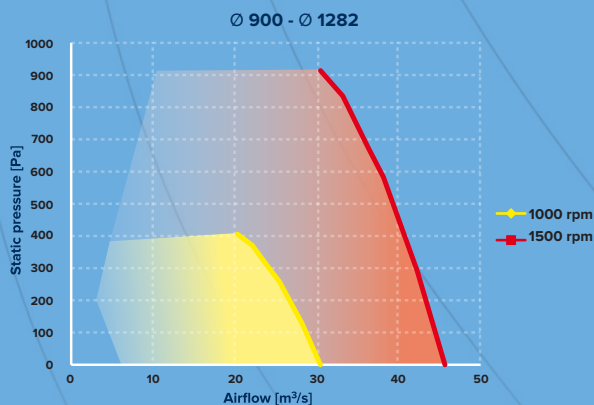
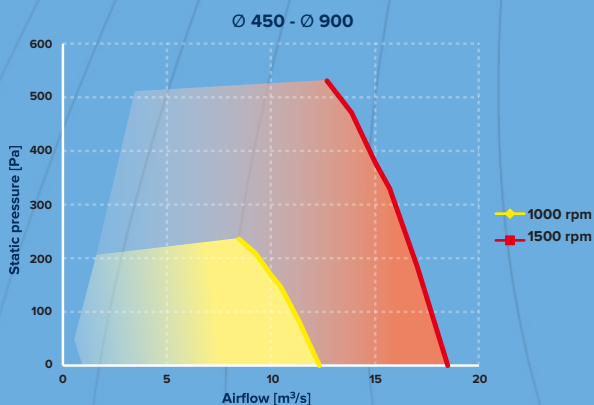
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## ENERGY EFFICIENCY

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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