

CABINET CENTRIFUGAL FANS

SERIES AQ

➔ for duct application

DESCRIPTION:

The cabinet centrifugal fans of AQ series are designed for use in ventilation systems of both civil and commercial environments like houses, gyms, shops, bars, etc.

Thanks to the inside covering in sound proof material, this type of product guarantees a very quiet operation, indispensable for the environments they are intended for. The body frame allows the fan to be installed on the ceiling and false ceilings.

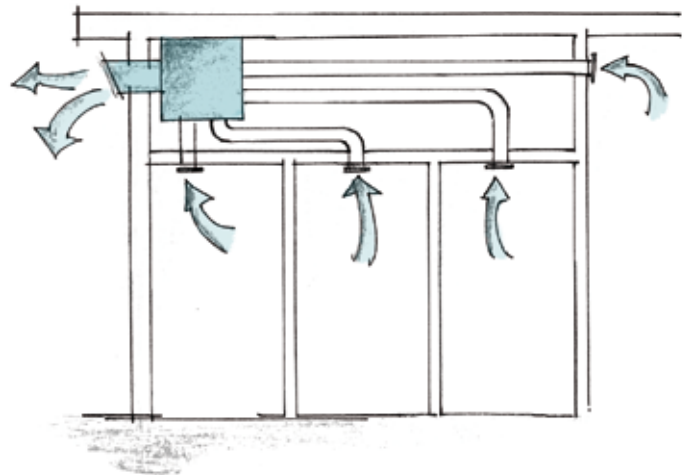


MAIN FEATURES:

- The frame is made of press formed steel sheets.
- Galvanized steel panels, removable and covered inside with sound proof and self extinguishing material.
- The centrifugal fans mounted on the cabinets of the AQ series have a double intake and a galvanized steel structure.
- The forward curved impeller connected to the motor is suitable for transfer of dust-free air.
- "LONG LIFE" ball bearings motor directly cooled by the airflow.
- For continuous operation in environments with air temperature range $-20^{\circ}\text{C} \div +40^{\circ}\text{C}$.
- Rectangular shaped expulsion duct.
- Air intake made by the installer on the appropriate panel.
- No air intake has to be made on the lateral panels, in order to not affect actual performances of the fan. The air intake must be obtained from a section larger than the section of the expulsion duct.
- Complies Reg. (UE) 1253/2014

ACCESSORIES:

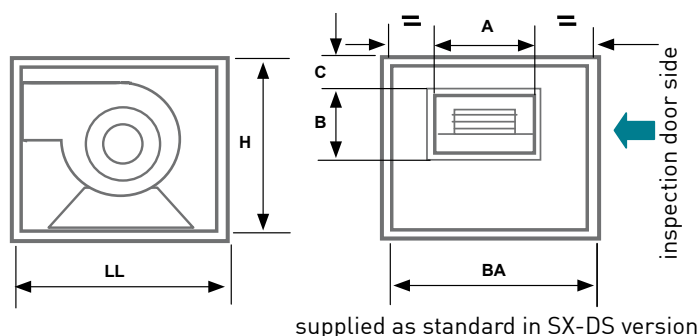
- Phase slicing speed regulator for monophase motors.
- Set of supports.
- Eye bolts kit (suitable to lift it up the fan).
- Expulsion duct portion with net.



DIMENSIONS

MODEL	A	B	C	BA	LL	H
AQ 9/7	232	262	50	500	500	500
AQ 9/9	300	262	150	600	600	600
AQ 10/10	331	289	90	600	600	600
AQ 12/9	311	342	160	750	750	750
AQ 12/12	395	342	160	750	750	750

Dimensions (mm)



TECHNICAL SPECIFICATIONS

AQ SERIES - MONOPHASE

230V - 50HZ

CODE	MODEL	m ³ /h	Pt max mmH ₂ O	Ref. curves	Rpm nom.	MOTOR				dB(A) 3mt	Kg
						Kw	A	Cl. Is.	IP		
4 POLES											
AP13003	AQ 9/7 M4	3200	52	1	1400	0,373	3,8	F	44	53,2	11,3
AP13004	AQ 9/9 M4	4000	49	2	1400	0,55	4,4	F	20	56,5	13,7
AP13006	AQ 10/10 M4	3800	69	3	1400	0,55	4,5	F	44	60,5	15,3
6 POLES											
AP13012	AQ 12/9 M6	5500	36	4	950	0,73	7,59	F	20	60,8	25,8
AP13013	AQ 12/12 M6	6000	31	5	950	1,1	8,35	F	20	61,1	36,2

The noise level dB(A) refers to the fan present inside the cabinet.

AQ SERIES - THREE-PHASE

400V - 50Hz

CODE	MODEL	m ³ /h	Pt max mmH ₂ O	Ref. curves	Rpm nom.	MOTOR				dB(A) 3mt	Kg
						Kw	A	Cl. Is.	IP		
6 POLES											
AP13015	AQ 12/9 T6	7100	37	6	950	1,1	4	F	20	63,3	24,5
AP13016	AQ 12/12 T6	7600	36	7	950	1,1	9,4/5,4	F	20	64,7	24,5

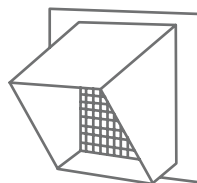
The noise level dB(A) refers to the fan present inside the cabinet.

ACCESSORIES

DUCT PORTION WITH NET

This accessory allows to expel the air horizontally and it does not let foreign bodies or rain to enter into the fan.

CODE	MODEL
AP19351	TCE 9/7
AP19352	TCE 9/9
AP19354	TCE 10/10
AP19355	TCE 12/9
AP19356	TCE 12/12



SET OF 4 LIFTING EYEBOLT SUPPORTS

CODE	MODEL	to control the AQ series models
AP19375	COV 1	9/7 M4
AP19376	COV 2	9/9 M4, 10/10 M4
AP19377	COV 3	12/9 M6, 12/9 T6, 12/12 M6, 12/12 T6

SET 4 EYEBOLTS

CODE	MODEL	to control the AQ series models
AP19360	SET 4G1	9/7 M4, 9/9 M4
AP19361	SET 4G2	10/10M4
AP19362	SET 4G3	12/9 M6, 12/12 M6

SET 4 SUPPORTS

CODE	MODEL
AP19365	SET 4P

MONOPHASE SPEED REGULATORS

CODE	MODEL	to control the AQ series models
AP2642	RDV 5-MF	9/7 M4

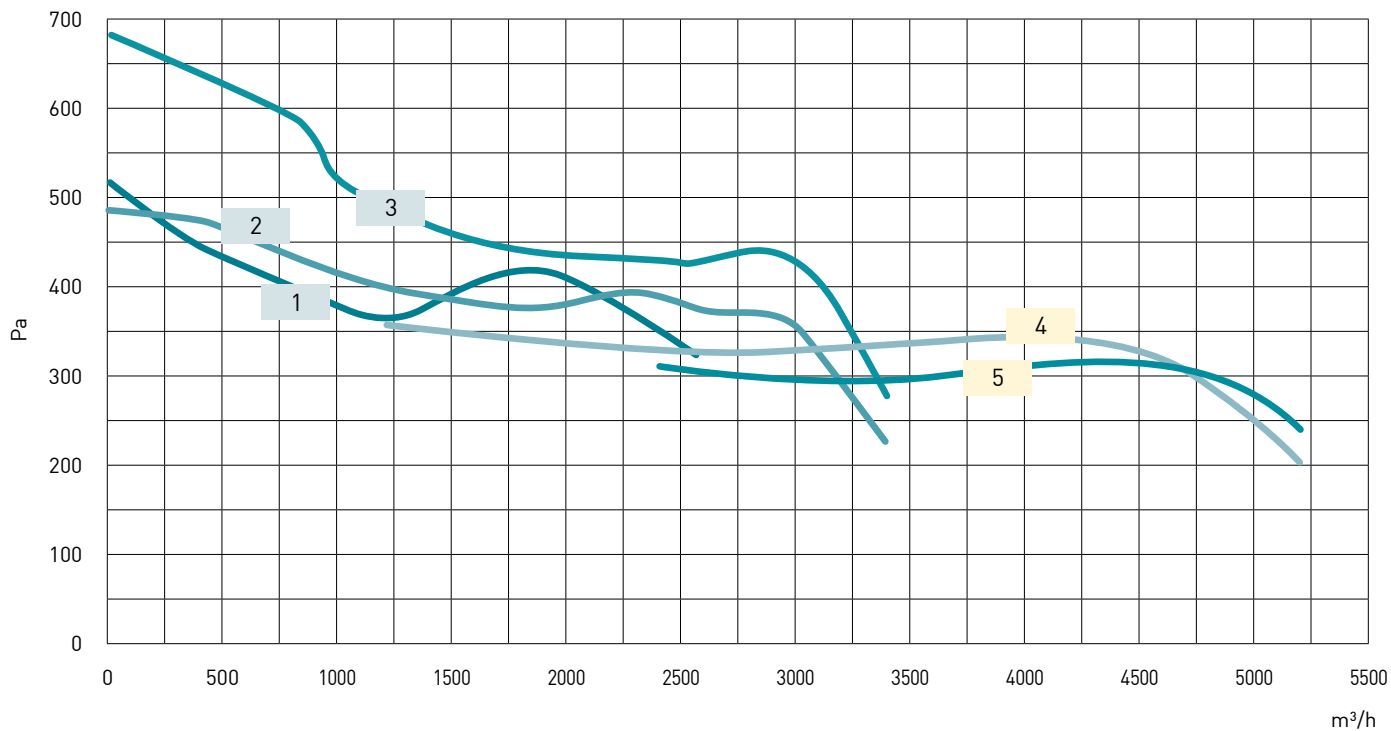
CODE	MODEL	to control the AQ series models
AP2645	RDV 10D-MF	9/9 M4, 10/10 M4, 12/9 M6, 12/12 M6



CHARACTERISTIC CURVES

AQ SERIES - 4 POLES- 1400 RPM - MONOPHASE

- | | | | | | |
|---|--------|---|----------|---|----------|
| 1 | 9/7 M4 | 3 | 10/10 M4 | 5 | 12/12 M4 |
| 2 | 9/9 M4 | 4 | 12/9 M4 | | |



AQ SERIES - 6 POLES - 950 RPM - THREE-PHASE

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|---|---------|---|----------|
| 8 | 12/9 T6 | 9 | 12/12 T6 |
|---|---------|---|----------|

