

HW MAV - METAL AXIAL FAN

METAL AXIAL FAN METAL CASING, EFFICIENT, STRONG AND COMPACT STRUCTURE, PAINTED OR GALVANIZED

DIAM. 320-1610 mm



Metal axial ventilator for dryers and kilns diameter up to 1600 mm

MAV fans are high efficiency duct ventilators, designed to increase airflow performances and lower noise emission.

The fans have diameters ranging from 300 mm to 1250 mm.

The fans normal working temperatures range from -40° C to +120° C, and can reach up to 200/300° C with customized solutions.

MAV fans can be assembled employing a variety of HW Ventilation impellers.

Fixed pitch axial flow impellers – 6/8/10/14 blade configurations

- TS (subtypes G, D) – airfoil profile axial impellers, diameters from 230 mm to 906 mm

- Q – sickle profile axial impellers, diameters from 230 mm to 750 mm

Variable pitch axial flow impellers – 5/9/12/16 blade configurations

- TM (subtypes N, V) – airfoil profile axial impellers, diameters from 300 mm to 1270 mm

- R – reversible axial impellers, diameters from 550 mm to 966 mm

- SR – sickle profile axial impellers, diameters from 550 mm to 1100 mm

- C – sickle profile axial impellers, diameters from 450 mm to 1282 mm

All HW Ventilation impellers have been tested against ErP 2015 directive for energy efficiency of axial

fans in our AMCA 210-07 wind tunnel.

Hubs and bosses are made of a highly resistant light aluminum alloy.

Customized solutions for every special need in terms of performance, design, color are available upon request.

MAV fans are available also in high-temperature resistant versions, which employ C impellers

totally made of aluminum. Such special configurations have been successfully tested by Applus

third-party, according to international standard EN 12101-3:2002. The fan successfully resisted

at a temperature of 200°C for two hours, and at 300°C for two hours.

The full test report is available upon request.

Motor:

High efficiency (IE2, IE3) standard asynchronous three-phase motors.

- Standard tension 400V, 50Hz

- Power from 0.12kW to 15kW

- 2, 4, 6 poles

- Suitable for use with inverter

- Class F insulation

- Housing protection level IP55

- Low noise

- Simple maintenance

- Available configurations: B3 with foot mounting, flange mounted B5, flange

mounted B14

Casing:

Short or long casing made of steel sheet, with fixing flanges.

The casing can be treated with epoxy paint to prevent corrosion and rust.

AISI Inox 304-316 available upon request.

Depending on the casing length, the motor can be totally (long-casing) or partially (short-casing)

inside the casing (see Dimensions).

MAV Ø	A Ø	B Ø	C Ø	D
500	510	560	590	250 ÷ 430
560	570	620	650	300 ÷ 430
630	640	690	720	300 ÷ 430
710	720	770	800	300 ÷ 560
800	810	860	890	350 ÷ 640
900	910	970	1000	350 ÷ 640
1000	1010	1070	1100	350 ÷ 640
1120	1130	1190	1250	1000
1250	1260	1320	1380	1000