

SPECIFICATION FOR APPROVAL

To:		Sample issue no.:	
P/N:	C22S23HKBD00	Sample issue date:	
Description:	218x218x83mm AC Fan	Sample q.ty:	

1. SCOPE

This specification defines the electrical and mechanical characteristics of the AC fan.

2. STANDARD SAFETY APPROVAL

<input type="checkbox"/> UL	<input type="checkbox"/> A cCSAus	<input type="checkbox"/> VDE	<input type="checkbox"/> TUV
<input type="checkbox"/> CUL	<input type="checkbox"/> BS	<input type="checkbox"/>	<input type="checkbox"/> A CE

A = APPROVED

P = PENDING



Part. No.: C22S23HKBD00

3.0 TECHNICAL DATA

Features		
Rated Voltage	230	VAC
Operating Voltage Range	216 – 244	VAC
Frequency	50/60	Hz
Input Power	70/85	W
Input Current	0.31/0.37	A
Rated Speed	2480/2650	RPM
Max Air Flow	812/917	m ³ /h
Max Air Pressure	224(22.8) / 254(25.9)	Pa (mm H ₂ O)
Noise Level	61.0/63.0	dB(A)

Leakage Current	The leakage current, measured between casing and terminals supply, is not over 0.75 mA, when the fan is supplied at Rated Voltage + 6% in conformity with EN 60335 standard.		
Electric Strength	The insulation is subjected for 1 min to a voltage of 1250 VAC having a frequency of 50 Hz or 60 Hz between casing and terminals. No breakdown shall occur during the test.		
Life Expectance (L10)		L10 at 40°C	L10 at max Oper. Temp.
	Ball bearing	40,000	20,000
	At rated voltage, shaft horizontal, continuous operation and relative humidity of 65%.		
Rotation	CCW looking at name plate side		
Air Flow Direction	Air exhaust over struts.		
Motor Protection	Thermally protected against running overload.		
Insulation Class	F class in accordance to IEC 85 standard.		
Degree of Protection	IP44 code in compliance with EN 60529 standard.		
Connection	Electrical connection via terminal block 3 pins (L-N-PE). Earth connection via 2 holes M4 thread on the casing.		

3.1 TESTS CONDITION

3.1 Input Current and Power: Measured after 30 minutes of continuous rotation at rated voltage.

3.2 Rated Speed: Measured after 30 minutes of continuous rotation at rated voltage.

3.3 Air Flow and Static Pressure: Determined in reference to AMCA 210 standard. The curve applies an air density of 1,2 Kg/m³.

3.4 Noise Level: Measured in reference to DIN 45635 standard in anechoic chamber with the microphone positioned 1 meter from the air intake.

Part. Nr : C22S23HKBD00

4.0 MECHANICAL

- 4.1 **Dimensions:** See Attachment.
4.2 **Casing Material:** Die cast aluminum alloy.
4.3 **Fan Blade Material:** Glass fiber reinforced plastic (PA 6/6)
4.4 **Bearing System:**

4.41 Two Balls

4.5 **Weight:** 1910 g.

5.0 ENVIROMENTAL

5.1 **Operating Temperature:**

5.10 Ball bearing -40°C to +70°C

5.2 **Storage Temperature:** -30°C to +75°C

6.0 PROTECTION

6.1 **Abnormal operation:** the winding temperature is not over 180°C at the steady conditions, when the fan is operated under lock rotor conditions and supplied at Rated Voltage, in accordance with the EN 60335 standard.

7.0 RESPOSABILITY

Electrical connections have to be carried out by qualified technicians and according to existing safety rules. Be careful that the fan can be subjected to sudden stops during operation not due to product defects. In case the fan has to guarantee a continuous operation without stops, it is necessary to install at least an alarm device for the signaling of the stop condition of the fan.

The technical specifications stated hereby are approximate only. The manufacturer reserves anyway the right to modify them giving previous written notice to customers who are entitled to cancel the orders not yet supplied.

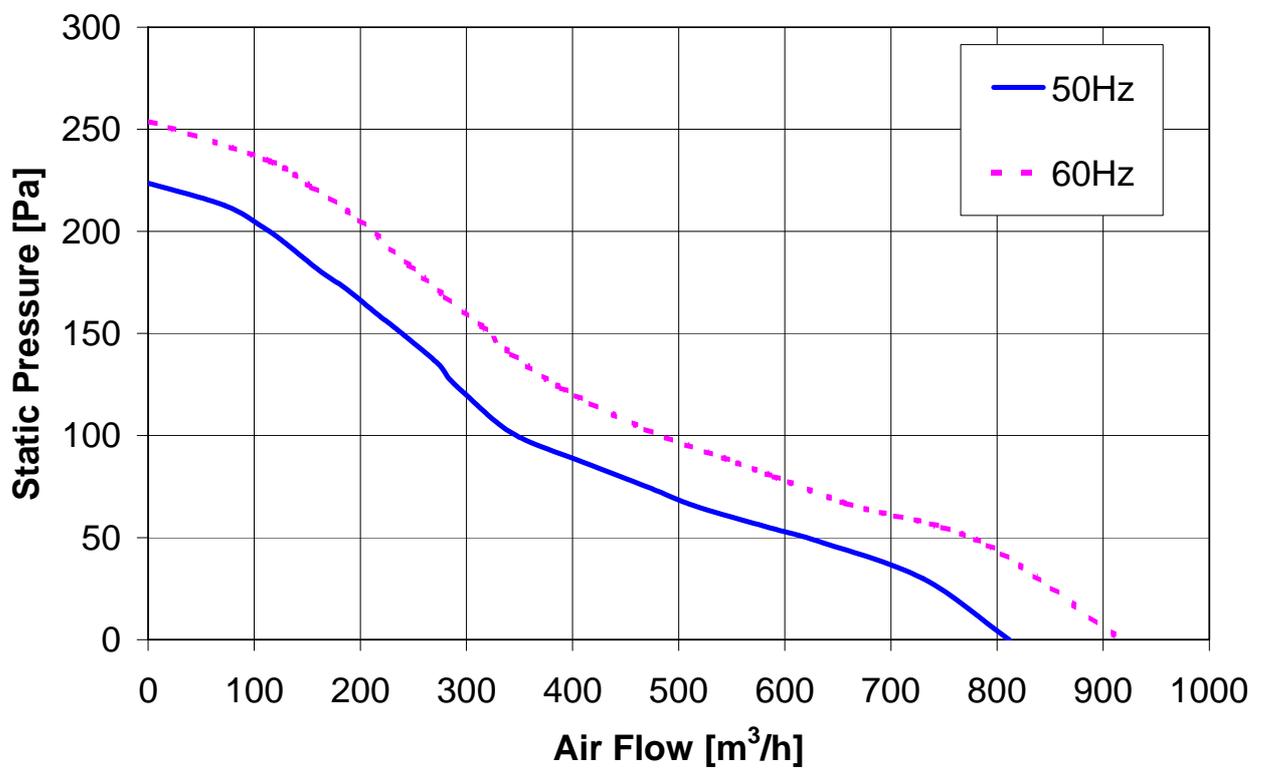
8.0 PRODUCTION LOCATION

Made in France



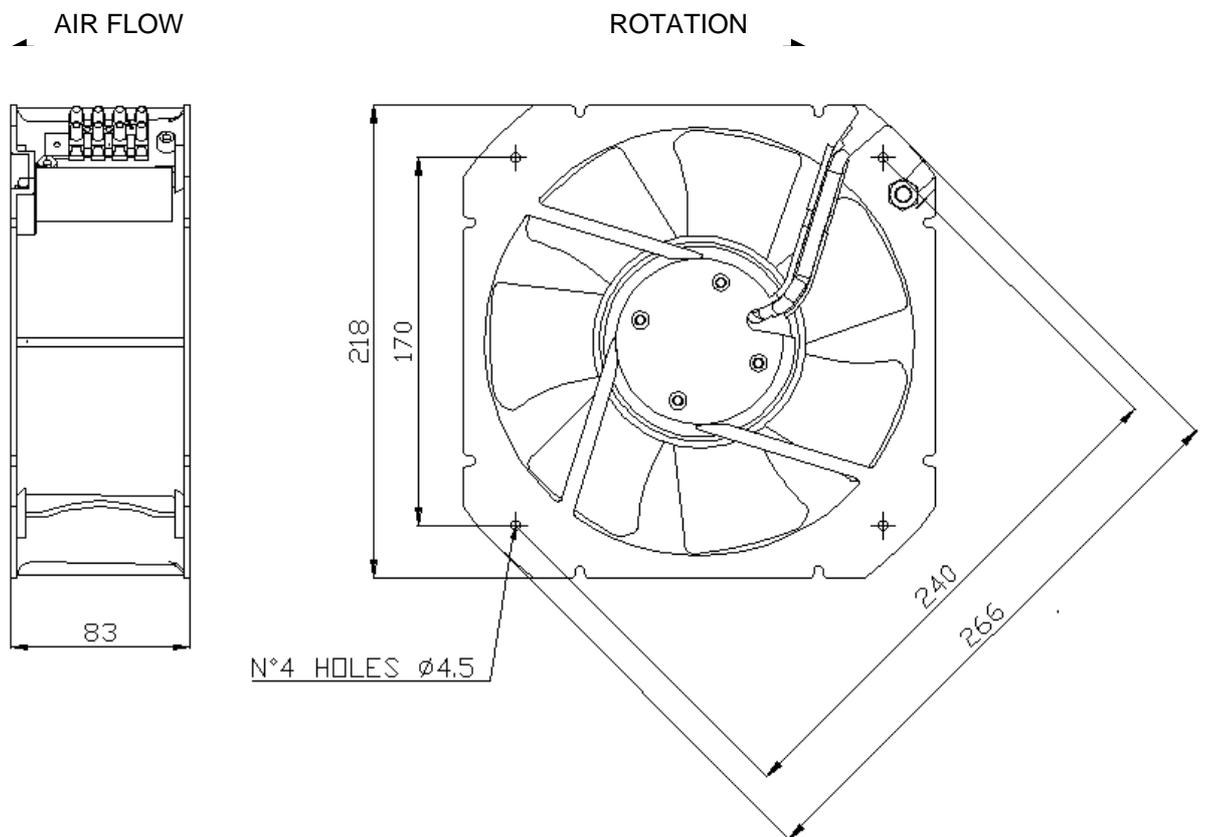
P/N: **C22S23HKBD00**

The curve of performances at rated voltage



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Dimensions drawing [mm]



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