

# CABINET CENTRIFUGAL FANS

## AQL SERIES

➔ for duct application

### DESCRIPTION:

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

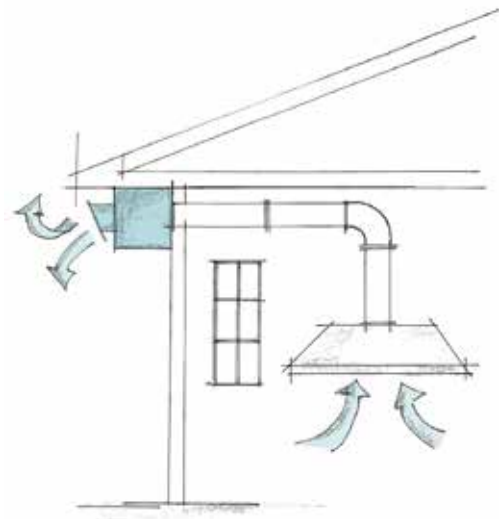
Thanks to the inside covering in sound proof material, this type of product guarantees a very quiet operation, indispensable for the environments they are intended for.

For industrial kitchens hoods application, the cabinets of the AQL-DP are supplied with an IP55 motor and a double galvanized steel structure internally coated with a 40 Kg/m<sup>3</sup> density thermoacoustic insulating polyurethane foam.



### MAIN FEATURES:

- The frame is made of extruded aluminium bars.
- The panel system, made of galvanized steel sheet, is removable and is covered inside with sound proof and self extinguishing material.
- The centrifugal fans mounted on the cabinets of the AQL series have a double intake and a galvanized steel structure.
- The forward curved impeller connected directly 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°C ÷ +40°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

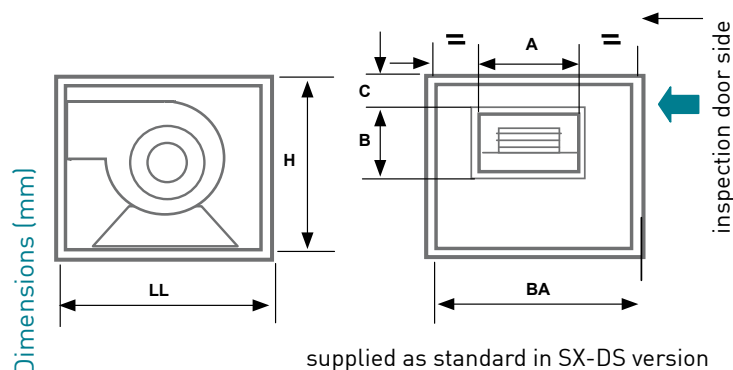


### ACCESSORIES:

- Phase slicing speed regulator for monophase motors.
- Set of supports.
- Expulsion duct portion with net.
- Fan cover for outdoor use.

## DIMENSIONS

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



## TECHNICAL SPECIFICATIONS

### AQL SERIES - MONOPHASE

230V - 50HZ

CODE	MODEL	m <sup>3</sup> /h	Pt max mmH <sub>2</sub> O	Ref. curves	Rpm nom.	MOTOR				dB(A) 3mt	Kg
						Kw	A	Cl. Is.	IP		
<b>4 POLES</b>											
AP13023	AQL 9/7 M4	3200	52	1	1400	0,373	3,8	F	44	53,2	11,3
AP13024	AQL 9/9 M4	4000	49	2	1400	0,55	4,4	F	20	56,5	13,7
AP13025	AQL-DP 9/9 M4	4000	49		1400	0,55	4,4	F	20	56,5	15
AP13027	AQL 10/10 M4	3800	69	3	1400	0,55	4,5	F	44	60,5	15,3
AP13028	AQL-DP 10/10 M4	3800	69			0,55	4,5	F	44	60,5	17
<b>6 POLES</b>											
AP13037	AQL 12/9 M6	5500	36	4	950	0,73	7,59	F	20	60,8	25,8
AP13038	AQL 12/12 M6	6000	31	5	950	1,1	8,35	F	20	61,1	36,2
AP13039	AQL-DP 12/12 M6	6000	31		950	1,1	8,35	F	20	61,1	38

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

### AQL SERIES - MONOPHASE

230V - 50HZ

CODE	MODEL	m <sup>3</sup> /h	Pt max mmH <sub>2</sub> O	Rif. curve	Rpm nom.	MOTOR				dB(A) 3mt	Kg
						Kw	A	Cl. Is.	IP		
<b>6 POLES</b>											
AP13037	AQL 12/9 M6	5500	36	6	950	0,73	7,59	F	20	60,8	25,8
AP13038	AQL 12/12 M6	6000	31	7	950	1,1	8,35	F	20	61,1	36,2
AP13039	AQL-DP 12/12 M6	6000	31		950	1,1	8,35	F	20	61,1	38

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

### AQL SERIES - THREE-PHASE

400V - 50Hz

CODE	MODEL	m <sup>3</sup> /h	Pt max mmH <sub>2</sub> O	Rif. curves	Rpm nom.	MOTORE				dB(A) 3mt	Kg
						Kw	A	Cl. Is.	IP		
<b>6 POLES</b>											
AP13045	AQL 12/9 T6	7100	37	8	950	0,73	7,59	F	20	60,8	25,8
AP13046	AQL 12/12 T6	7600	36	9	950	1,1	8,35	F	20	61,1	36,2
AP13047	AQL-DP 12/12 T6	7600	36		950	1,1	8,35	F	20	61,1	38

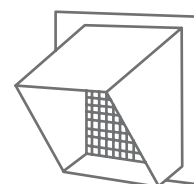
The noise level dB(A) refers to the fan present inside the cabinet.

## ACCESSORIES

### DUCT PORTION WITH NET

This accessory allows to expell the air horizontally and to avoid the entry of foreign bodies or rain 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



### FAN COVER FOR OUTDOOR USE

CODE	MODEL	for the AQL 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 AQL 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 AQL series models
AP2642	RDV 5-MF	9/7 M4



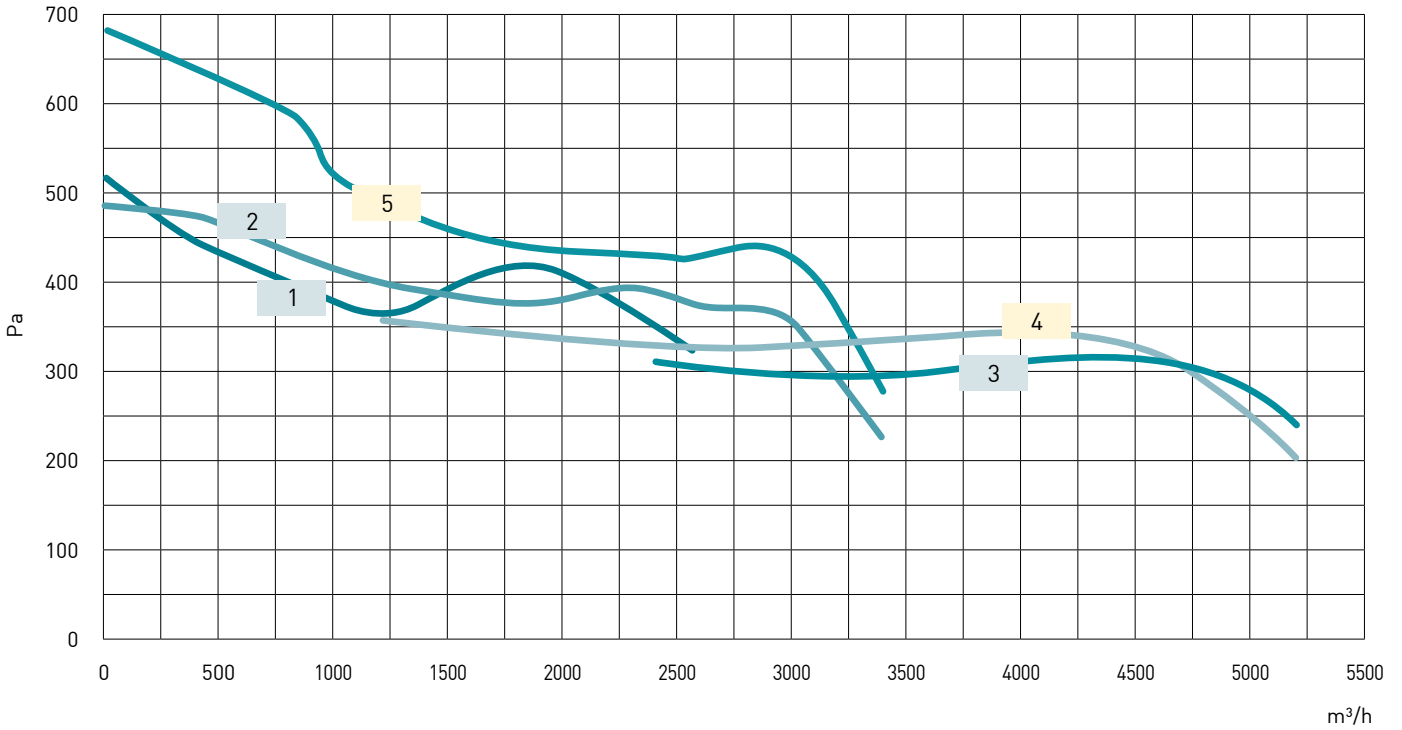
CODE	MODEL	to control the AQL series models
AP2645	RDV 10D-MF	9/9 M4, 10/10 M4, 12/9 M6, 12/12 M6



# CHARACTERISTIC CURVES

AQL 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



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

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

