

# Certificate of Constancy of Performance

This is to certify that:

Systemair GmbH  
Seehöfer Straße 45  
Windischbuch  
97944  
Germany

Holds Certificate Number:

2797 CPR 719672

In respect of:

**EN 12101-3:2015 Smoke and heat control systems. Specification for powered smoke and heat exhaust ventilators (fans).**

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the above construction product. This certificate attests that all the provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the above standard(s) under system 1 for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the constancy of performance of the construction product(s). This certificate was first issued on the date below and will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods, nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

For and on behalf of BSI, a Notified Body for the above Regulation (Notified Body Number 2797):



Denelise L'Ecluse, Managing Director Assurance - Continental Europe

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# Certificate of Constancy of Performance

No. 2797 CPR 719672

**EN 12101-3:2015 – Powered smoke and heat exhaust ventilators.**

<b>AXC Axial fan range</b>	<b>2 Pole Models</b>		
	AXC 315(B)	AXC 355(B)	AXC 400(B)
	AXC 450(B)	AXC 500(B)	AXC 560(B)
	AXC 630(B)	AXC 710(B)	
	<b>4 Pole models</b>		
	AXC 315(B)	AXC 355(B)	AXC 400(B)
	AXC 450(B)	AXC 500(B)	AXC 560(B)
	AXC 630(B)	AXC 710(B)	AXC 800(B)
	AXC 900(B)	AXC 1000(B)	AXC 1120(B)
AXC 1250(B)	AXC 1400(B)		
<b>Response Delay</b>	N/A		
<b>Resistance to Fire class</b>	F300 (300°C, 60mins) (Tested 300°C, 120mins)		
<b>Motor Rating</b>	Class H; single speed and dual speed motors IE1/IE2/IE3		
<b>Ancillaries</b>	Mounting brackets – Vertical – MFA Mounting feet – Horizontal Flexible connection – EV-H Matching flanges Bellmouth inlets (mild steel, stainless steel) Silencers (mild steel, stainless steel)		
<b>104210/1 (Brook Crompton EU; WEG; CMG), 15-10563-3021-1 (Marathon)</b>			

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# Certificate of Constancy of Performance

No. 2797 CPR 719672

## EN 12101-3:2015 – Powered smoke and heat exhaust ventilators.

AXC Axial fan range	6 Pole Models		
	AXC 315(B)	AXC 355(B)	AXC 400(B)
	AXC 450(B)	AXC 500(B)	AXC 560(B)
	AXC 630(B)	AXC 710(B)	AXC 800(B)
	AXC 900(B)	AXC 1000(B)	AXC 1120(B)
	AXC 1250(B)	AXC 1400(B)	AXC 1600(B)
	AXC 1800(B)		
<b>Response Delay</b>	N/A		
<b>Resistance to Fire class</b>	F300 (300°C, 60mins) (Tested 300°C, 120mins)		
<b>Motor Rating</b>	Class H; single speed and dual speed motors IE1/IE2/IE3		
<b>Ancillaries</b>	Mounting brackets Mounting feet Flexible connection Matching flanges Bellmouth inlets (mild steel, stainless steel) Silencers (mild steel, stainless steel)		
<b>104210/1 (Brook Crompton EU; WEG; CMG), 15-10563-3021-1 (Marathon)</b>			

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# Certificate of Constancy of Performance

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**EN 12101-3:2015 – Powered smoke and heat exhaust ventilators.**

<b>AXC Axial fan range</b>	<b>2 Pole Models</b>			
	AXC 315(F)	AXC 355(F)	AXC 400(F)	AXC 450(F)
	AXC 500(F)	AXC 560(F)	AXC 630(F)	AXC 710(F)
	<b>4 Pole models</b>			
	AXC 315(F)	AXC 355(F)	AXC 400(F)	AXC 450(F)
	AXC 500(F)	AXC 560(F)	AXC 630(F)	AXC 710(F)
	AXC 800(F)	AXC 900(F)	AXC 1000(F)	AXC 1120 (F)
	AXC 1250(F)	AXC 1400(F)		
	<b>6 Pole models</b>			
	AXC 315(F)	AXC 355(F)	AXC 400(F)	AXC 450(F)
	AXC 500(F)	AXC 560(F)	AXC 630(F)	AXC 710(F)
	AXC 800(F)	AXC 900(F)	AXC 1000(F)	AXC 1120 (F)
	AXC 1250(F)	AXC 1400(F)	AXC 1600(F)	
<b>Response Delay</b>	N/A			
<b>Resistance to Fire class</b>	F400 (400°C, 120mins)			
<b>Motor Rating</b>	Class H; single speed and dual speed motors IE1/IE2/IE3			
<b>Ancillaries</b>	Mounting brackets Mounting feet Flexible connection Matching flanges Bellmouth inlets (mild steel, stainless steel) Silencers (mild steel, stainless steel) Guide vanes (-PV) Inverter			
<b>102710-1 (G-blade design ; P-blade design =&gt;dia 1000) (Brook Crompton EU; WEG) &amp; 105781/1 (G-blade design; P-blade design =&gt; dia 1000) (Brook Crompton Asia)</b>				

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# Certificate of Constancy of Performance

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**EN 12101-3:2015 – Powered smoke and heat exhaust ventilators.**

<b>AXC Axial fan range</b>	<b>2 Pole Models</b>		
	AXC 315(B)	AXC 355(B)	AXC 400(B)
	AXC 450(B)	AXC 500(B)	AXC 560(B)
	AXC 630(B)	AXC 710(B)	AXC 800(B)
	<b>4 Pole models</b>		
	AXC 315(B)	AXC 355(B)	AXC 400(B)
	AXC 450(B)	AXC 500(B)	AXC 560(B)
	AXC 630(B)	AXC 710(B)	AXC 800(B)
	AXC 900(B)	AXC 1000(B)	AXC 1120(B)
	AXC 1250(B)		
	<b>6 Pole models</b>		
	AXC 315(B)	AXC 355(B)	AXC 400(B)
	AXC 450(B)	AXC 500(B)	AXC 560(B)
	AXC 630(B)	AXC 710(B)	AXC 800(B)
	AXC 900(B)	AXC 1000(B)	AXC 1120(B)
AXC 1250(B)			
<b>Response Delay</b>	N/A		
<b>Resistance to Fire class</b>	F300 (300°C, 60mins) (Tested 300°C, 120mins)		
<b>Motor Rating</b>	Class H; single speed and dual speed motors IE1/IE2/IE3		
<b>Ancillaries</b>	Mounting brackets Mounting feet Flexible connection Matching flanges Bellmouth inlets (mild steel, stainless steel) Silencers (mild steel, stainless steel) Inlet guard Guide vanes (-PV) Inverter		
<b>104210/1 (P-blade design) (Brook Crompton; CMG; WEG); 15-10563-3021-1 (Marathon); 23-32300425 (CMP)</b>			

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# Certificate of Constancy of Performance

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## EN 12101-3:2015 – Powered smoke and heat exhaust ventilators.

<b>AXC Axial fan range</b>	<b>2 Pole Models</b>			
	AXC 315(F)	AXC 355(F)	AXC 400(F)	AXC 450(F)
	AXC 500(F)	AXC 560(F)	AXC 630(F)	AXC 710(F)
	<b>4 Pole models</b>			
	AXC 315(F)	AXC 355(F)	AXC400(F)	AXC 450(F)
	AXC 500(F)	AXC 560(F)	AXC 630(F)	AXC 710(F)
	AXC 800(F)	AXC 900(F)	AXC 1000(F)	AXC 1120(F)
	AXC 1250(F)	AXC 1400(F)		
	<b>6 Pole models</b>			
	AXC 315(F)	AXC 355(F)	AXC400(F)	AXC 450(F)
	AXC 500(F)	AXC 560(F)	AXC 630(F)	AXC 710(F)
	AXC 800(F)	AXC 900(F)	AXC 1000(F)	AXC 1120(F)
	AXC 1250(F)	AXC 1400(F)		
<b>Response Delay</b>	N/A			
<b>Resistance to Fire class</b>	F400 (400°C, 120mins)			
<b>Motor Rating</b>	Class H; single speed and dual speed motors IE1/IE2/IE3			
<b>Ancillaries</b>	Mounting brackets Mounting feet Flexible connection Matching flanges Bellmouth inlets (mild steel, stainless steel) Silencers (mild steel, stainless steel) Guide vanes Inverter			
<b>103506/1 (G-blade design ; P-blade design =&gt;dia 1000) (Brook Crompton EU; WEG); 105787/1 (G-blade design ; P-blade design =&gt;dia 1000) (Brook Crompton ASIA)</b>				

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# Certificate of Constancy of Performance

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**EN 12101-3:2015 – Powered smoke and heat exhaust ventilators.**

<b>AXR Axial fan range</b>	<b>4 Pole Models</b>			
	AXR 1600(K)*	AXR 1800(K)	AXR 2000(K)	
	<b>6 Pole models</b>			
	AXR 1600(K)*	AXR 1800(K)*	AXR 2000(K)*	AXR 2240(K)
	AXR 2500(K)			
	<b>8 Pole models</b>			
	AXR 1600(K)	AXR 1800(K)	AXR 2000(K)	AXR 2240(K)
	AXR 2500(K)			
<b>Response Delay</b>	N/A			
<b>Resistance to Fire class</b>	F200 (200°C, 120mins) (Tested 250°C, 120mins)			
<b>Motor Rating</b>	Class H; single speed and dual speed motors IE1/IE2/IE3/IE4			
<b>Ancillaries</b>	Mounting brackets – Vertical – MFA Mounting feet – Horizontal Flexible connection – EV-H Matching flanges Bellmouth inlets (mild steel, stainless steel) Silencers (mild steel, stainless steel)			
<b>22-32300323/ * =tested for 50/60 Hz (WEG motor brand only)</b>				

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# Certificate of Constancy of Performance

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**EN 12101-3:2015 – Powered smoke and heat exhaust ventilators.**

<b>AXR Axial fan range</b>	<b>2 Pole Models</b>			
	AXR 315(F)	AXR 355(F)	AXR 400(F)	AXR 450(F)
	AXR 500(F)	AXR 560(F)	AXR 630(F)	AXR 710(F)
	<b>4 Pole models</b>			
	AXR 315(F)	AXR 355(F)	AXR 400(F)	AXR 450(F)
	AXR 500(F)	AXR 560(F)	AXR 630(F)	AXR 710(F)
	AXR 800(F)	AXR 900(F)	AXR 1000(F)	AXR 1120(F)
	AXR 1250(F)			
	<b>6 Pole models</b>			
	AXR 315(F)	AXR 355(F)	AXR 400(F)	AXR 450(F)
	AXR 500(F)	AXR 560(F)	AXR 630(F)	AXR 710(F)
	AXR 800(F)	AXR 900(F)	AXR 1000(F)	AXR 1120(F)
	AXR 1250(F)	AXR 1400(F)		
<b>Response Delay</b>	N/A			
<b>Resistance to Fire class</b>	F400 (400°C, 120mins)			
<b>Motor Rating</b>	Class H; single speed and dual speed motors IE1/IE2/IE3			
<b>Ancillaries</b>	Mounting brackets Mounting feet Flexible connection Matching flanges Bellmouth inlets (mild steel, stainless steel) Silencers (mild steel, stainless steel)			
<b>103506/1 (TR-blade design) (Brook Crompton EU; WEG)</b>				

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# Certificate of Constancy of Performance

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**EN 12101-3:2015 – Powered smoke and heat exhaust ventilators.**

<b>AJ Axial fan range</b>	<b>2 Pole Models</b>			
	AJ 315(F)	AJ 355(F)	AJ 400(F)	AJ 450(F)
	AJ 500(F)	AJ 560(F)	AJ 630(F)	AJ 710(F)
	<b>4 Pole models</b>			
	AJ 315(F)	AJ 355(F)	AJ 400(F)	AJ 450(F)
	AJ 500(F)	AJ 560(F)	AJ 630(F)	AJ 710(F)
	AJ 800(F)	AJ 900(F)	AJ 1000(F)	AJ 1120(F)
	AJ 1250(F)			
	<b>6 Pole models</b>			
	AJ 315(F)	AJ 355(F)	AJ 400(F)	AJ 450(F)
	AJ 500(F)	AJ 560(F)	AJ 630(F)	AJ 710(F)
	AJ 800(F)	AJ 900(F)	AJ 1000(F)	AJ 1120(F)
	AJ 1250(F)	AJ 1400(F)		
<b>Response Delay</b>	N/A			
<b>Resistance to Fire class</b>	F400 (400°C, 120mins)			
<b>Motor Rating</b>	Class H; single speed and dual speed motors IE1/IE2/IE3			
<b>Ancillaries</b>	Mounting brackets Mounting feet Flexible connection Matching flanges Bellmouth inlets (mild steel, stainless steel) Silencers (mild steel, stainless steel)			
<b>103506/1 TR-blade design) (Brook Crompton EU; WEG)</b>				

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## EN 12101-3:2015 – Powered smoke and heat exhaust ventilators.

AXC Axial fan range	Models			
	AXC (K) 315	AXC (K) 355	AXC (K) 400	AXC (K) 450
	AXC (K) 500	AXC (K) 560	AXC (K) 630	AXC (K) 710
	AXC (K) 800	AXC (K) 900	AXC (K) 1000	AXC (K) 1120
	AXC (K) 1250	AXC (K) 1400	AXC (K) 1600	
<b>Response Delay</b>	N/A			
<b>Resistance to Fire class</b>	F200 in accordance with EN 12101-3:2002, unclassified (Tested to 250°C, 120mins – F250)			
<b>Motor Rating</b>	Class H; single speed and dual speed motors IE1/IE2/IE3			
<b>Ancillaries</b>	Mounting brackets Mounting feet Flexible connection Matching flanges Bellmouth inlets (mild steel, stainless steel) Silencers (mild steel, stainless steel) Inlet guard			
<b>53580/3 (G-blade design) (Brook Crompton EU; WEG)</b>				

AXR Axial fan range	Models			
	AXR (K) 315	AXR (K) 355	AXR (K) 400	AXR (K) 450
	AXR (K) 500	AXR (K) 560	AXR (K) 630	AXR (K) 710
	AXR (K) 800	AXR (K) 900	AXR (K) 1000	AXR (K) 1120
	AXR (K) 1250	AXR (K) 1400	AXR (K) 1600	
<b>Response Delay</b>	N/A			
<b>Resistance to Fire class</b>	F200 in accordance with EN 12101-3:2002, unclassified (Tested to 250°C, 120mins – F250)			
<b>Motor Rating</b>	Class H; single speed and dual speed motors IE1/IE2/IE3			
<b>Ancillaries</b>	Mounting brackets Mounting feet Flexible connection Matching flanges Bellmouth inlets (mild steel, stainless steel) Silencers (mild steel, stainless steel) Inlet guard			
<b>53580/3 (G-blade design) (Brook Crompton EU; WEG)</b>				

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# Certificate of Constancy of Performance

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**EN 12101-3:2015 – Powered smoke and heat exhaust ventilators.**

<b>AXR Axial fan range</b>	<b>2 Pole Models</b>		
	AXR 315(B)	AXR 355(B)	AXR 400(B)
	AXR 450(B)	AXR 500(B)	AXR 560(B)
	AXR 630(B)	AXR 710(B)	
	<b>4 Pole models</b>		
	AXR 800(B)	AXR 900(B)	AXR1000(B)
	AXR 1120(B)	AXR 1250(B)	
	<b>6 Pole models</b>		
	AXR 1400(B)	AXR 1600(B)	AXR 1800(B)
<b>Response Delay</b>	N/A		
<b>Resistance to Fire class</b>	F300 (300°C, 60mins) (Tested 300°C, 120mins)		
<b>Motor Rating</b>	Class H; single speed and dual speed motors IE1/IE2/IE3		
<b>Ancillaries</b>	Mounting brackets Mounting feet Flexible connection Matching flanges Bellmouth inlets (mild steel, stainless steel) Silencers (mild steel, stainless steel) Inlet guard		
<b>104210/1 (TR-blade design; J9-blade design) (WEG; Brook Crompton EU; CMG)</b>			

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**EN 12101-3:2015 – Powered smoke and heat exhaust ventilators.**

<b>AJ Axial fan range</b>	<b>2 Pole Models</b>		
	AJ 315(F)	AJ 355(F)	AJ 400(F)
	AJ 450(F)	AJ 500(F)	AJ 560(F)
	AJ 630(F)	AJ 710(F)	
	<b>4 Pole models</b>		
	AJ 800(F)	AJ 900(F)	AJ 1000(F)
	AJ 1120(F)	AJ 1250(F)	
	<b>6 Pole models</b>		
AJ 1400(F)	AJ 1600(F)		
<b>Response Delay</b>	N/A		
<b>Resistance to Fire class</b>	F400 (400°C, 120mins)		
<b>Motor Rating</b>	Class H; single speed and dual speed motors IE1/IE2/IE3		
<b>Ancillaries</b>	Mounting brackets Mounting feet Flexible connection Matching flanges Bellmouth inlets (mild steel, stainless steel) Silencers (mild steel, stainless steel) Inlet guard		
<b>102710/1 (TR-blade design) (Brook Crompton EU; WEG)</b>			

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**EN 12101-3:2015 – Powered smoke and heat exhaust ventilators.**

<b>AJ Axial fan range</b>	<b>2 Pole Models</b>		
	AJ 315(B)	AJ 355(B)	AJ 400(B)
	AJ 450(B)	AJ 500(B)	AJ 560(B)
	AJ 630(B)	AJ 710(B)	
	<b>4 Pole models</b>		
	AJ 800(B)	AJ 900(B)	AJ 1000(B)
	AJ 1120(B)	AJ 1250(B)	
	<b>6 Pole models</b>		
	AJ 1400(B)	AJ 1600(B)	
<b>Response Delay</b>	N/A		
<b>Resistance to Fire class</b>	F300 (300°C, 60mins) (Tested 300°C, 120mins)		
<b>Motor Rating</b>	Class H; single speed and dual speed motors IE1/IE2/IE3		
<b>Ancillaries</b>	Mounting brackets Mounting feet Flexible connection Matching flanges Bellmouth inlets (mild steel, stainless steel) Silencers (mild steel, stainless steel) Inlet guard		
<b>104210/2 (TR-blade design; J9-blade design) (WEG; Brook Crompton EU; CMG)</b>			

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No. 2797 CPR 719672

## EN 12101-3:2015 – Powered smoke and heat exhaust ventilators.

<b>AXR Axial fan range</b>	<b>2 Pole Models</b>		
	AXR 315(F)	AXR 355(F)	AXR 400(F)
	AXR 450(F)	AXR 500(F)	AXR 560(F)
	AXR 630(F)	AXR 710(F)	
	<b>4 Pole models</b>		
	AXR 800(F)	AXR 900(F)	AXR1000(F)
	AXR 1120(F)	AXR 1250(F)	
	<b>6 Pole models</b>		
AXR 1400(F)	AXR 1600(F)		
<b>Response Delay</b>	N/A		
<b>Resistance to Fire class</b>	F400 (400°C, 120mins)		
<b>Motor Rating</b>	Class H; single speed and dual speed motors IE1/IE2/IE3		
<b>Ancillaries</b>	Mounting brackets Mounting feet Flexible connection Matching flanges Bellmouth inlets (mild steel, stainless steel) Silencers (mild steel, stainless steel) Inlet guard		
<b>102710/1 (TR-blade design) (Brook Crompton EU; WEG)</b>			

<b>AJ Axial fan range</b>	<b>Models</b>			
	AJ 315 (K)	AJ 355 (K)	AJ 400 (K)	AJ 450 (K)
	AJ 500 (K)	AJ 560 (K)	AJ 630 (K)	AJ 710 (K)
	AJ 800 (K)	AJ 900 (K)	AJ 1000 (K)	AJ 1120 (K)
	AJ 1250 (K)	AJ 1400 (K)	AJ 1600 (K)	
<b>Response Delay</b>	N/A			
<b>Resistance to Fire class</b>	F200 in accordance with EN 12101-3:2002, unclassified (Tested to 250°C, 120mins – F250)			
<b>Motor Rating</b>	Class H; single speed and dual speed motors IE1/IE2/IE3			
<b>Ancillaries</b>	Mounting brackets Mounting feet Flexible connection Matching flanges Bellmouth inlets (mild steel, stainless steel) Silencers (mild steel, stainless steel) Inlet guard			
<b>53580/3 (TR-blade design) (Brook Crompton EU)</b>				

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# Certificate of Constancy of Performance

No. 2797 CPR 719672

**EN 12101-3:2015 – Powered smoke and heat exhaust ventilators.**

<b>AJ/F fan range</b>	<b>4 Pole models</b>	
	AJ 1120-5 (F)	AJ 1120-10 (F)
	<b>6 Pole models</b>	
	AJ 1120-5 (F)	AJ 1120-10 (F)
<b>Response Delay</b>	N/A	
<b>Resistance to Fire class</b>	F400 (400°C, 120mins)	
<b>Motor Rating</b>	Class H; single speed and dual speed motors	
<b>EFR-18-G-003913 (J9-blade design) (Nidec)</b>		

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# Certificate of Constancy of Performance

No. 2797 CPR 719672

**EN 12101-3:2015 – Powered smoke and heat exhaust ventilators.**

AJR range F-300(120)	1 & 2 speed models		
	AJ8 315**	AJ8 355**	AJ8 400**
	AJR 315	AJR 355	AJR 400
<b>Response Delay</b>	N/A		
<b>Resistance to Fire class</b>	F300 (300°C, 120mins) (tested 300°C, 120mins.)		
<b>Motor Rating</b>	Class H; single speed and dual speed motors		
<b>Ancillaries</b>	16A External terminal box		
	AB55621F4 GAVE Switch		
	Octagonal silencer**		
	Protection grid		
<b>61483/2 (WEG)</b>			

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# Certificate of Constancy of Performance

No. 2797 CPR 719672

## EN 12101-3:2015 – Powered smoke and heat exhaust ventilators.

<b>IV Range (B)</b>	<b>1 Speed - 4 Pole Models</b>		
	IV 50-4(B)	IV 85-4(B)	IV 100-4(B)
	<b>2 Speed - 4/6 Pole Models</b>		
	IV 50 4/6 (B)	IV 85 2 4/6 (B)	IV 100 4/6 (B)
<b>IV Range (B)</b>	<b>2 Speed - 4/8 Pole Models</b>		
	IV 50 4/8 (B)	IV 85 4/8 (B)	IV 100 4/8 (B)
<b>Response Delay</b>	N/A		
<b>Resistance to Fire class</b>	F300 (Tested 300°C, 120mins)		
<b>Motor Rating</b>	Class H		
<b>Ancillaries</b>	Systemair terminal box		
<b>11/2634-614 &amp; 14/4971-1711 (Nidec)</b>			

<b>IV Range (B)</b>	<b>1 Speed - 4 Pole Models</b>	
	IV 50-4(B)	IV 100-4(B)
	<b>2 Speed - 4/6 Pole Models</b>	
	IV 50 4/6 (B)	IV 100 4/6 (B)
<b>IV Range (B)</b>	<b>2 Speed - 4/8 Pole Models</b>	
	IV 50 4/8 (B)	IV 100 4/8 (B)
<b>Response Delay</b>	N/A	
<b>Resistance to Fire class</b>	F300 (Tested 300°C, 120mins)	
<b>Motor Rating</b>	Class H	
<b>Ancillaries</b>	Systemair terminal box	
<b>22/32303-5213-1 (WEG)</b>		

<b>IV Range F-400(120)**</b>	<b>1 Speed - 4 Pole Models</b>		
	IV 50-4(F)	IV 85-4 (F)	IV 100-4 (F)
	<b>2 Speed - 4/6 Pole Models</b>		
	IV 50 -4/6 (F)	IV 85-4/6 (F)	IV 100-4/6 (F)
<b>IV Range F-400(120)**</b>	<b>2 Speed - 4/8 Pole Models</b>		
	IV 50-4/8 (F)	IV 85-4/8 (F)	IV 100-4/8 (F)
<b>Response Delay</b>	N/A		
<b>Resistance to Fire class</b>	F400 (400°C, 120mins)		
<b>Motor Rating</b>	Class H		
<b>Ancillaries</b>	Rittal external terminal box Ziehl-Abegg wire screen		
<b>12/2673-251 (Nidec)</b>			

\*\* Steel blades only

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**EN 12101-3:2015 – Powered smoke and heat exhaust ventilators.**

<b>AJR Axial fan range</b>	<b>1 &amp; 2 speed models</b>		
	AJR 315-TR-2	AJR 355-TR-2	AJR 400-TR-2
	AJR 315-TR-2/4	AJR 355-TR-2/4	AJR 400-TR-2/4
	AJ8 315-TR-2**	AJ8 355-TR-2**	AJ8 400-TR-2**
	AJ8 315-TR-2/4**	AJ8 355-TR-2/4**	AJ8 400-TR-2/4**
	<b>CMG motors</b>		
	AJ8 315**	AJ8 355**	AJ8 400**
	AJR 315	AJR 355	AJR 400
<b>Response Delay</b>	N/A		
<b>Resistance to Fire class</b>	F300 (Tested 300°C, 120mins)		
<b>Motor Rating</b>	Class H		
<b>Ancillaries</b>	Ziehl Abegg FXDM frequency converter		
	Round silencer		
	Octagonal silencer**		
<b>13/4971-2181 (CMG)</b>			

<b>AJR Axial fan range</b>	<b>1 &amp; 2 speed models</b>		
	AJ8 315**	AJ8 355**	AJ8 400**
	AJR 315	AJR 355	AJR 400
<b>Response Delay</b>	N/A		
<b>Resistance to Fire class</b>	F400 (400°C, 120mins)		
<b>Motor Rating</b>	Class H		
<b>Ancillaries</b>	16A External terminal box		
	AB55621F4 GAVE Switch		
	Octagonal silencer**		
	Protection grid		
<b>15/4971-2781 (WEG)</b>			

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# Certificate of Constancy of Performance

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**EN 12101-3:2015 – Powered smoke and heat exhaust ventilators.**

<b>MUB/F Range F-400(120)</b>	<b>1 Speed - 4 Pole Models</b>		
	MUB/F 042 400 D4	MUB/F 042 450 D4	MUB/F 062 500 D4
	MUB/F 062 560 D4	MUB/F 062 630 D4	
	<b>1 Speed - 6 Pole Models</b>		
	MUB/F 042 400 D6	MUB/F 042 450 D6	MUB/F 062 500 D6
	MUB/F 062 560 D6	MUB/F 062 630 D6	
	<b>2 Speed - 4/6 Pole Models</b>		
	MUB/F 042 400 D4-6	MUB/F 042 450 D4-6	MUB/F 062 500 D4-6
MUB/F 062 560 D4-6	MUB/F 062 630 D4-6		
<b>Response Delay</b>	N/A		
<b>Resistance to Fire class</b>	F400 (400°C, 120mins)		
<b>Motor Rating</b>	Class H IE1/IE2/IE3		
<b>18/13562-497 (WEG)</b>			

<b>MUB/F Range F-400(120)</b>	<b>1 Speed - 4 Pole Models</b>		
	MUB/F 042 400 D4	MUB/F 042 450 D4	MUB/F 062 500 D4
	MUB/F 062 560 D4	MUB/F 062 630 D4	
	<b>1 Speed - 6 Pole Models</b>		
	MUB/F 042 400 D6	MUB/F 042 450 D6	MUB/F 062 500 D6
	MUB/F 062 560 D6	MUB/F 062 630 D6	
	<b>2 Speed - 4/6 Pole Models</b>		
	MUB/F 042 400 D4-6	MUB/F 042 450 D4-6	MUB/F 062 500 D4-6
MUB/F 062 560 D4-6	MUB/F 062 630 D4-6		
<b>Response Delay</b>	N/A		
<b>Resistance to Fire class</b>	F400 (400°C, 120mins)		
<b>Motor Rating</b>	Class H IE1/IE2/IE3		
<b>Ancillaries</b>	Inverter		
<b>10/101420-1103 &amp; 20/23837-2238 (Nidec; WEG)</b>			

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# Certificate of Constancy of Performance

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**EN 12101-3:2015 – Powered smoke and heat exhaust ventilators.**

<b>KBR/F fan range</b>	<b>1 &amp; 2 speed models</b>		
	KBR/F 280 D2	KBR/F 280 DV	KBR/F 280 D4/2
	KBR/F 315 D2	KBR/F 315 DV	KBR/F 315 DZ
	KBR/F 355 D2	KBR/F 355 D2/K	KBR/F 355 DV/K
	KBR/F 355 DZ/K	KBR/F 355 DV	KBR/F 355 DZ
	KBR/F 355 E4	KBR/F 355 E4/K	
<b>Response Delay</b>	N/A		
<b>Resistance to Fire class</b>	F400 (400°C, 120mins)		
<b>Motor Rating</b>	Class F IE2; IE3		
<b>Ancillaries</b>	Inverter		
<b>12/2673-379, 07/32302683 &amp; 20/23837-2239 (Kuehne; AC-Motoren)</b>			

<b>IV Range (F)</b>	<b>1 Speed - 4 Pole Models</b>	
	IV 50-4(F)	IV 100-4(F)
	<b>2 Speed - 4/6 Pole Models</b>	
	IV 50 4/6 (F)	IV 100 4/6 (F)
	<b>2 Speed - 4/8 Pole Models</b>	
	IV 50 4/8 (F)	IV 100 4/8 (F)
<b>Response Delay</b>	N/A	
<b>Resistance to Fire class</b>	F400 (400°C, 120mins)	
<b>Motor Rating</b>	Class H	
<b>Ancillaries</b>	Systemair terminal box	
<b>19/20476-1666 (WEG)</b>		

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# Certificate of Constancy of Performance

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## EN 12101-3:2015 – Powered smoke and heat exhaust ventilators.

KBR/F EC fan range	Variable speed models		
	KBR/F 280EC	KBR/F 315EC	KBR/F 315EC-L
	KBR/F 355EC-K	KBR/F 355EC	KBR/F 355EC-L
<b>Response Delay</b>	N/A		
<b>Resistance to Fire class</b>	F400/120 (400°C, 120mins); F300/120 (300°C, 120mins)		
<b>Motor Rating</b>	Class H		
<b>Ancillaries</b>			
<b>23-32302195 (EBMpapst)</b>			

AXC Axial fan range (A-impeller)	4-6 pole models		
	AXC(A) 315 (B)	AXC(A) 355 (B)	AXC(A) 400 (B)
	AXC(A) 450 (B)	AXC(A) 500 (B)	AXC(A) 560 (B)
	AXC(A) 630 (B)	AXC(A) 710 (B)	AXC(A) 800 (B)
	AXC(A) 900 (B)	AXC(A) 1000 (B)	AXC(A) 1120 (B)
	AXC(A) 1250 (B)	AXC(A) 1400 (B)	AXC(A) 1600 (B)
<b>Response Delay</b>	N/A		
<b>Resistance to Fire class</b>	F300 (tested to 300°C, 120mins)		
<b>Motor Rating</b>	Class H; single and dual speed motors IE1/IE2/IE3		
<b>Ancillaries</b>	Mounting brackets – Vertical – MFA Mounting feet – Horizontal Flexible connection – EV-H Matching flanges Bellmouth inlets (mild steel, stainless steel – EFD-F Range) Silencers (mild steel, stainless steel – RS Range)		
<b>17/13085-854 M4 refers. (Marathon), 53580/4 (CMG), 23-32300425 (CMP)</b>			

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# Certificate of Constancy of Performance

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**EN 12101-3:2015 – Powered smoke and heat exhaust ventilators.**

ASP fan range	Variable Speed models (belt driven)		
	ASP 450	ASP 500	ASP 550
	ASP 600	ASP 650	ASP 750
	ASP 800	ASP 900	ASP 1000
	ASP 1100	ASP 1200	ASP 1350
<b>Response Delay</b>	N/A		
<b>Resistance to Fire class</b>	F300 (tested to 300°C, 120mins)		
<b>Motor Rating</b>	Class H; single and dual speed models		
<b>Ancillaries</b>			
<b>20/19576-1186</b>			

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# Certificate of Constancy of Performance

No. 2797 CPR 719672

## Manufacturing Plant

Systemair GmbH  
Seehöfer Straße 45  
Windischbuch  
97944  
Germany

## Certified Activities

EN 12101-3:2015 Smoke and heat control systems.  
Specification for powered smoke and heat exhaust ventilators  
(fans).



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