

**AXC(F) / F400 (120)**

Mechanical smoke and heat extraction device;  
Smoke extract axial fan series AXC(F);  
Nominal diameter: 315-1.600 mm;  
Class: F400 (120)

**Systemair GmbH  
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97944 Boxberg**

The international research laboratory BSRIA in Bracknell; UK (authorised testing authority N° 0480) has determined the characteristics of the product after an initial test. The authorised testing authority BSI (N° 0086) has carried out an initial factory inspection and a factory production control according to system 1 of the Construction Products Regulation. The testing authority carries out ongoing monitoring, assessment and evaluation of the factory production control and issued the certificate 0086-CPR-578672.

**Declared performance**

The declared performance, described in appendix ZA of the standards DIN EN 12101-3; 2015 have been applied and the product fulfils all following, essential characteristics.

Performance	Features		Harmonised Technical Specification
Mechanical smoke and heat extraction devices (fans) and flexible connections			
Classification			
[X]	FEI <sub>200</sub>	120	
[X]	FEI <sub>250</sub>	120	
[X]	FEI <sub>300</sub>	120 <sup>a)</sup>	
[X]	FEI <sub>400</sub>	120	
[ ]	FEI <sub>600</sub>	60	
[ ]	FEI <sub>842</sub>	30	
a) The result of the product testing was a minimum duration of 120 min.			
1. Temperature load direction <sup>1)</sup>			
[X]	I -> O <sub>A</sub> outside buildings without insulation		
[X]	I -> O <sub>AI</sub> outside buildings with insulation		
[X]	I -> O <sub>G</sub> inside buildings, outside fire room without insulation		
[X]	I -> O <sub>GI</sub> inside buildings, outside fire room with insulation		
[X]	I <- -> O inside the fire room		
2. Installation position <sup>1)</sup>			
[X]	h horizontal axis, floor installation		
[ ]	h <sub>W</sub> horizontal axis, wall installation		
[ ]	h <sub>D</sub> horizontal axis, ceiling installation		
[X]	v <sub>dpup</sub> vertical axis, pressure		
[X]	v <sub>dpdo</sub> vertical axis, suction		
[ ]	v <sub>W</sub> vertical axis, wall installation		
[ ]	v <sub>D</sub> vertical axis, ceiling installation		
3. Flexible connection <sup>1)</sup>			
[X]	e <sub>s</sub> flexible connection suction side		
[X]	e <sub>D</sub> flexible connection pressure side		
[X]	e <sub>s,D</sub> flexible connection suction / pressure side		
[ ]	e <sub>Sair</sub> flexible connection cooling air		
4. Cooling air <sup>1)</sup>			
[ ]	c <sub>Air,q</sub> Volumetric flow cooling air Air = min. volumetric flow q = max. cooling air temperature		
5. Starting type <sup>1)</sup>			
[X]	AA or MA (automatic or manual)		
6. Snow load <sup>1)</sup>			
[ ]	SL0 without deflector		
[ ]	SL121		
[ ]	SL250		
[ ]	SL500		

<input type="checkbox"/>	SL1000 with deflector FSL	
<input type="checkbox"/>	SLA	
<b>7. Wind load<sup>1)</sup></b>		
<input type="checkbox"/>	WL 1500	
<input type="checkbox"/>	WL 3000	
<input type="checkbox"/>	WLA	
<b>8. Approved accessories</b>		
<input checked="" type="checkbox"/>	Flexible connection	
<input checked="" type="checkbox"/>	Spring damper (FSD)	
<input checked="" type="checkbox"/>	Silencer	
<input checked="" type="checkbox"/>	Mounting feet, brackets	
<input checked="" type="checkbox"/>	Damper	
<input checked="" type="checkbox"/>	Diffuser	
<input checked="" type="checkbox"/>	Protective grille	
<input type="checkbox"/>	Base	
<input type="checkbox"/>	Noise damping base	
<input checked="" type="checkbox"/>	Inlet cone	
<input checked="" type="checkbox"/>	Terminal box	
<input checked="" type="checkbox"/>	Service switch	
<input checked="" type="checkbox"/>	Deflector	
<input checked="" type="checkbox"/>	Frequency converter	Test report 60458/1
<input checked="" type="checkbox"/>	Motorized roof hatch for smoke and heat extraction (MRH)	Test report P 0155/17-530-1
<sup>1)</sup> Manufacturer's specification		

The performance of the product AXC(F) / F400 (120) corresponds to the declared performance. This declaration of performance is issued under the sole responsibility of the manufacturer. Signed on behalf and in the name of the manufacturer by

Boxberg, 03.12.2018



ppa. Harald Rudelgass, technical director