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AK210.30.100.2,7

FUME EXTRACTOR FOR SOLID FIRED BOILERS

OPERATION MANUAL

Rev A: Nov 2013
13 001 EG

INTRODUCTION and WARNINGS

This manual comprises the information concerning the operation, use and maintenance of AK210.30.100.2,7 Model fume extractor for solid fired boiler. This manual alone is not sufficient for correct installation, operation and use, installers, services and user must obey the rules specified in current EN + current Local norms, current EC directives and current Local codes. This manual gives the supplementary information and precautions.

Keep this booklet near the appliance in a safe place for future reference.

Please read the manual very carefully, in order to be able to operate your fan safely and with high efficiency for a long period.

Due to the continuous development in the methods, design and the manufacturing, the contents of this document may change at any time and without prior notice. Producer or distributor do not accept any responsibility for errors or damage of any kind that might be attributed to this publication.

All installation, assembly and maintenance, repair, replacement of components must be carried out exclusively by a fully trained, professionally qualified personnel and must conform with this manual and the local codes and requirements of the authority having jurisdiction, or in the absence of such requirements, apply to the EEC directives and European norms (EN).

Before starting assembly, repairs or maintenance, as well as during any connection works, please make sure that the mains power supply is disconnected and that terminals and electric wires are devoid of voltage.

There is risk of electricity, so wait for a while after disconnecting the wire connections after shut-off before servicing.

Do not remove cover, and do not touch the any surfaces. There can be hot surface according to operating conditions.

Do not touch rotating rotor and propeller.

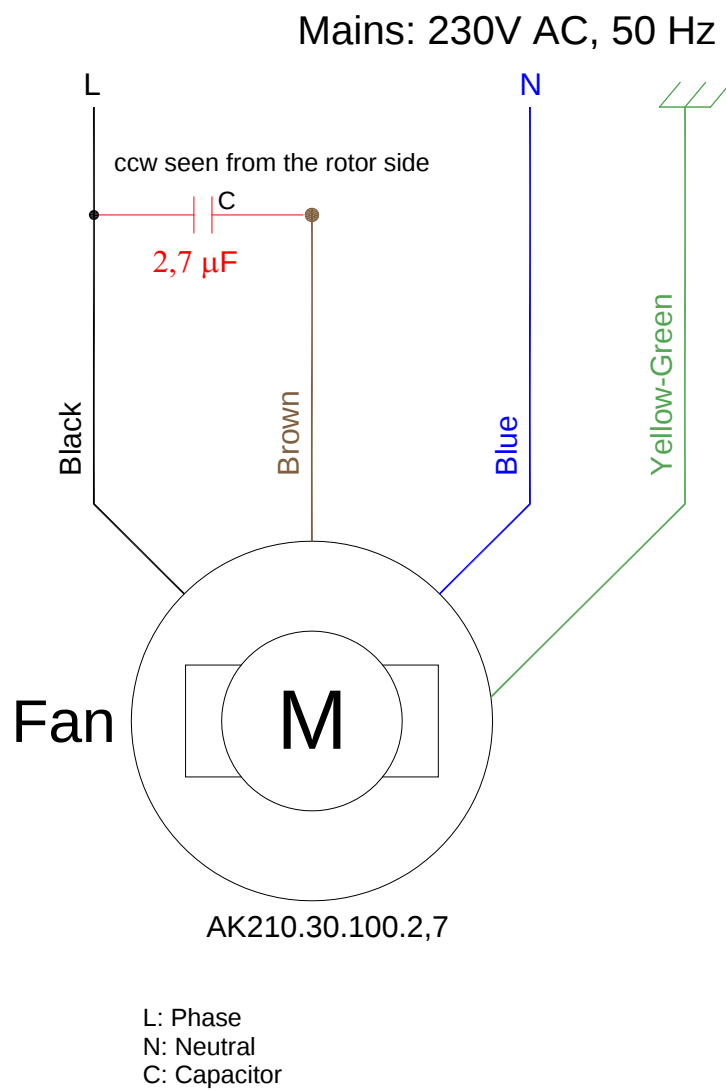
TECHNICAL SPECIFICATIONS

Type: AK210.30.100.2,7

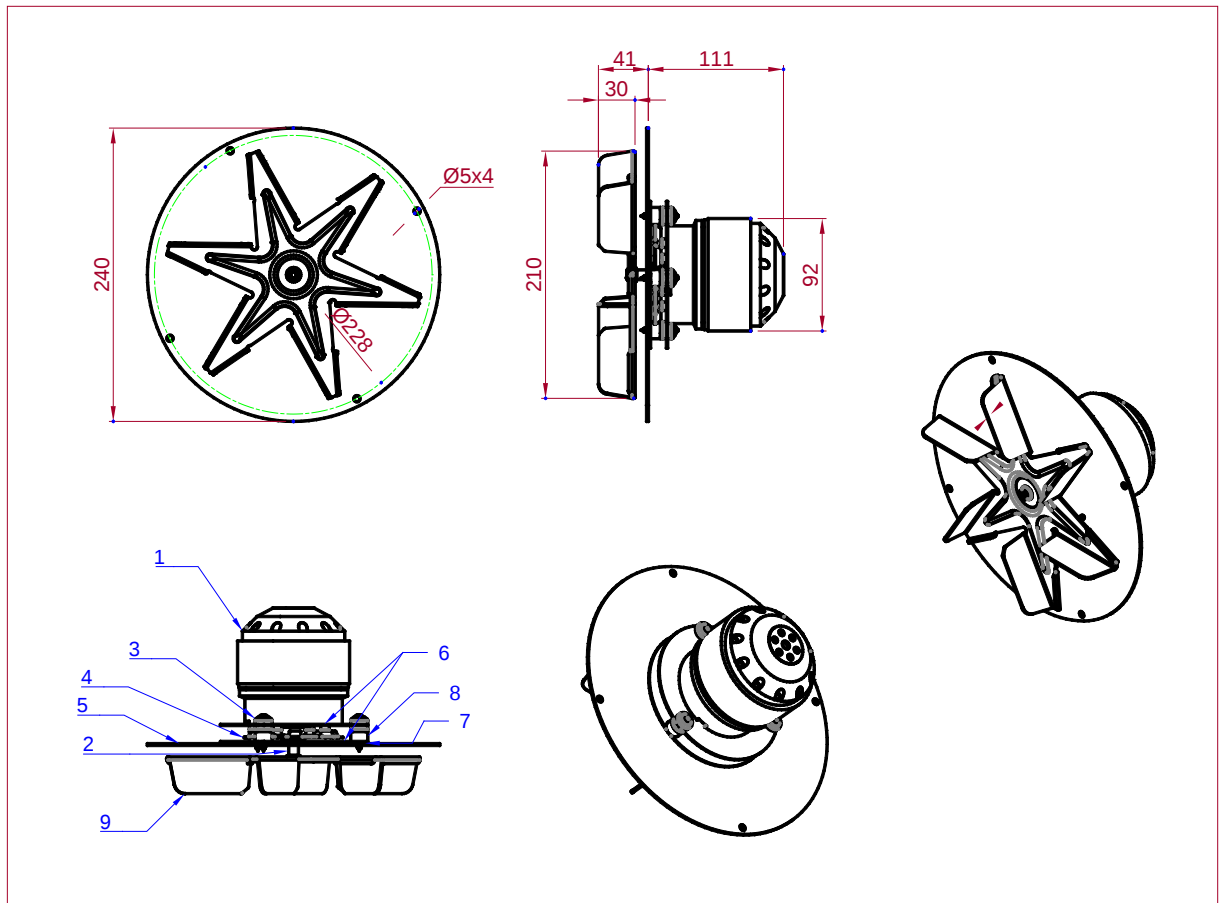
Fan	Value	Unit
Voltage	230	V _{ac}
Frequency	50 - 60	Hz
Speed	2500 - 2800	rpm
Input Load	100 - 110	W
Output Power	60	W
Operating Current	0,55	A
Max. Motor Current*	1.1	A
Capacitor	2.7±5%	µF
Capacitor Voltage	500	V _{ac}
Capacitor Standart	P0 (CE)	
Min.Back Pressure	0	Pa
Operating Ambient Temperature	-40 / 70	°C
Propeller Diameter	210	mm
Number of Blades	6	pcs.
Propeller Material	Electro-galvanised S235JR sheet plate	
Fan Flanges	S235JR	
Vibration Damper Rubbers	EPDM	
Cooling Propeller	Aluminium	
Direction of Rotation	CCW seen on rotor	
Isolation	Class F	
Motor Protection to avoid overheating	145 ±5	°C

* Locked rotor current

ELECTRICAL CONNECTIONS SCHEMA



MAIN DIMENSIONS AND PARTS



No	Descriptions
1	Fan Rotor
2	Shaft
3	Rubber Springs
4	Cooling Propeller
5	Fan Flange
6	Intermediate Flange
7	Gasket
8	Aluminum Spacers

FAN PERFORMANS CHART

