



AXS Axial duct fan with motor outside the airflow

Axial fans are used in situations where it is important that the motor is kept out of the airstream (though with suitable access to ambient air) due to the type or temperature of the gases/fumes involved. Higher temperature applications are also available.

Sizes	500 to 1000 dia
Motor	IP55, 230/1/50 or 400/3/50
Capacity	up to 48.000 m ³ /hr.
Pressure	up to 600 Pa
Motors	protected to IP55
Motor	insulation Class 'F'

Maximum Ambient Temperature 200°C

Speed controllable via transformer or inverter)

IP55 terminal box

Suitable for relative humidity levels up to 95% RH

Airflow Motor Impeller / Impeller Motor



APPLICATION

AXS fans are used in ventilation installations, where the fan is connected to air ducts at the inlet and outlet. The electrical motor mounted in a special chamber is completely separated from the stream of transported air. BAXI fans are suitable for use in ventilation systems that require high temperature of transported air, ventilating hoods over furnaces.

CONSTRUCTION

Axial fan with direct drive designed for duct mounting in the horizontal position. The housing is made of welded steel sheet covered with powder paint. The rotor is made of aluminum and dynamically balanced, according to ISO 1940-1. The fans are designed for use within the temperature range -30°C to +200°C. On request, we could supply the equipment tailored to individual customer needs, including: provided with non-standard housing (adjusted length or diameter, made of stainless or galvanized steel). The fans can be supplied

in any color from the RAL palette. Fans with a diameter above 1000 mm individually selected to the specified working point.

MOTOR

Single-phase 230V 50Hz,
three-phase 230/400V 50Hz, 400/690V 50Hz,
degree of protection IP 55, insulation class F,
efficiency IE3
for voltage regulation (single-phase motors),
for frequency control (three-phase motors).

Accessories

Inlet cone / Silencers / Protection grid / Shutters /
Inspection window / Flexible connections / Anti-
vibration mounts / Support feet / Flanges / Switches/
Terminal box / Frequency converters.

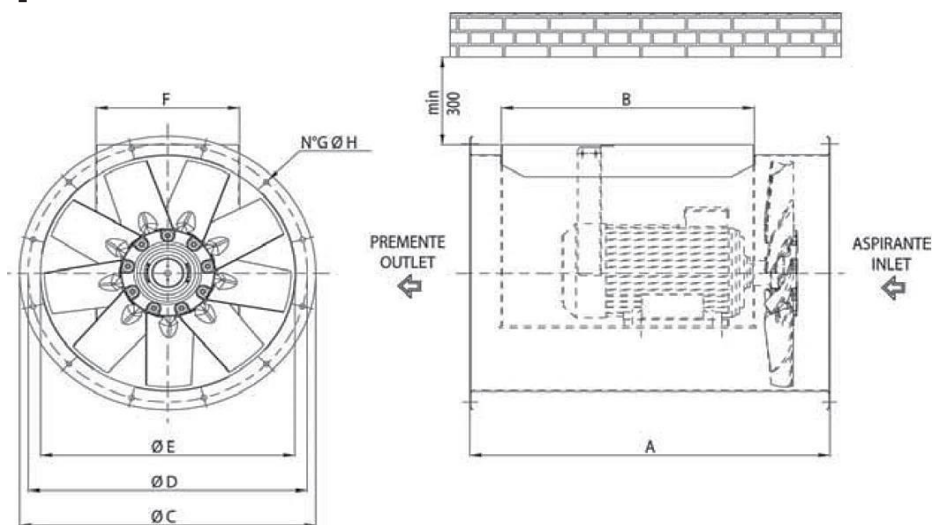




4 poles (1.500 rpm.) – 400/3/50

Model	Capacity max. (m ³ /h)	100 Pa m ³ /h	200 Pa m ³ /h	300 Pa m ³ /h	Pressure max. (Pa stat.)	Motor (kW)	In max. (A)
500/4D/0.55	6.100	4.800	-	-	130	0,55	1,50
500/4D/0.75	7.600	6.200	-	-	130	0,75	1,90
560/4D/1.5	11.400	9.800	-	-	155	1,5	3,17
560/4D/1.1	9.000	7.200	-	-	155	1,1	2,36
630/4D/3.0	16.500	14.700	-	-	190	3	6,39
630/4D/2.2	13.500	11.900	-	-	190	2,2	4,80
800/4D/9.2	32.300	29.800	27.500	25.000	360	9,2	16,71
800/4D/7.5	27.800	25.500	23.200	20.700	360	7,5	14,38
800/4D/5.5	23.000	21.000	18.700	16.200	360	5,5	10,74
900/4D/7.5	32.500	30.000	27.500	24.500	370	7,5	15,0
900/4D/9.2	35.600	34.000	31.500	28.500	390	9,2	18,0
1000/4D/15	48.000	45.000	43.000	40.000	540	15	28,12
1000/4D/11	39.000	36.000	34.000	31.000	540	11	21,67
1000/4D/9.2	32.500	29.500	27.500	24.500	540	9,2	16,71

DIMENSIONS [mm]



Model	A	B	C	D	E	F	G	H
502	650	450	598	560	505	240	12	12
504	650	450	598	560	505	240	12	12
562	800	560	658	620	565	320	12	12
564	650	450	658	620	565	240	12	12
632	800	560	730	690	635	320	12	12
634	650	450	730	690	635	240	12	12
804	800	560	910	860	808	390	16	12
1004	1000	710	1130	1070	1010	430	16	16

