

EC-CERTIFICATE OF CONFORMITY

0086-CPD-467873



In compliance with the Directive 89/106/EEC of the Council of European Communities of 21 December 1988 on the approximation of laws, regulations and administrative provisions of the Member States relating to the construction products (Construction Products Directive - CPD), amended by the Directive 93/68/EEC of the Council of European Communities of 22 July 1993, it has been stated that the construction product

Smoke Axus Circular Ventilators

as detailed on the Supplementary Information Sheet

produced and placed on the market by

Nuaire Limited

Western Industrial Estate, Caerphilly, Mid Glamorgan, CF83 1NA

is submitted by the manufacturer to a factory production control and that the notified body – BSI Product Services - has performed the initial type-testing for the relevant characteristics of the product, the initial inspection of the factory and of the factory production control and performs the continuous surveillance, assessment and approval of the factory production control.

This certificate attests that all provisions concerning the attestation of conformity and the performances described in the Annex ZA of the standard

EN 12101-3 : 2002



Powered smoke and heat exhaust ventilators for use in Construction Works

were applied and that the product fulfils all the prescribed requirements.

For and on behalf of the British Standards Institution, a Notified Body for the above Directive (Notified Body Number 0086):

David Ford, Managing Director, BSI Healthcare and Testing Services

Date 28 May 2009

This certificate first issued Date 1 June 2005

This certificate remains valid as long as the conditions laid down in the harmonised technical specification in reference or the manufacturing conditions in the factory or the factory product control itself are not modified significantly.

The British Standards Institution is incorporated by Royal Charter.

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SUPPLEMENTARY INFORMATION SHEET

Nuaire Limited

Western Industrial Estate, Caerphilly, Mid Glamorgan, CF83 1NA

	Models						
	Smoke Axus Circular	AX31M*	AX35M*	AX40M*	AX45M*	AX50M*	AX56M*
AX71M*		AX45N*	AX50N*	AX56N*	AX63N*	AX71N*	AX80N*
AX45O*		AX50O*	AX56O*	AX63O*	AX71O*	AX80O*	AX45P*
AX50P*		AX56P*	AX63P*	AX71P*	AX80P*	AX45Q*	AX50Q*
AX56Q*		AX63Q*	AX71Q*	AX80Q*	AX90Q*	AX45R*	AX50R*
AX56R*		AX63R*	AX71R*	AX80R*	AX90R*	AX45S*	AX50S*
AX56S*		AX63S*	AX71S*	AX80S*	AX90S*	AX80T*	AX90T*
AX80U*		AX80U*	AX90U*	AX80V*	AX90V*	AX80W*	AX90W*
AX31X*		AX35X*	AX40X*	AX45X*	AX50X*	AX56X*	AX63X*
AX71X*		AX80X*	AX90X*	AX100X*	AX45Y*	AX50Y*	AX56Y*
AX63Y*		AX71Y*	AX80Y*	AX90Y*	AX100Y*	AX45Z*	AX50Z*
AX56Z*		AX63Z*	AX71Z*	AX80Z*	AX90Z*	AX100Z*	AX45AA*
AX50AA*		AX56AA*	AX63AA*	AX71AA*	AX80AA*	AX90AA*	AX100AA*
AX56AB*		AX63AB*	AX71AB*	AX80AB*	AX90AB*	AX100AB*	AX112AB*
AX56AC*		AX63AC*	AX71AC*	AX80AC*	AX90AC*	AX100AC*	AX112AC*
AX56AD*		AX63AD*	AX71AD*	AX80AD*	AX90AD*	AX100AD*	AX112AD*
AX80AE*		AX90AE*	AX100AE*	AX112AE*	AX125AE*	AX80AF*	AX90AF*
AX100AF*	AX112AF*	AX125AF*	AX80AG*	AX90AG*	AX100AG*	AX112AG*	
	AX125AG*						
Response Delay	N/A						
Resistance to Fire class	F300 (tested to 300°C, 120mins)						
Motor rating	Class F / Class H						
Ancillaries	Inline circular attenuators - podded Inline circular attenuators - unpodded High temperature flexible connectors Mounting brackets Fan guards Inlet cones Back draught dampers Roof cowls Anti vibration mounts Matching flanges			CA25SP or LP to CA200SP or LP CA25S or L to CA200S or L CFCH(diameter in cm) CMB(diameter in cm) CGD(diameter in cm) CIC(diameter in cm) CBD(diameter in cm) ARC56, 71, 100 or 125 NAV37 to NAV58 CMF(diameter in cm)			
BSRIA report 18415B/1 refers.							


* These models can be combined to form AXT 'Run and Standby' or AXC 'Contra Rotating' variants, the prefix AXT or AXC replaces the AX prefix as appropriate, see table on page 10 for code information and code example.

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Smoke Axus Circular	Models						
	AX80DE*	AX90DE*	AX100DE*	AX112DE*	AX125DE*	AX80DF*	AX90DF*
	AX100DF*	AX112DF*	AX125DF*	AX80DG*	AX90DG*	AX100DG*	AX112DG*
	AX125DG*	AX80DH*	AX90DH*	AX100DH*	AX112DH*	AX125DH*	AX80DJ*
	AX90DJ*	AX100DJ*	AX112DJ*	AX125DJ*	AX100DK*	AX112DK*	AX125DK*
	AX140DK*	AX100DL*	AX112DL*	AX125DL*	AX140DL*	AX100CW*	AX112CW*
	AX125CW*	AX140CW*	AX150CW*	AX160CW*	AX100CX*	AX112CX*	AX125CX*
	AX140CX*	AX150CX*	AX160CX*	AX100CY*	AX112CY*	AX125CY*	AX140CY*
	AX150CY*	AX160CY*	AX100CZ*	AX112CZ*	AX125CZ*	AX140CZ*	AX150CZ*
AX160CZ*	AX140DA*	AX150DA*	AX160DA*	AX140DB*	AX150DB*	AX160DB*	
Response Delay	N/A						
Resistance to Fire class	F300 (tested to 300°C, 120mins) 						
Motor rating	Class F / Class H						
Ancillaries	Inline circular attenuators - podded			CA25SP or LP to CA200SP or LP			
	Inline circular attenuators - unpodded			CA25S or L to CA200S or L			
	High temperature flexible connectors			CFCH(diameter in cm)			
	Mounting brackets			CMB(diameter in cm)			
	Fan guards			CGD(diameter in cm)			
	Inlet cones			CIC(diameter in cm)			
	Back draught dampers			CBD(diameter in cm)			
	Roof cowls			ARC56, 71, 100 or 125			
	Anti vibration mounts			NAV37 to NAV58			
Matching flanges			CMF(diameter in cm)				
BSRIA report 18415B/2 refers.							


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SQUIF inline centrifugal fans	Models					
	SQF41-1	SQF41-3	SQF42-3	SQF43-1	SQF43-3	SQF44
	SQF45	SQF46	SQF61	SQF62	SQF63	SQF64
Response Delay	N/A					
Resistance to Fire class	F400 (tested to 400°C, 120mins)					
Motor rating Ancillaries	Class F					
	Inline attenuators			SQFS1L to SQFS7L & SQFS1S to SQFS7S		
	High temperature flexible connectors			SQFF1 to SQFF7		
	Fan Guards			SQFGD1 to SQFGD7 		
BSRIA report 18415B/3 refers.						

Product Services

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SUPPLEMENTARY INFORMATION SHEET

Nuaire Limited

Western Industrial Estate, Caerphilly, Mid Glamorgan, CF83 1NA

Axus variable pitch steel fans	Models					
	4 & 6 Pole Motors					
	AX80EG*	AX80FC*	AX80FD*	AX90EG*	AX90FC*	AX90FD*
	4, 6 & 8 Pole Motors					
	AX100EG*	AX100FC*	AX100FD*	AX100CV*	AX112EG*	AX112FC*
	AX112FD*	AX112CV*	AX125EG*	AX125FC*	AX125FD*	AX125CV*
	6 & 8 Pole Motors					
	AX140EG*	AX140FC*	AX140FD*	AX140CV*	AX150EG*	AX150FC*
AX150FD*	AX150CV*	AX160EG*	AX160FC*	AX160FD*	AX160CV*	
6, 8 & 10 Pole Motors						
AX140EE*	AX140EF*	AX150EE*	AX150EF*	AX160EE*	AX160EF*	
Response Delay	N/A					
Resistance to Fire class	F400 (tested to 400°C, 120mins) ®					
Motor rating	Class F					
Ancillaries	Mounting brackets		CMB (diameter in cm)			
	Matching flange		CMF (diameter in cm)			
	Flexible connector 132°C		CFC (diameter in cm)			
	Flexible connector 400°C		CFCH (diameter in cm)			
	Guard		CGD (diameter in cm)			
	Inlet cone		CIC (diameter in cm)			
	Backdraught damper		CBD (diameter in cm)			
	Podded attenuators – standard		CA25SP to CA200SP			
	Podded attenuators – long		CA25LP to CA200LP			
	Un-podded attenuators – standard		CS25S to CA200S			
	Un-podded attenuators – long		CS25L to CA200L			
Anti-vibration mounts		NAV37 to NAV58				
BSRIA report 19416B/1 refers.						

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Axus fixed pitch steel fans	Models			
	2 & 4 Pole Models			
AX31AV*	AX35AW*	AX40AW*	AX45AW*	
AX50AW*	AX56BB*	AX56AX*	AX63BC*	
AX63AY*				
2, 4 & 6 Pole Motors				
AX71BC*	AX71AY*	AX80BD*	AX80AZ*	
4 & 6 Pole Motors				
AX90BD*	AX90AZ*	AX100BD*	AX100AZ*	
AX112BE*	AX112BA*	AX125BE*	AX125BA*	
6 & 8 Pole Motors				
AX140BE*	AX140BA*	AX150BE*	AX150BA*	
AX160BE*	AX160BA*			
Response Delay	N/A			
Resistance to Fire class	F400 (tested to 400°C, 120mins)			
Motor rating	Class F			
Ancillaries	Mounting brackets	CMB (diameter in cm)		
	Matching flange	CMF (diameter in cm)		
	Flexible connector 132°C	CFC (diameter in cm)		
	Flexible connector 400°C	CFCH (diameter in cm)		
	Guard	CGD (diameter in cm)		
	Inlet cone	CIC (diameter in cm)		
	Podded attenuators – standard	CA25SP to CA200SP		
	Podded attenuators – long	CA25LP to CA200LP		
	Unpodded attenuators - standard	CA25S to CA200S		
	Unpodded attenuators – long	CA25L to CA200L		
	Backdraught damper	CBD (diameter in cm)		
	Anti-vibration mounts	NAV37 to NAV58		
BSRIA report 19416B/2 refers.				

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Axus 3H Impellers	2 & 4 Pole Models			
	AX31A*	AX31B*	AX31C*	AX31D*
	AX31E*	AX31F*	AX35A*	AX35B*
	AX35C*	AX35D*	AX35E*	AX35F*
	AX40A*	AX40B*	AX40C*	AX40D*
	AX40E*	AX40F*	AX40G*	AX40H*
	AX40I*			
	2, 4 & 6 Pole Motors			
	AX45A*	AX45B*	AX45C*	AX45D*
	AX45E*	AX45F*	AX45G*	AX45H*
AX45I*	AX50A*	AX50B*	AX50C*	
AX50D*	AX50E*	AX50F*	AX50G*	
AX50H*	AX50I*	AX56C*	AX56D*	
AX56E*	AX56F*	AX56H*	AX56I*	
4 & 6 Pole Motors				
AX56A*	AX56B*	AX63C*	AX63D*	
AX63E*	AX63F*	AX63G*	AX63H*	
AX63I*	AX71G*	AX71H*	AX71I*	
Response Delay	N/A			
Resistance to Fire class	F300 (tested to 300°C, 120mins)			
Motor rating	Class F			
Ancillaries	Mounting brackets	CMB (diameter in cm)		
	Matching flange	CMF (diameter in cm)		
	Flexible connector 132°C	CFC (diameter in cm)		
	Flexible connector 400°C	CFCH (diameter in cm)		
	Guard	CGD (diameter in cm)		
	Inlet cone	CIC (diameter in cm)		
	Backdraught damper	CBD (diameter in cm)		
	Anti-vibration mounts	NAV37 to NAV58		
	Podded attenuators – standard	CA25SP to CA200SP		
	Podded attenuators – long	CA25LP to CA200LP		
	Unpodded attenuators – standard	CA25S to CA200S		
	Unpodded attenuators – long	CA25L to CA200L		
	Roof cowls	ARC56 ARC71 ARC100 ARC125		
BSRIA report 19416B/3 refers.				

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SVT Axus Car Park Fans	Models	
	SVT2-1A	SVT2-2A
	SVT2-1B	SVT2-2B
	SVT2-1C	SVT2-2C
	SVT2-1D	SVT2-2D
	SVT2-1E	SVT2-2E
Response Delay	N/A	
Resistance to Fire class	F300 (tested to 300°C, 120mins)	
Motor rating	Class F	
Ancillaries	Outlet diffuser – square	SVT-SQ1 & SVT-SQ2
	Outlet diffuser – circular	SVT-CR1 & SVT-CR2
	Fan/hand guard	SVT-GD1 & SVT-GD2
	Craig & Derricott 20 A isolator	
	Santon isolator SBC 135/27 KG-1K6K	
BSRIA reports 19416B/4, 40135/2 & 52454-1 refer.		

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Nuaire Limited
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SQUIF twin inline centrifugal fans	Models					
	SQFT41-1	SQFT41-3	SQFT42-3	SQFT43-1	SQFT43-3	SQFT44
	SQFT45	SQFT46	SQFT61	SQFT62	SQFT63	SQFT64
Response Delay	N/A					
Resistance to Fire class	F400 (tested to 400°C, 120mins)					
Motor rating	Class F					
Ancillaries	Inline attenuators		SQFS1L to SQFS7L & SQFS1S to SQFS7S			
	High temperature flexible connectors		SQFF1 to SQFF7			
	Fan Guards		SQFGD1 to SQFGD7			
BSRIA report 18415B/3 refers.						

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AXUS Contra-rotating & AXUS Run & Standby product code additional information.

<u>AXUS Contra-rotating Axial</u>	<u>AXUS Run & Standby Axial</u>
<p>AXC 100 AA – 4 1 3 A 7 T</p> <p>1 2 3 4 5 6 7 8 9</p>	<p>AXT 100 AA – 4 1 3 A 7 T</p> <p>1 2 3 4 5 6 7 8 9</p>
<ol style="list-style-type: none"> 1. Axus Contra-rotating axial 2. Case diameter in cm 3. Impeller specification reference 4. Motor speed in poles 5. Impeller blade angle reference 6. Electrical supply in phase 3 = 400V, 50Hz three phase 7. Impeller material A = Aluminium S = Steel 8. Operating temperature 7 = 300°C for 2 hours 8 = 400°C for 2 hours 9. Other Options (combinations possible) T = Two speed (full and half) Z = Access door 	<ol style="list-style-type: none"> 1. Axus Run & Standby axial 2. Case diameter in cm 3. Impeller specification reference 4. Motor speed in poles 5. Impeller blade angle reference 6. Electrical supply in phase 3 = 400V, 50Hz three phase 7. Impeller material A = Aluminium S = Steel 8. Operating temperature 7 = 300°C for 2 hours 8 = 400°C for 2 hours 9. Other Options (combinations possible) T = Two speed (full and half) Z = Access door