

1	<b>Unique identification code of the product-type:</b>	<p>MUB/F<sup>2</sup> 042...062<sup>1</sup> 400...630<sup>3</sup> x</p> <p><sup>1</sup> fan size  <sup>2</sup> tested 400 °C / 2 h  <sup>3</sup> impeller diameter  x: motor type  All Systemair MUB fans with the identifier (F) have the performance stated in this document.</p>
2	<b>Serial number</b>	see name plate of the fan
3	<b>Intended use:</b>	Mechanical smoke and heat extraction device
4	<b>Manufacturer:</b>	Systemair GmbH; Seehöfer Straße 45; 97944 Boxberg; Germany
6	<b>System of AVCP:</b>	System 1
7	<b>Harmonised standard:</b>	DIN EN 12101-3; 2015
	<b>Notified body:</b>	<p>The international research laboratory Applus in Barcelona (authorised testing authority N° 0370) has determined the characteristics of the product after an initial test. The authorised testing authority BSI (N° 2797 and N° 0086) has carried out an initial factory inspection and a factory production control according to system 1 of the Construction Products Regulation (Regulation (EU) No 305/2011). The testing authority carries out ongoing monitoring, assessment and evaluation of the factory production control and issued the following certificates of performance:</p> <ul style="list-style-type: none"> <li>• 2797-CPR-719672 (EU)</li> <li>• 0086-CPR-795391 (UK)</li> </ul>
8	<b>Essential Characteristics (DIN EN 12101-3; 2015):</b>	
	<b>Response delay:</b>	
	Opening under wind load within a given time.	NPD (No Performance Determined)
	Opening under snow load within a given time.	NPD
	<b>Operational reliability</b>	
	Application categories	see Annex 1
	Motor rating	ISO H / 110 K
	<b>Effectiveness of smoke / hot gas extraction</b>	
	Gas flow maintenance during smoke and heat extraction test.	+/- 10 %
	Pressure maintenance during smoke and heat extraction test.	+/- 20 %

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**Resistance to fire**

Classification according to EN 13501-4	F400 (120)
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**Ability to open under environmental conditions**

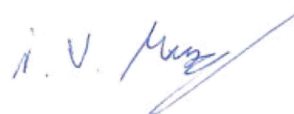
Opening under wind load withing a given time.	NPD
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Opening of deflector FSL under snow load within a given time.	NPD
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<b>Durability of operational reliability</b>	ISO H / 110 K
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The performance of the product identified above **(1)** is in conformity with the set of declared performance **(8)**.  
This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer **(4)** identified above.

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Boxberg, 02.01.2024A handwritten signature in blue ink, appearing to read "i.V. Muxfeldt".

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i.V. Matthias Muxfeldt, Technical Director

ANNEX 1 / Complementary information on Installation / Application (EN 12101-3:2015 / Table F.8)

Mechanically driven exhaust appliances for smoke and heat control fans			
Classification			
	Class	Temperature [°C]	Time [min]
[X]	F <sub>200</sub>	200	120
[X]	F <sub>300</sub>	300	60
[X]	F <sub>400</sub>	400	120
[X]	F <sub>400</sub>	400	90
[ ]	F <sub>600</sub>	600	60
[ ]	F <sub>842</sub>	-	
1) Location of the fan and insulation if so			
[X]	outside the building without thermal insulation		
[ ]	outside the building including thermal insulation		
[X]	inside the building but outside of the smoke reservoir without thermal insulation		
[ ]	inside the building but outside of the smoke reservoir including thermal insulation		
[X]	inside the smoke reservoir		
[X]	in the fire compartment		
2) Installation			
The specifications in the fan's manual regarding permissible installation positions of the fan have to be considered.			
[X]	horizontal motor shaft, floor standing		
[X]	horizontal motor shaft, wall mounted		
[ ]	horizontal motor shaft, suspended from ceiling		
[ ]	vertical motor shaft, impeller below the motor		
[ ]	vertical motor shaft, impeller above the motor		
[ ]	vertical motor shaft, mounted onto the face of wall		
[ ]	vertical motor shaft, suspended from ceiling		
Mechanically driven exhaust appliances for smoke and heat control fans			
3) Flexible connections tested with the fan			
[X]	flexible connection inlet side		
[X]	flexible connection outlet side		
[X]	flexible connection inlet and outlet side		
[ ]	flexible connection cooling air connection		
4) Cooling air			
[ ]	c <sub>Air,q</sub> Volumetric flow cooling air Air = min. volumetric flow q = max. cooling air temperature		
6) Snow load			
[ ]	SL0 without deflector		
[ ]	SL125		
[ ]	SL250		
[ ]	SL500		
[ ]	SL1000 with deflector FSL		

<input type="checkbox"/>	SLA
7) Wind load	
<input type="checkbox"/>	200 Pa
8) Application	
<input checked="" type="checkbox"/>	D.O.L. (direct on line) only
<input checked="" type="checkbox"/>	with frequency converter The conditions vary between the different tested sizes.
<input checked="" type="checkbox"/>	Dual purpose
<input checked="" type="checkbox"/>	Emergency only
<b>Approved accessories</b>	
<input checked="" type="checkbox"/>	Flexible connection
<input type="checkbox"/>	Spring damper (FSD)
<input checked="" type="checkbox"/>	Silencer
<input checked="" type="checkbox"/>	Mounting feet, brackets
<input checked="" type="checkbox"/>	Damper
<input type="checkbox"/>	Diffuser
<input checked="" type="checkbox"/>	Protective grille
<input type="checkbox"/>	Inlet cone
<input type="checkbox"/>	Terminal box
<input type="checkbox"/>	Revision switch
<input type="checkbox"/>	Deflector
<input checked="" type="checkbox"/>	Frequency converter