

Documentation for:

Project name: Vågsbygdproject

Systemair works reference: 0002289097

Customer P.O. number: 1351381, 1353264

Fan model: AJ 1120-10/30°-4(K), AJ 900-10/40°-4(K),
AJ 1120-10/35°-4 (K)-TR, AJ 560-9/xx°-2(K)

Motor: 30 kW, 15kW, 11kW, 4P, PAD, IP 55, S1

Quantity supplied: 26 pcs. AJ 1120-10/30°-4(K),
4 pcs. AJ 900-10/40°-4(K),
2 pcs. AJ 1120-10/35°-4 (K)-TR,
2 pcs AJ 560-9/xx°-2(K)

Content:

- Fan conformity certificate
- IOM (Installation, Operation, Maintenance)
Manual Jet Tunnel Fan
- IOM Motor
- Fan AJ- Installation/suspension drawing
- Fan test sheet
- EC declaration of conformity
- ISO 9001:2000 certificate

Date: 05.03.2012

Signed:



Frank Jenderek



Ralf Uher

Systemair GmbH

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Date: 05.03.2013

Systemair AS NO Oslo
Postboks 6745 Etterstad
NO-0609 OSLO
NORWAY**FAN CONFORMITY CERTIFICATE**

We certify that the under-mentioned Fan / Motor units will confirm in all respects, their having been manufactured in accordance with the conditions and requirements of ISO9001:2000 to the Purchase Order &/or Specification / Drawings.

Purchase Order No.: - 1351381, 1353264

Customer: - Systemair NO

Order confirmation No.: - 0002289097

Quantity: - 26 pcs. AJ 1120-10/30°-4(K),
4 pcs. AJ 900-10/40°-4(K),
2 pcs. AJ 1120-10/35°-4 (K)-TR,
2 pcs AJ 560-9/xx°-2(K)

Fan type: - AJ 1120-10/30°-4(K), AJ 900-10/40°-4(K), AJ 1120-10/35°-4 (K)-TR,
AJ 560-9/xx°-2(K)

Motor fitted: - 30 kW, 15kW, 11kW, 4P, PAD, IP 55, S1

Motor Part No: - 422-IL702763, 424-IL702764, 426-IL702782, 421-IL702767
425-IL702781, 423-IL702782, 542-JC742935, 544-JC742934
JA740685, JA740684, JC 742736, JC 742737, JC 742678,
JC 742734, JC 742733, JB 742595, JC 742677, JB 742596
JC 742742, JC742741, JC742740, JC742735, JC 742739
JB 742599, JC 742680, JC 742681, JB742598, JC742738
JC742679, IL 702766, IL702765, JD744270, JD744269

For & on behalf of
Systemair



F. Jenderek
Project Manager



Electric motors

Customer safety and installation instructions

AC induction machines (50-1000V AC) DC machines (75-1500V DC)



Warning

Avertissement

Achtung

Avviso

All operations must be carried out by appropriately trained personnel.
Toutes les manoeuvres doivent être effectuées par un personnel ayant reçu une formation appropriée.
Alle Arbeiten müssen von entsprechend geschultem Personal ausgeführt werden.
Tutte le operazioni devono essere effettuate da personale qualificato.



Lifting

Levage

Heben

Sollevamento



e.g. both lifting points if fitted
ex: les deux points de levage si installés
z.B. beide Hebepunkte falls vorhanden
es. Entrambi i punti di sollevamento se presenti



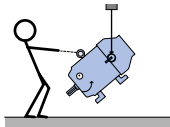
or single lifting point if fitted
ex: le point de levage unique si installé
oder einzelnen Hebepunkt, falls vorhanden
es. o il punto di sollevamento singolo se presente

Note: maximum hand lift is 20kg below shoulder, but above ground level.

Noter: le poids maximum de levage manuel est de 20kg.

Bitte beachten: max. Hublast mit der Hand 20kg unter der Schulter, aber über dem Boden.

Nota: il sollevamento a mano massimo è di 20kg al di sotto della spalla ma al di sopra del livello del suolo.



Vertical lifting – Prevent uncontrolled rotation.

Levage vertical – Empêcher toute rotation non contrôlée.

Senkrechtes Heben – unkontrolliertes Drehen vermeiden.

Sollevamento verticale – evitare una rotazione senza controllo.

Use all lifting facilities provided

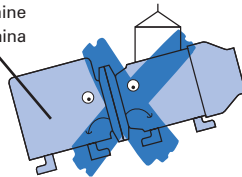
Utiliser tous les dispositifs de levage prévus

Alle vorgesehenen Hebevorrichtungen benutzen

Usare tutti i dispositivi per il sollevamento installati



Machine
Machine
Machine
Macchina



Do not lift other equipment with motor lifting points only.

Ne pas soulever d'autres équipements en utilisant uniquement les points de levage du moteur.

Angebaute Maschinen nicht mit Motorringöse heben.

Non sollevare altre apparecchiature usando solamente i punti di sollevamento del motore.



Frame size
Hauteur d'axe
Baugröße
Dimensione carcassa
NEMA



Frame size
Hauteur d'axe
Baugröße
Dimensione carcassa
NEMA

Maximum gross weights		Poids bruts maximum			Maximale bruttogewichte			Pesi lordi massimi		
 20 kg 44 lb	 50 kg 110 lb	 125kg 275 lb	 250 kg 550 lb	 500 kg 1100 lb	 750 kg 1650 lb	 1000 kg 2200 lb	 1500 kg 3300 lb	 2000 kg 4400 lb	 2500 kg 5500lb	 3500 kg 7700lb
63, 71 & 80	90 & 100	112, 132	160 & 180	200 & 225	250	280	315	355S	355M	355L
56	143/5	182/4 213/5	254/6 284/6	324/5 364/5	404/5	444/5	504/5	585-7	585-7	585-7
63 & 71	80, 90 & 100	112	132	160 & 180 254/6 284/6 217	200 324 2112/3	225 364 2811/23	250 404 3211/2	250 404 3611/2		355 585-7 4411/23



Pre-installation checks	Contrôles avant l'installation	Überprüfungen vor der installation	Controlli di pre-installazione
Corrosion Corrosion Korrosion Corrosione			Fan cover damage Dégâts sur capot de ventilateur Schäden an der Lüfterhaube Danno alla calotta copriventola
Shaft damage Dégâts sur l'arbre Schäden an der Welle Danno all'albero			Foot/mounting damage Dégâts sur les pattes de fixation Schäden am Gehäuse/Füßen Danno al piedi del motore
Check nameplate details Vérifier les renseignements indiqués sur la plaque signalétique Typenschilddetails prüfen Controllo dei valori in targa		Duty matches application? Leistung betriebsausreichend?	
		No loose fasteners? Keine losen Befestigungsteile?	

✓ kW ✓ V
✓ A ✓ r/min



Installation Mechanical	Installation Mécanique	Mechanische Installation	Installazione Meccanica
Level mounting surface Montagefläche ausrichten	Not misaligned Ausrichtung überprüfen	Vérifiez l'alignement du moteur Superficie di montaggio piana	
Mountings – use appropriate fastener torques Befestigungen – korrekte Anzugsdrehmomente benutzen.		Pas de désalignement Non allineato	
	Balanced Equilibrage	Unwucht prüfen	Bilanciato
Gaskets, and/or sealants, guards correctly fitted	Joints et/ou garnitures d'étanchéité, capot correctement monté	Korrekte Montage von Dichtungen, Kabeldurchführungen und Schutzvorrichtungen überprüfen	Le guarnizioni, tenute e protezioni devono essere montate correttamente
Belt tension	Tension de courroie	Riemenspannung	Tensione cinghia
Ensure adequate ventilation Für einen freien Kühlluftstrom sorgen		Vérifier que la ventilation est correcte Assicurare una ventilazione adeguata	
Drain plugs (if supplied). Fit to retain enclosure and certification Kondenswasserstopfen (wenn geliefert) montieren zum Erhalt der Schutzart		Bouchon de purge (si fournis) monté pour maintenir la protection et certification Montare i tappi di scarica condensa (se forniti) per mantenere il grado di protezione e la certificazione	
If noise level Lp is >80dB (A) at 1m, protection may be required Si niveau sonore Lp >80dB (A) à 1m, des protections peuvent être nécessaires Für Schalldruckpegel (Lp) grösser als 80dB (A), 1m von der Oberfläche des Motors – Ohrenschützer können erforderlich sein Si il livello di rumore Lp è di >80dB (A) ad 1m, sarà forse necessario usare dispositivi di protezione			
If temperature limits are specified, fit thermal protection devices Wenn Temperaturgrenze vorgeschrieben, Schutzvorrichtungen montieren		Si des limites de temperature sont spécifiées, monter des protections thermiques Se i limiti di temperatura sono specificati, montare ripari	



Installation Electrical	Installation Électrique	Elektrische Installation	Installazione Elettrica
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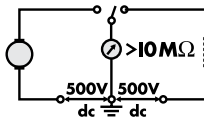
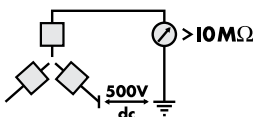


● Earthed

Mise à la terre

geerdet

A terra



- Check insulation resistance of all windings with 500V dc megger and discharge after test. If less than 10MΩ, dry out

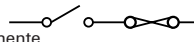
Vérifier la résistance d'isolement des bobinages à l'aide d'une magneto de 500V cc et déchargement après la mesure . Si < à 10MΩ, éteuver le bobinage

Der Isolationswiderstand jeder Wicklung muss mit einem Isolationsprüfer (500V GS) gemessen werden und nach der Messung entladen werden. Wenn weniger als 10MΩ Trocknung erforderlich

La resistenza d'isolamento di ogni avvolgimento deve essere misurata con megger (500V c.c.) e scaricata dopo il rilevamento

- Fused and isolated correctly
Korrekt absichern und
isolieren

Protégé par coupe circuit et
isolé correctement
Fusibilo ed isolato correttamente



- Overloads correctly set?

Überlastungsschutz richtig eingestellt?

Les relais de surcharge sont-ils
correctement réglés?
I sovraccarichi sono impostati
correttamente?

- Heater terminals (if fitted), will be live when motor is stationary

Les bornes des rechauffeurs (si fournis), seront alimentées lorsque le moteur est à l'arrêt

Die Klemmen der Heizelement (wenn montiert) bleiben gefährlich auch bei Stillstand
I terminali del riscaldatore (se montati), saranno sotto tensione quando il motore è fermo

- Mains cable correctly sized?

Sind die Kabel gross genug?

Les câbles d'alimentation sont-ils
correctement dimensionnés?
La dimensione dei cavi di alimentazione
è corretta?

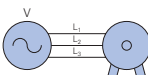
- Covers must be fitted

Abdeckungen müssen angebracht sein

Les capots doivent être en place
I coperchi devono essere montati

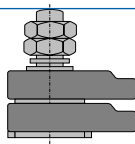


Connections	Connexions	Anschlüsse	Collegamenti
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- Check connection diagram
Vérifier le schéma de câblage
Anschlüsse nach
Anschlussplan überprüfen
Controllare lo schema di
collegamento

- Check free rotation of driven equipment
Vérifier que la machine
entraînée est libre
Prüfen, ob angetriebene
Maschine frei beweglich ist
Controllare che la macchina
condotta sia libera



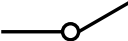
- Correct terminal arrangement
Vérifier le repérage des
bornes
Auf einwandfreien
elektrischen Anschluss
achten
Stringere i collegamenti
elettrici

- Check rotation, uncoupled
Vérifier la rotation à vide
Maschine im Leerlauf prüfen
Controllare la rotazione
del motore disaccoppiato dalla
macchina

- Connections are tight?
Les connexions sont-elles
bien serrées?
Sind die Anschlüsse fest
angezogen?
I Collegamenti sono stretti?

- Check fan rotation
Vérifier la rotation du
ventilateur
Drehrichtung von Gebläsen
prüfen
Controllare la rotazione della
ventola

	Problems	Problèmes	Probleme	Problemi
	Noisy · vibration tripping · overheating run-up	Bruit · vibrations déclenchement surchauffe · démarrage	Geräusche · Vibration Überstromauslösung Überhitzung Anlaufschwierigkeiten	Rumore · vibrazione scatto · surriscaldamento accelerazione
	Refer to supplier Quote motor number	Consulter le fournisseur Donnez le numéro du moteur	Hersteller fragen Motornummer angeben	Consultare il fornitore Citare il numero di serie del motore

	Maintenance	Entretien	Wartung	Manutenzione
 		 	Refer to supplier for details Pour les détails, consulter le fournisseur Schmierung usw. siehe Herstellerangaben Consultare il fornitore per i dettagli sulla lubrificazione, ecc ...	
		Isolate Trennen	Isoler Isolare	

	Spares	Pièces de rechange	Ersatzteile	Pezzi di ricambio
	Refer to supplier Quote motor number	Consulter le fournisseur Donnez le numéro du moteur	An Hersteller wenden Motornummer angeben	Consultare il fornitore Citare il numero di serie de motore

Directives and CE marking

CE

Directive	Description
73/23/EEC 93/68/EEC	Low Voltage Directive (LVD): motors are CE marked in compliance Amendment to LVD
98/37/EC	Machinery Directive: motors are outside of scope
89/336/EEC 92/31/EEC 93/68/EEC }	Electro Magnetic Compatibility Directive (EMC): motors comply Amendments to EMC
94/9/EC	ATEX Directive for hazardous atmospheres (where applicable)

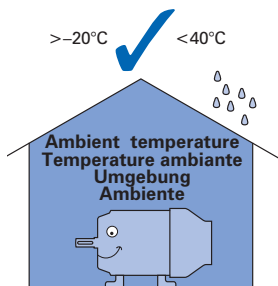
	Hazardous areas	Zones dangereuses	Gefahrenbereiche	Aree pericolose
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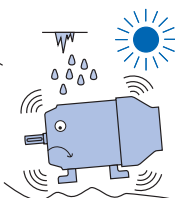
If motors are marked by any of the 4 symbols, special conditions apply
 Si les moteurs portent l'un des 4 symboles indiqués, des conditions spéciales seront applicables
 Wenn Motoren mit einem der 4 Symbole markiert sind, gelten Sonderbedingungen
 Se i motori sono contrassegnati da uno dei 4 simboli, significa che delle condizioni speciali sono applicabili

- Refer to:
- Spare parts, installation and maintenance leaflet
 - Constructional standards
 - The approval certificate
 - Codes of practice
- All operations must be carried out by appropriately trained personnel*
- Se reporter à:
- Pieces detachées, brochure d'installation et maintenance
 - Normes de construction
 - Certificat d'homologation
 - Codes de déontologie
- Toutes les manoeuvres doivent être effectuées par un personnel ayant reçu une formation appropriée*
- Bitte nachschlagen in:
- Ersatzteile, Betriebs- und Wartungsanleitung
 - Baunormen
 - Zulassungsbescheinigung
 - Richtlinien
- Alle Arbeiten müssen von entsprechend geschultem Personal ausgeführt werden*
- Fare riferimento a:
- Parti di ricambio, catalogo uso e manutenzione
 - Normative di costruzione
 - Il certificato di approvazione
 - I codici di
- Tutte le operazioni devono essere effettuate da personale qualificato*

Storage	Stockage	Lagerung	Immagazzinggio
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<-20°C X >40°C



✓ Energise heaters if fitted or use desiccant

✓ Mettre sous tension les réchauffeurs si installés ou utiliser un déshydratant

✓ Falls vorhanden, Heizgeräte einschalten, sonst Trockenmittel verwenden

✓ Alimentare i riscaldatori se montati od usare un essiccante

X Vibration

X Vibration

X Vibration

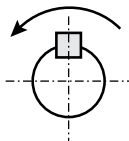
X Vibrazione

Periodic Requirements

Obligations périodiques

Regelmässig durchzuführende Überprüfungen

Fabbisogni periodici



1 week: rotate shaft approximately 90°

Toutes les semaines: rotation de l'arbre 90° environ

Wöchentlich: Welle mit Hand drehen ungefähr 90°

OGNI settimana: Ruotare l'albero di 90° gradi

3 months check insulation resistance if less than 10MΩ dry out.

Tous les 3 mois vérifiez la résistance d'isolement, si inférieur à 10MΩ, étuver le bobinage.

Vierteljährlich Isolationswiderstand prüfen. Wenn unter 10MΩ, Wicklung trocknen.

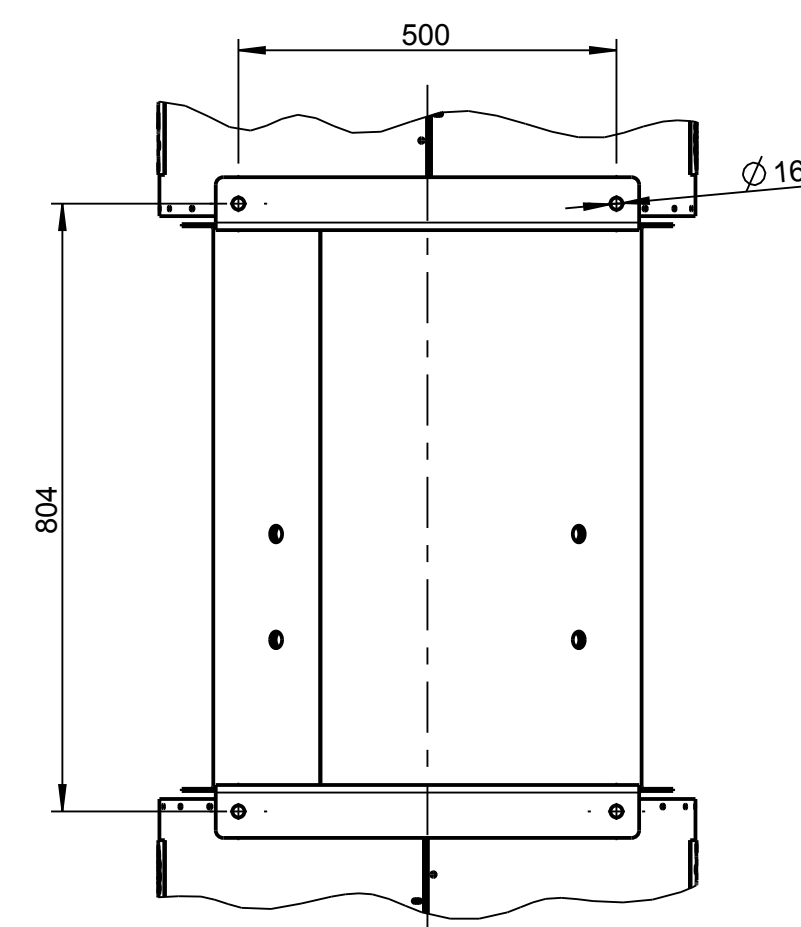
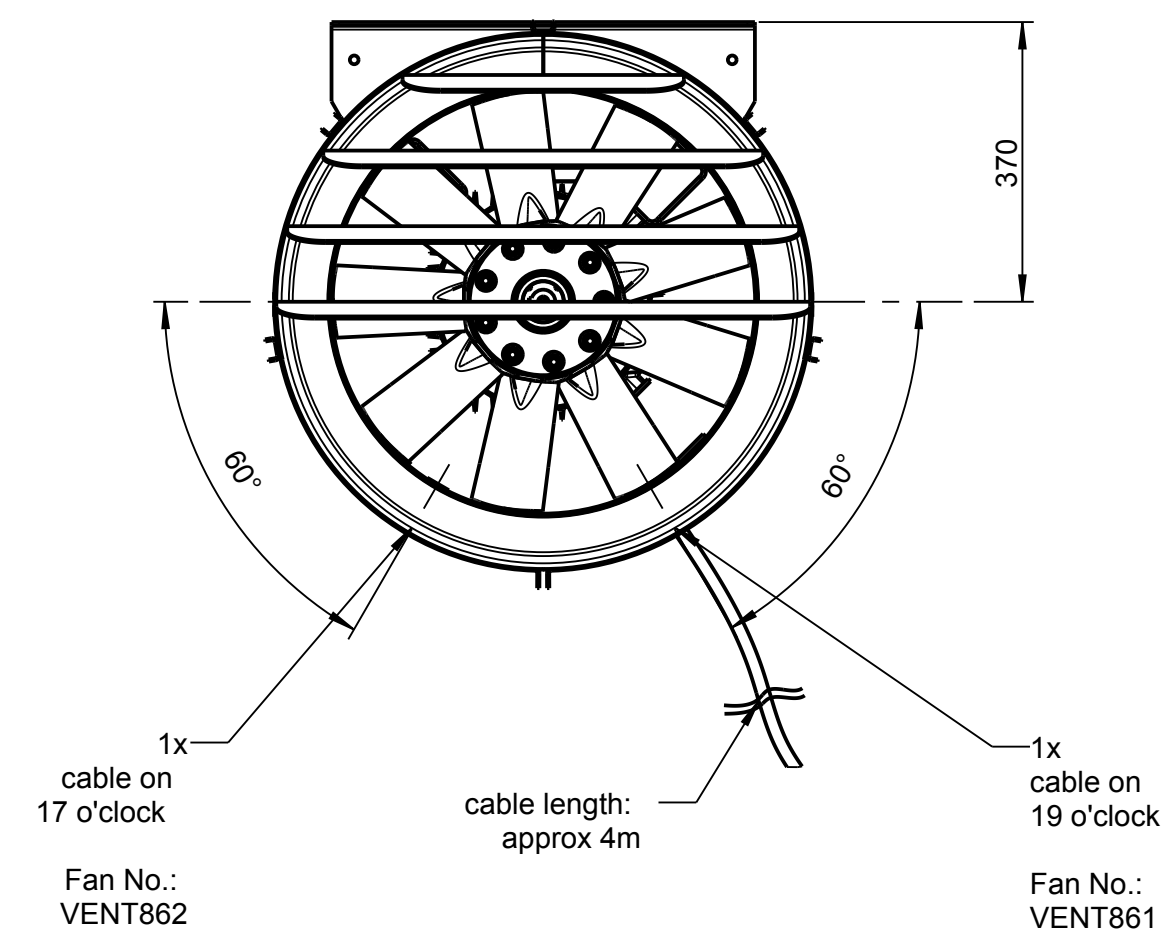
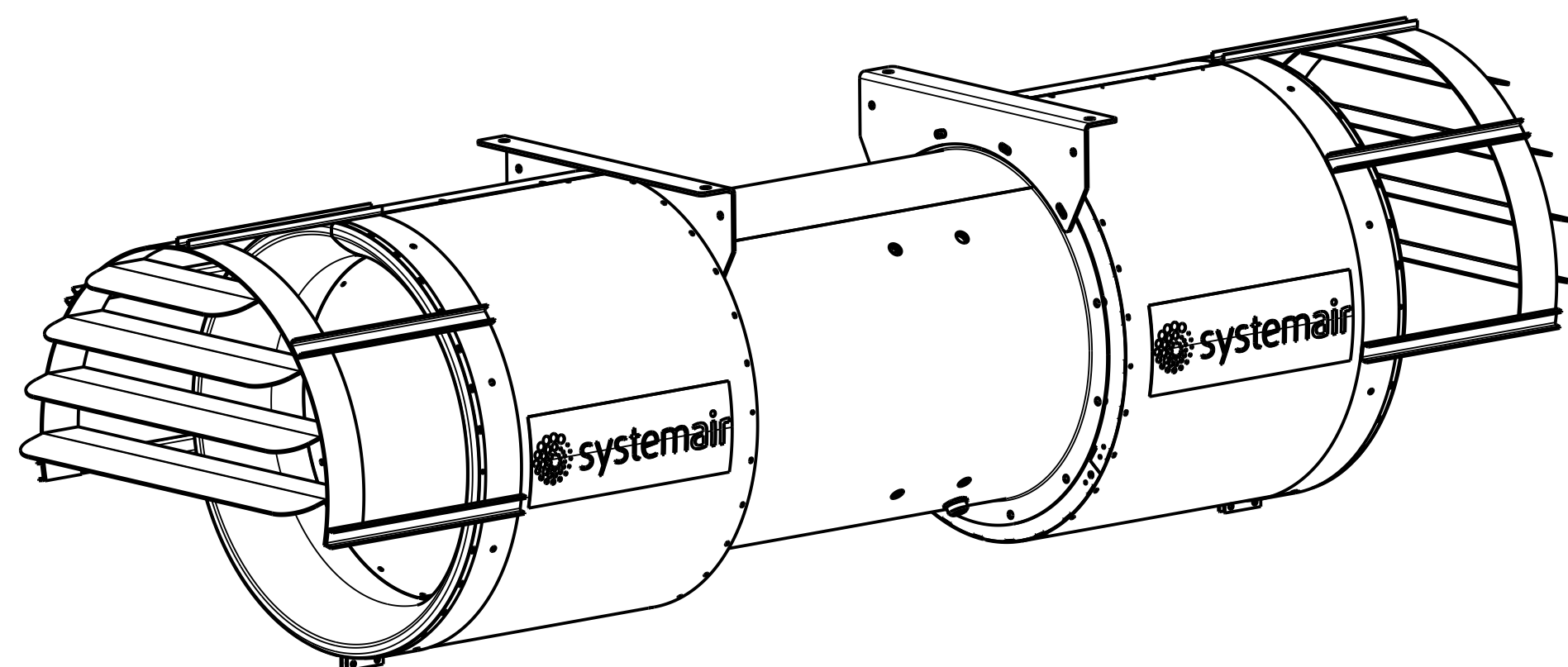
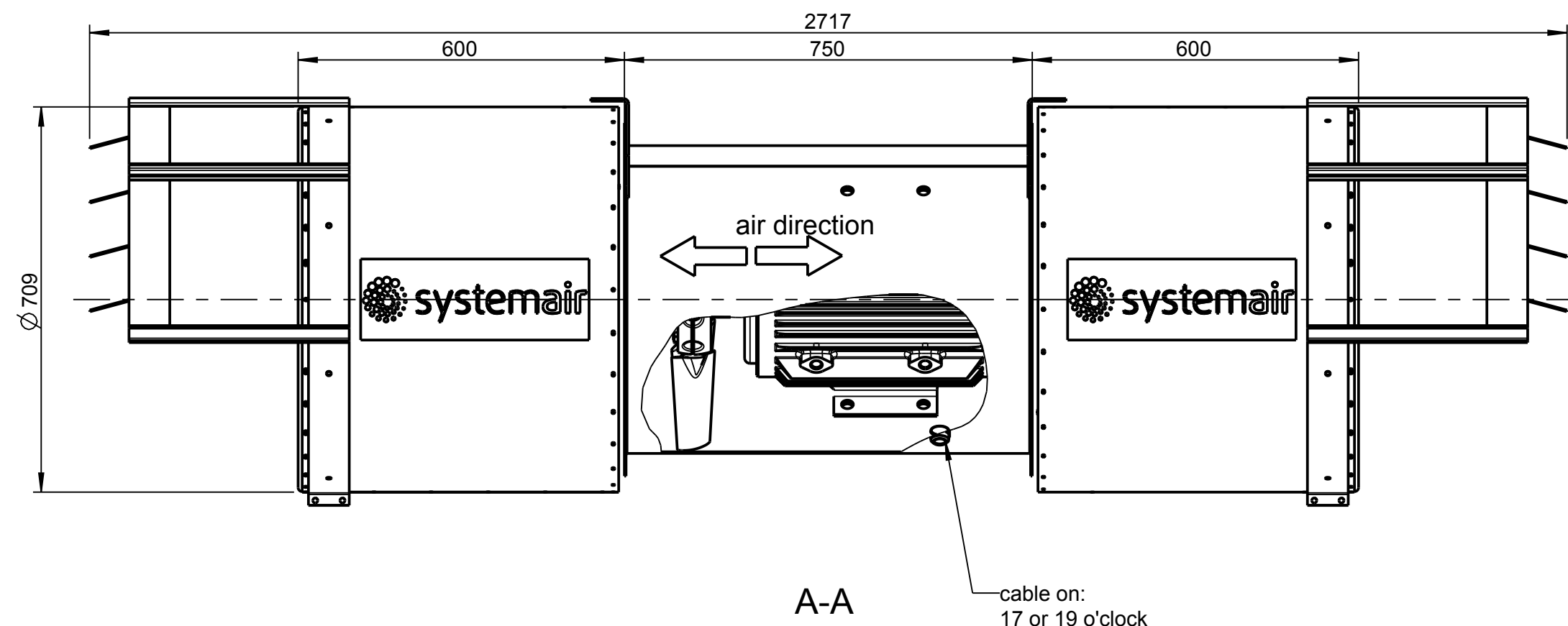
Ogni 3 mesi: Controllare la resistenza d'isolamento.



<i>Directive</i>	<i>Description</i>
73/23/EEC 93/68/EEC	Directive basse tension: la conformité des moteurs est indiquée par la marque CE Modification à la Directive basse tension
98/37/EC	Directive machines: les moteurs ne sont pas compris dans les limites de cette directive
89/336/EEC 92/31/EEC 93/68/EEC }	Directive sur la compatibilité électromagnétique: conformité des moteurs Modifications à la Directive sur la compatibilité électromagnétique
94/9/EC	Directive ATEX pour zones explosibles en cas d'application

<i>Richtlinie</i>	<i>Beschreibung</i>
72/23/EWG 93/68/EWG	Niederspannungsrichtlinie: die Motoren werden in Erfüllung der Richtlinie mit „CE“ gekennzeichnet Änderung zu Niederspannungsrichtlinie
98/37/EG	Maschinenrichtlinie: die Motoren fallen nicht unter den Anwendungsbereich
89/336/EWG 92/31/EWG 93/68/EWG }	Richtlinie über elektromagnetische Verträglichkeit: die Motoren erfüllen sie Änderung zu Richtlinie über elektromagnetische Verträglichkeit
94/9/EC	ATEX-Bestimmungen bei explosionsgefährdeten Umgebungen soweit zutreffend

<i>Direttiva</i>	<i>Descrizione</i>
93/23/EEC 93/68/EEC	Direttiva sulle basse tensioni: I motori hanno la relativa certificazione CE Emendamento della Direttiva sulle basse tensioni
98/37/EC	Direttiva sui macchinari: i motori sono fuori da questo ambito
89/336/EEC 92/31/EEC 93/68/EEC }	Direttiva sulla compatibilità elettromagnetica Rispettata emendamento della Direttiva sulla compatibilità elettromagnetica
94/9/EC	Normativa ATEX per ambienti pericolosi per quanto applicabile



Fan:
AJ 560-9/xx°-2(K)

Motor details:
 Insulation H - 250°C / 2h
 Motor Protection IP 55
 Motor Speed (1/min) 2880
 Motor Power (kW) 11.0
 Power Supply 400V / 50Hz / 3 Ph

Fan weighth:
approx: 295kg

Surface:

casing:
hot dipped galvenised,
Powder coated RAL 7035

silencer:
pre galvanized,
powder coated RAL 7035
perforated inner liner: stainless steel 1.4301

deflector:
pre galvanized,
powder coated RAL 7035

drawing checked / approved:

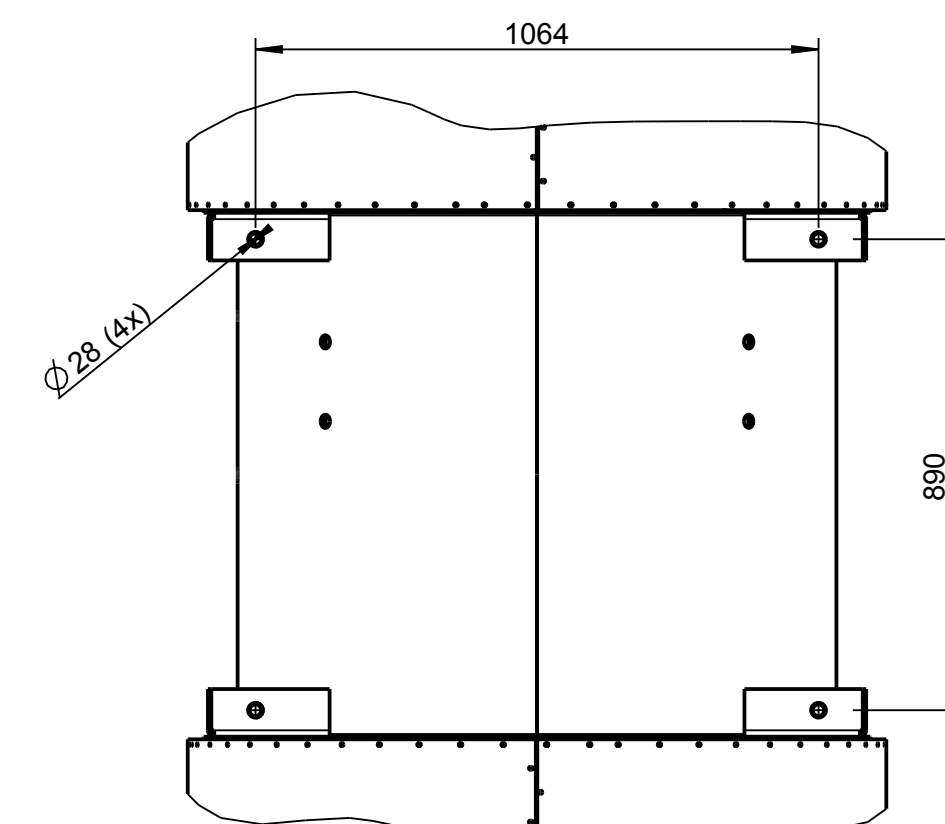
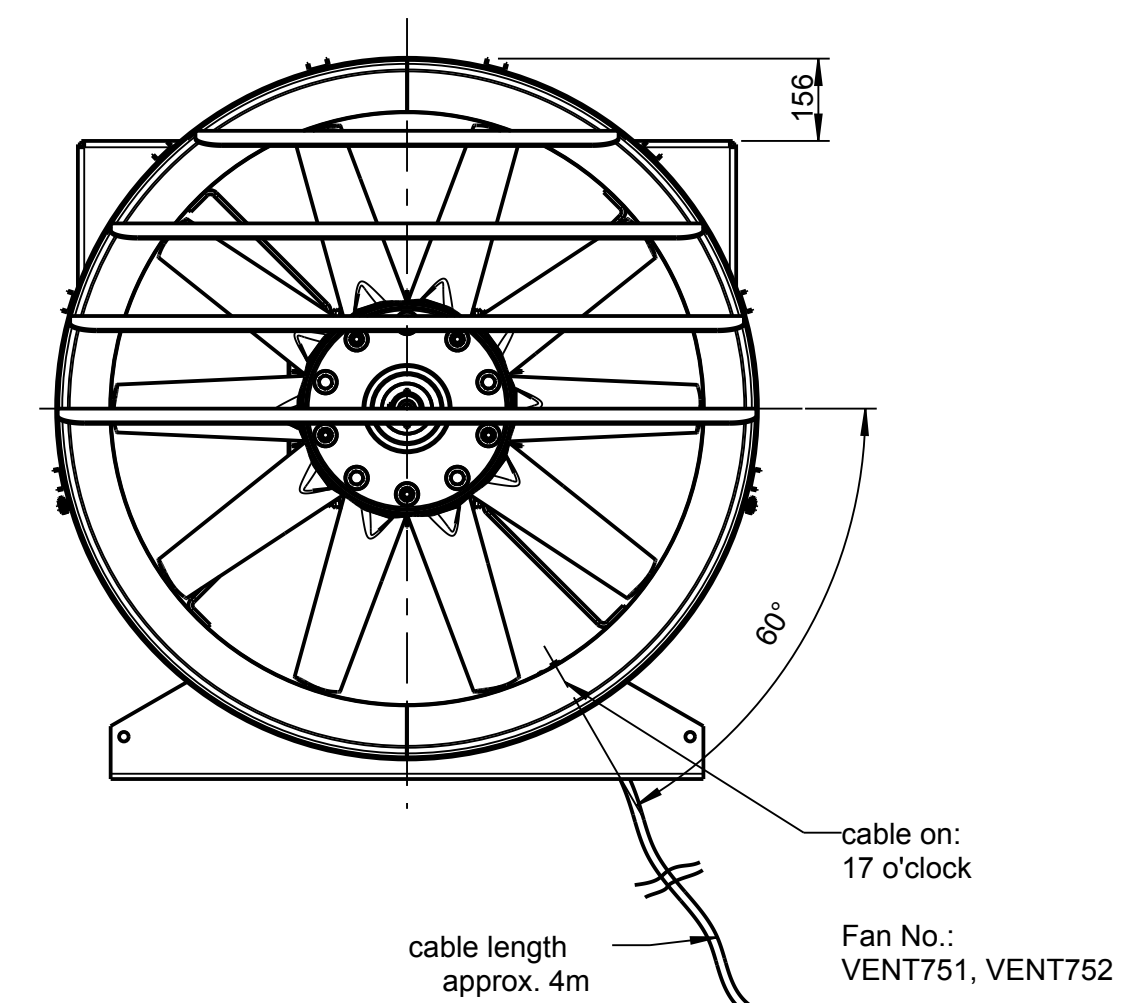
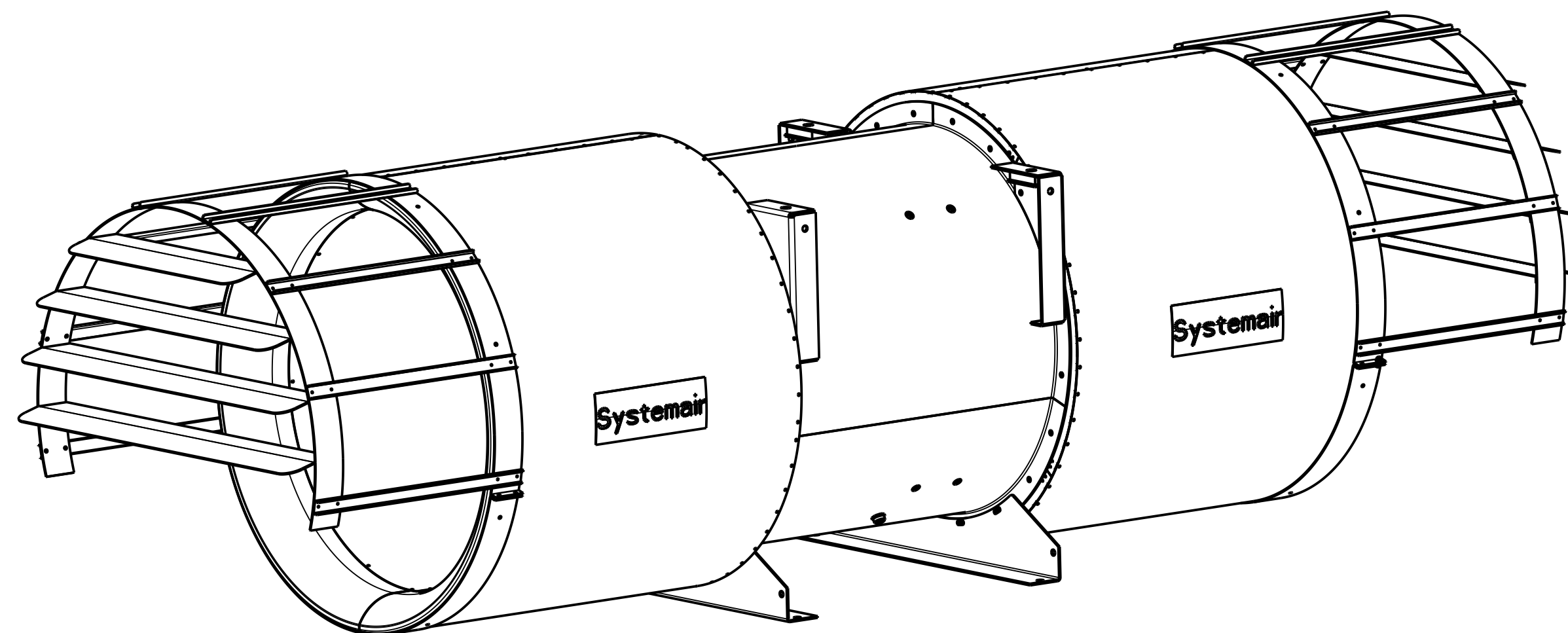
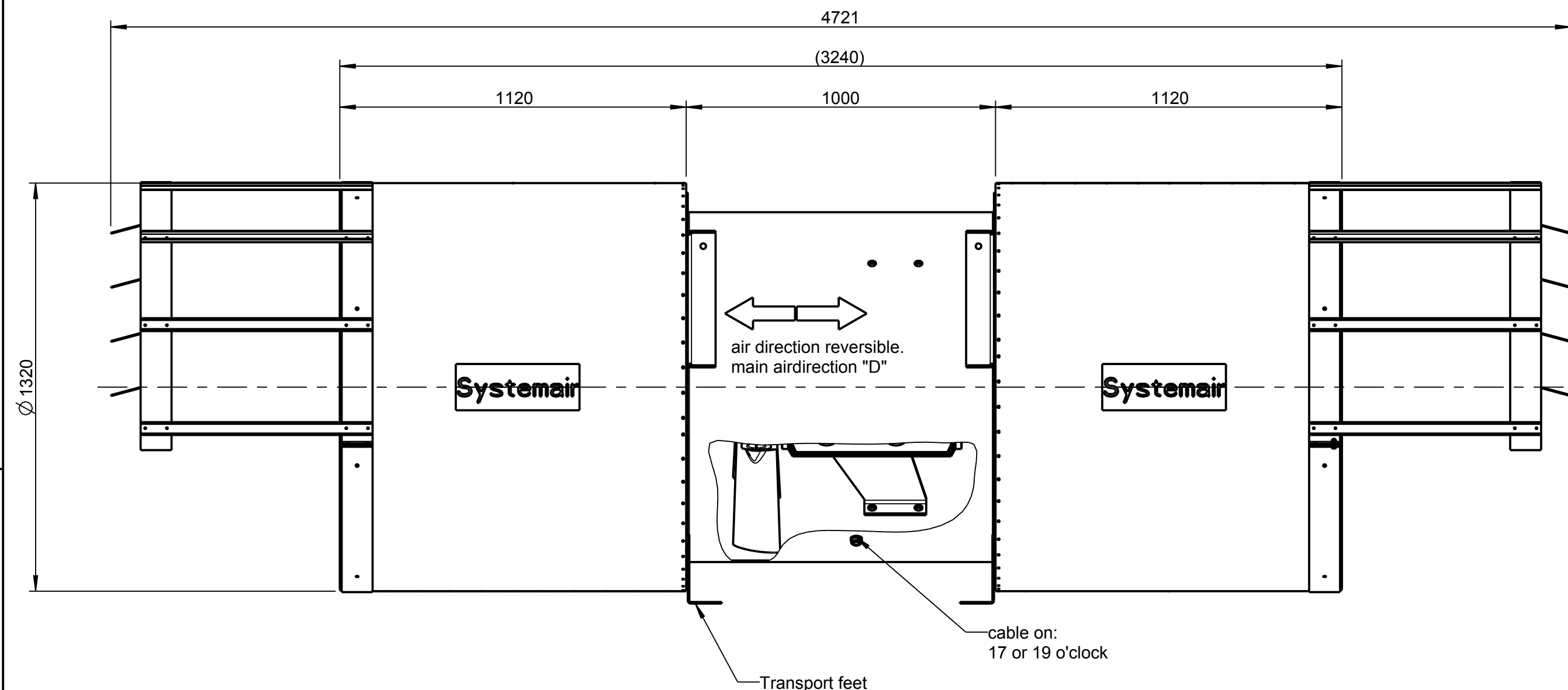
date: _____

name: _____

order confirmation No.:
0002289097
Pos.: 9+10

				Datum/date	Name/name	Systemair Artikelnr.: / Systemair item no.:	Maßstab / scale:	1:10	Gewicht / weight:	566.63 kg
				gestrichelt/ perforated	22.12.2011	M. Stahl				
				geprüft/ checked	-	-	Oberfl. Qualität / surface quality:	-	Baugröße / size:	-
				Werkstoff: siehe Stückliste material: see bill of material			Lieferant Art.Nr.: / supplier item no.:			
				Dicke: siehe Stückliste thickness: see bill of material			-			
				Maße ohne Toleranz- angabe nach: measurements without tolerances according: DIN 6930-m						
				Nr. No.	Datum/date	Name/name	Benennung:/title:			Zeichnungsnummer/drawing no.:
				Änderungsindex / revision index:			AJ 560 TR (1410 NO) Project: Vagssbydøpporten			AJ560 1411NO

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Zu widerhandlungen werden verfolgt. SYSTEMAIR GmbH



Surface:

casing:
hot dipped galvenised,
Powder coated RAL 7035

silencer:
pre galvanized,
powder coated RAL 7035
perforated inner liner: stainless steel 1.4301

deflector:
pre galvanized,
powder coated RAL 7035

drawing checked / approved:

date: _____

name: _____

order confirmation No.:

0002289097

Pos.: 7+8

Fan:

AJ 1120-10/xx^o-4(K)

Motor details:

Insulation H - 250°C / 2h

Motor Protection IP 55

Motor Speed (1/min) 1470

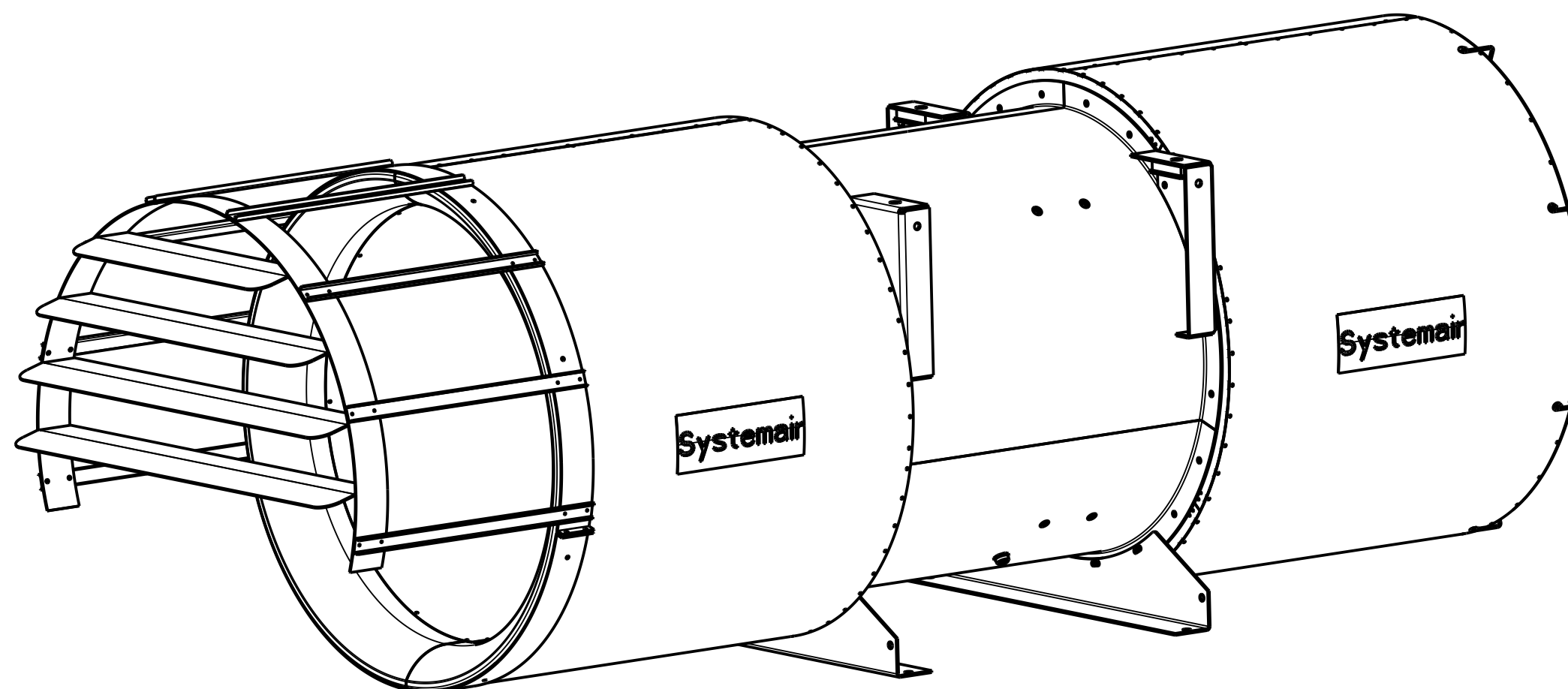
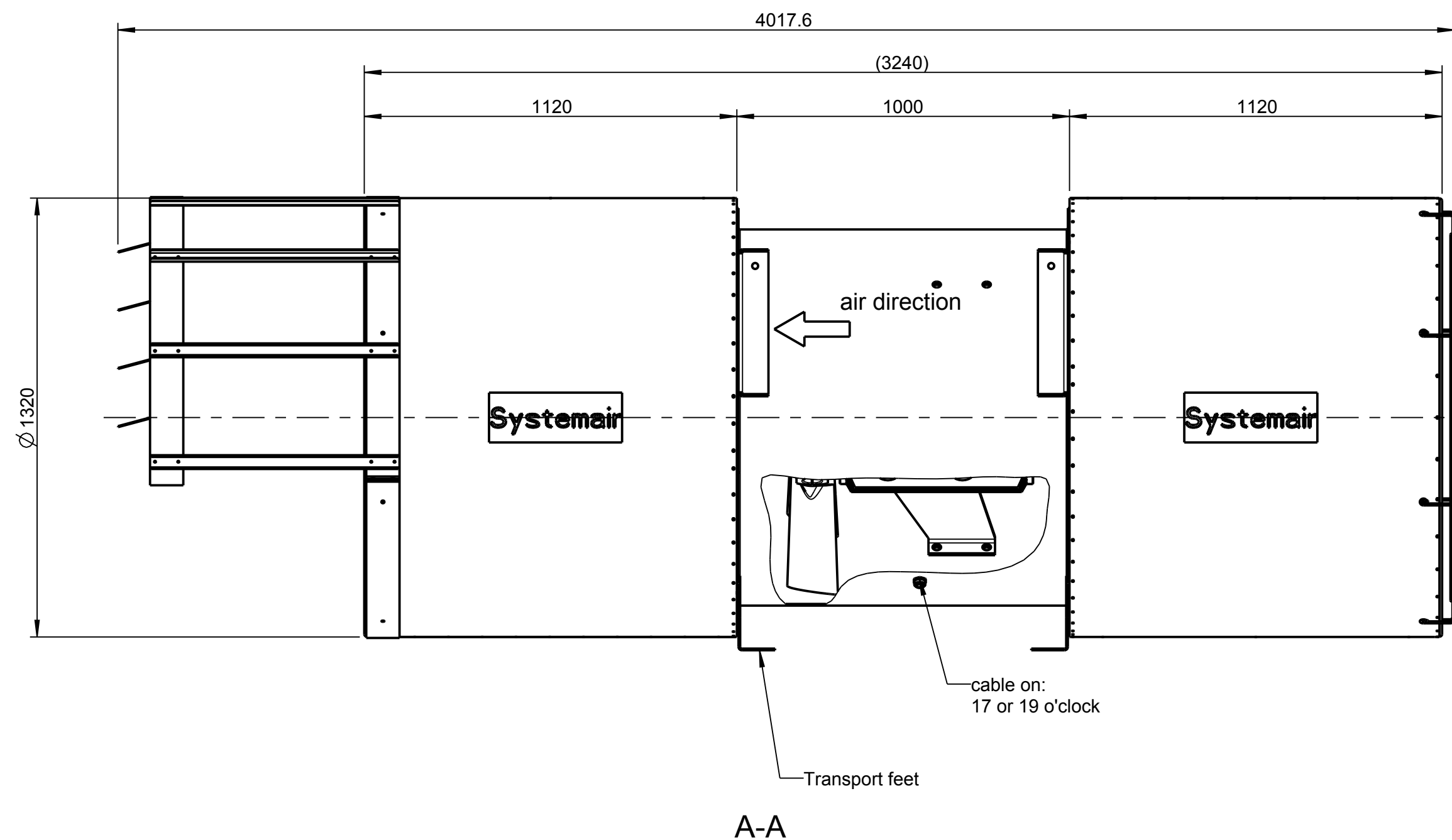
Motor Power (kW) 30.0
Power Supply 400V / 50Hz / 3 Ph

Fan weight:

approx: 775kg

			Datum/date	Name/name	Systemair Artikelnr.: / Systemair item no.:	Maßstab/ scale:	7:100	Gewicht/ weight:		
			08.11.2011	M. Stahl		-	Oberfl. Qualität / surface quality:	-	Baugröße/ size:	-
			geprüft/ checked by:	-		Lieferant Art.Nr.: / supplier item no.:				
			Werkstoff: siehe Stückliste material: see bill of material		-	Zeichnungsnummer/drawing no.:				
			Dicke: siehe Stückliste thickness: see bill of material		-	AJ1120 1411NO V2				
3	19.04.2012	M. Stahl								
2	22.11.2011	M. Stahl	Maße ohne Toleranz- angabe nicht.	Benennung/Title:						
1	16.11.2011	M. Stahl	measurements without tolerances according	AJ 1120 TR (1411 NO)						
Nr. No.	Datum/date	Name/name	DIN 6930-m	Project: Vagsbvdpporten						
Änderungsindex / revision index:										

Das Vervielfältigen dieser Zeichnung und Mitteilen an dritte ist Verboten. Für diese Zeichnung behalten wir uns alle Rechte gemäß Urheberschutz vor.
Zuweiterhandlungen werden verfolgt. SYSTEMAIR GmbH



Surface:

casing:
hot dipped galvenised,
Powder coated RAL 7035

silencer:
pre galvanized,
powder coated RAL 7035
perforated inner liner: stainless steel 1.4301

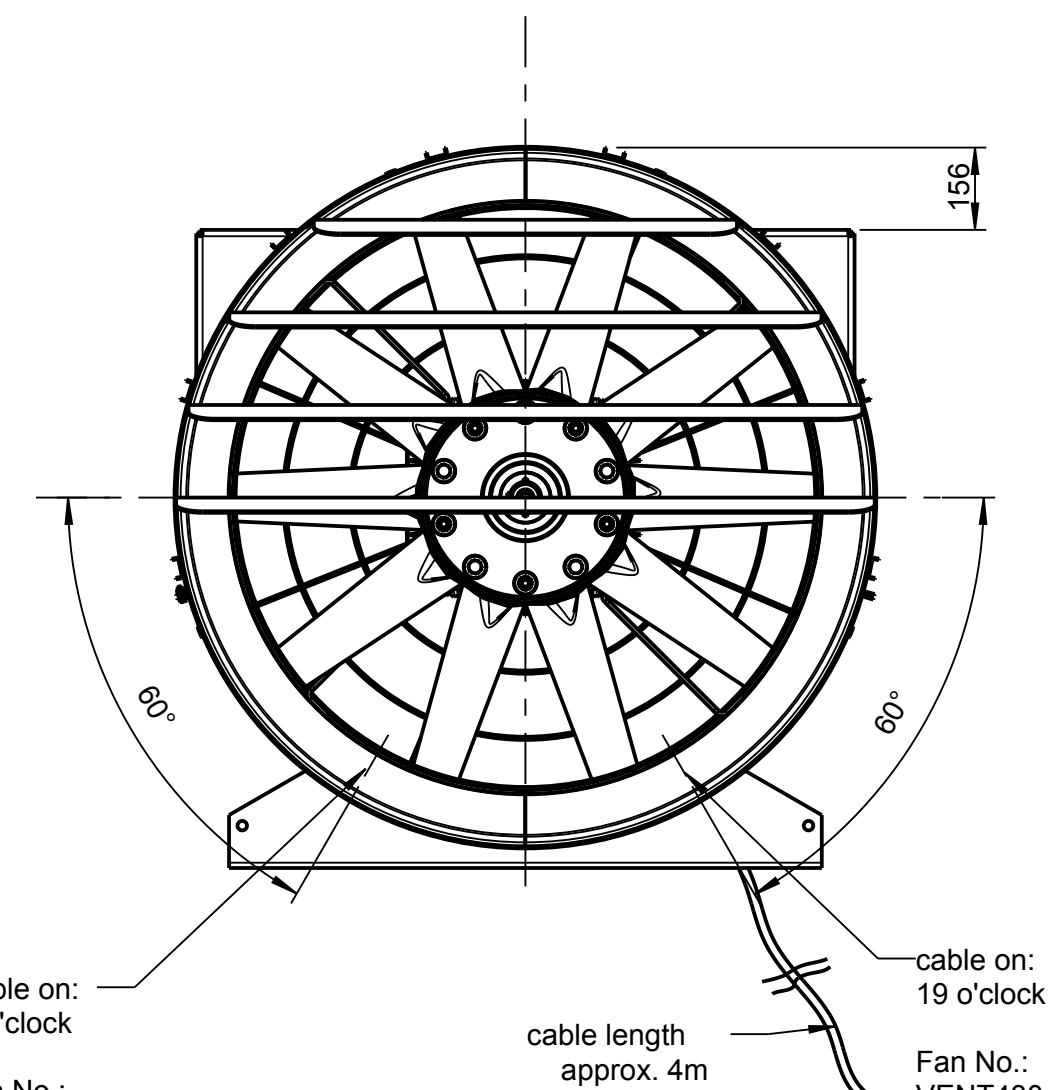
protection guard:
coated RAL 7035

deflector:
pre galvanized,
powder coated RAL 7035

drawing checked / approved:

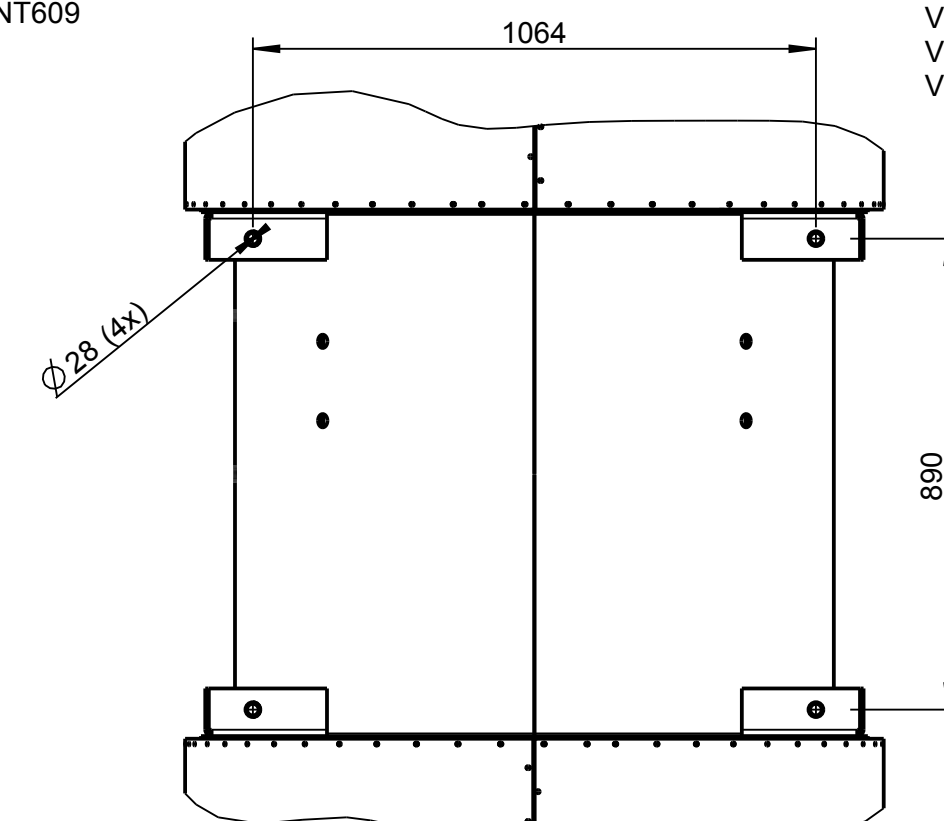
date: _____

name: _____



Fan No.:
VENT429, VENT431, VENT433
VENT605, VENT607, VENT609

Fan No.:
VENT430, VENT432, VENT434,
VENT435, VENT436, VENT437,
VENT438, VENT601, VENT602,
VENT603, VENT604, VENT606,
VENT608, VENT610



Fan:
AJ 1120-10/xx°-4(K)

Motor details:

Insulation H - 250°C / 2h
Motor Protection IP 55
Motor Speed (1/min) 1470
Motor Power (kW) 30.0
Power Supply 400V / 50Hz / 3 Ph

Fan weighth:
approx: 730kg

				Datum/date	Name/name	Systemair Artikelnr./ Systemair item no.:	Maßstab/scale:	7:100	Gewicht/weight:	
			gezeichnet/drawn by	08.11.2011	M. Stahl					
			geprüft/checked by	-	-	-				
			Werkstoff: siehe Stückliste material: see bill of material			Lieferant Art.Nr./ supplier item no.:	Oberfl. Qualität/surface quality:	-	Baugröße/size:	-
			Dicke: siehe Stückliste thickness: see bill of material				-			
3	19.04.2012	M. Stahl	Maße ohne Toleranz angabe nach: measurements without tolerances according to:			Benennung/Title: AJ 1120 (1411 NO) Project: Vagsbvdpöporten	 Zeichnungsnummer/drawing no.: AJ1120 1411NO			
2	22.11.2011	M. Stahl								
1	16.11.2011	M. Stahl								
	Datum/date	Name/name								
	Arbeitsindex / revision index:									

Order no.: 0002289097

PA-no.: 927445

Fan type: AJ 1120-10/30°-4(K)

Fan-/Motor no.: VENT 422-IL702763

Motor brand:

Brook Crompton

Temperature class:	☒ 40°C	☐ 200°C/2h	☐ 250°C/1h	☐ 250°C/2h	☐ 300°C/2h	☐ 400°C/2h	☐ Other:
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Motor data:	U [V]	f [Hz]	I [A]	P [OutputkW]	n [1/min]	IP	ISO	Cos φ:
	400/690	50	54,0/31,0	30,0	1470	55	H	0,86

Connection:	☒ Y	☒ D	☐ YY	☐	☒ single-/ ☐ two-speed	☐ 1~	☒ 3~
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Measured data:						
f [Hz] / number of poles	Phasen	U [V]	I [A]	P [Input kW]		
Form A / Motor first, then impeller					Unit vibrations in tolerance to ISO 10816-1	
50 / 4	L1	379,9	56,15	32,73		
	L2	381,6	55,68	I [A] @ 400V		
	L3	380,3	57,29	54,9		

Miscellaneous:					
Motor protection:	☐ yes	☒ no	Isolator: ☐ yes ☒ no		
	☐ TK	☐ PTC	Motor heater 230 V: ☐ yes ☒ no		
Visual inspection Ok:	☒ yes	☐ no	Bearings Ok: ☒ yes ☐ no		
Rotation direction:		☒ ok			

	set value:	actual value:	Testing according EN 60 ☒ yes ☐ no
Minimum Tip gap [mm]:	6,50	☒ ok	Protection earth conductor (PE): ☒ ok High voltage (HVAC): ☒ ok

Notice:	
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Signature tester / date:

Manuel Kaibel

Inspection Sheet

AP-0106-004


Order no.: 0002289097

PA-no.: 927445

Fan type: AJ 1120-10/30°-4(K)

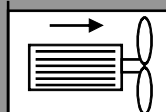
Fan-/Motor no.: VENT 424-IL702764

Motor brand: Brook Crompton

Temperature class:	☐ 40 °C	☐ 200 °C/2h	☐ 250 °C/1h	☒ 250 °C/2h	☐ 300 °C/2h	☐ 400 °C/2h	☐ Other:
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Motor data:	U [V]	f [Hz]	I [A]	P [OutputkW]	n [1/min]	IP	ISO	Cos φ:
	400/690	50	54,0/31,0	30,0	1470	55	H	0,86

Connection:	☒ Y	☒ D	☐ YY	☐	☒ single-/ ☐ two-speed	☐ 1~ ☒ 3~
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Measured data:						
f [Hz] / number of poles	Phasen	U [V]	I [A]	P [Input kW]		
Form A / Motor first, then impeller					Unit vibrations in tolerance to ISO 10816-1	
					i.O.	
50 / 4	L1	378,7	54,19	31,08		
	L2	379,2	53,47	I [A] @ 400V		
	L3	378,6	54,27	52,2		

Miscellaneous:			
Motor protection:	☐ yes	☒ no	Isolator: ☐ yes ☒ no
	☐ TK	☐ PTC	Motor heater 230 V: ☐ yes ☒ no
Visual inspection Ok:	☒ yes	☐ no	Bearings Ok: ☒ yes ☐ no
Rotation direction:		☒ ok	

	set value:	actual value:	Testing according EN 60 ☒ yes ☐ no
Minimum Tip gap [mm]:	6,50	☒ ok	Protection earth conductor (PE): ☒ ok High voltage (HVAC): ☒ ok

Notice:

Signature tester / date:

Manuel Kaibel

Order no.: 0002289097

PA-no.: 927445

Fan type: AJ 1120-10/30°-4(K)

Fan-/Motor no.: VENT 426-IL702782

Motor brand:

Brook Crompton

Temperature class:		40 °C	200 °C/2h	250 °C/1h	250 °C/2h	300 °C/2h	400 °C/2h	Other:	
Motor data:		U [V]	f [Hz]	I [A]	P [OutputkW]	n [1/min]	IP	ISO	Cos φ:
		400/690	50	54,0/31,0	30,0	1470	55	H	0,86
Connection:		☒ Y	☒ D	☐ YY	☐	☒ single-/ ☐ two-speed		☐ 1~ ☒ 3~	
Measured data:									
f [Hz] / number of poles		Phasen	U [V]	I [A]					
Form A / Motor first, then impeller					Unit vibrations in tolerance to ISO 10816-1		i.O.		
50 / 4		L1	380,9	54,86	32,10				
		L2	381,9	55,65	I [A] @ 400V				
		L3	381,8	55,52	53,9				

Miscellaneous:					
Motor protection:	☐ yes	☒ no	Isolator:	☐ yes	☒ no
	☐ TK	☐ PTC	Motor heater 230 V:	☐ yes	☒ no
Visual inspection Ok:	☒ yes	☐ no	Bearings Ok:	☒ yes	☐ no
Rotation direction:	☒ ok				

	set value:	actual value:	Testing according EN 60 ☒ yes ☐ no
Minimum Tip gap [mm]:	6,50	☒ ok	Protection earth conductor (PE): ☒ ok High voltage (HVAC): ☒ ok

Notice:

Signature tester / date:

Benjamin Reiser

Inspection Sheet

AP-0106-004


Order no.: 0002289097

PA-no.: 927448

Fan type: AJ 1120-10/30°-4(K)

Fan-/Motor no.: VENT 421-IL702767

Motor brand: Brook Crompton

Temperature class:	☐ 40 °C	☐ 200 °C/2h	☐ 250 °C/1h	☒ 250 °C/2h	☐ 300 °C/2h	☐ 400 °C/2h	☐ Other:
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Motor data:	U [V]	f [Hz]	I [A]	P [OutputkW]	n [1/min]	IP	ISO	Cos φ:
	400/690	50	54,0/31,0	30,0	1470	55	H	0,86

Connection:	☒ Y	☒ D	☐ YY	☐	☒ single-/ ☐ two-speed	☐ 1~ ☒ 3~
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Measured data:						
f [Hz] / number of poles	Phasen	U [V]	I [A]	P [Input kW]		
Form A / Motor first, then impeller					Unit vibrations in tolerance to ISO 10816-1	i.O.
50 / 4	L1	379,0	54,47	31,66		
	L2	378,9	55,78	I [A] @ 400V		
	L3	379,8	54,6	53,1		

Miscellaneous:			
Motor protection:	☐ yes	☒ no	Isolator: ☐ yes ☒ no
	☐ TK	☐ PTC	Motor heater 230 V: ☐ yes ☒ no
Visual inspection Ok:	☒ yes	☐ no	Bearings Ok: ☒ yes ☐ no
Rotation direction:		☒ ok	

	set value:	actual value:	Testing according EN 60 ☒ yes ☐ no
Minimum Tip gap [mm]:	6,50	☒ ok	Protection earth conductor (PE): ☒ ok
			High voltage (HVAC): ☒ ok

Notice:

Signature tester / date:

Benjamin Reiser

Order no.: 0002289097

PA-no.: 927448

Fan type: AJ 1120-10/30°-4(K)

Fan-/Motor no.: VENT 425-IL702781

Motor brand:

Brook Crompton

Temperature class:		40 °C	200 °C/2h	250 °C/1h	250 °C/2h	300 °C/2h	400 °C/2h	Other:	
Motor data:		U [V]	f [Hz]	I [A]	P [OutputkW]	n [1/min]	IP	ISO	Cos φ:
		400/690	50	54,0/31,0	30,0	1470	55	H	0,86
Connection:		☒ Y	☒ D	☐ YY	☐	☒ single-/ ☐ two-speed		☐ 1~ ☒ 3~	
Measured data:									
f [Hz] / number of poles		Phasen	U [V]	I [A]					
Form A / Motor first, then impeller					Unit vibrations in tolerance to ISO 10816-1		i.O.		
50 / 4		L1	379,6	54,51	31,56				
		L2	379,6	55,23	I [A] @ 400V				
		L3	379,8	54,46	53,0				

Miscellaneous:					
Motor protection:	☐ yes	☒ no	Isolator: ☐ yes ☒ no		
	☐ TK	☐ PTC	Motor heater 230 V: ☐ yes ☒ no		
Visual inspection Ok:	☒ yes	☐ no	Bearings Ok: ☒ yes ☐ no		
Rotation direction:		☒ ok			

	set value:	actual value:	Testing according EN 60 ☒ yes ☐ no
Minimum Tip gap [mm]:	6,50	☒ ok	Protection earth conductor (PE): ☒ ok High voltage (HVAC): ☒ ok

Notice:

Signature tester / date:

Benjamin Reiser

Inspection Sheet

AP-0106-004


Order no.: 0002289097

PA-no.: 927448

Fan type: AJ 1120-10/30°-4(K)

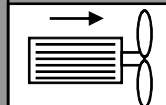
Fan-/Motor no.: VENT 423-IL702782

Motor brand: Brook Crompton

Temperature class:	☐ 40 °C	☐ 200 °C/2h	☐ 250 °C/1h	☒ 250 °C/2h	☐ 300 °C/2h	☐ 400 °C/2h	☐ Other:
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Motor data:	U [V]	f [Hz]	I [A]	P [OutputkW]	n [1/min]	IP	ISO	Cos φ:
	400/690	50	54,0/31,0	30,0	1470	55	H	0,86

Connection:	☒ Y	☒ D	☐ YY	☐	☒ single-/ ☐ two-speed	☐ 1~ ☒ 3~
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Measured data:						
f [Hz] / number of poles	Phasen	U [V]	I [A]	P [Input kW]		
Form A / Motor first, then impeller					Unit vibrations in tolerance to ISO 10816-1	
					i.O.	
50 / 4	L1	377,5	56,07	32,37		
	L2	378,3	56,08	I [A] @ 400V		
	L3	377,4	56,38	54,3		

Miscellaneous:			
Motor protection:	☐ yes	☒ no	Isolator: ☐ yes ☒ no
	☐ TK	☐ PTC	Motor heater 230 V: ☐ yes ☒ no
Visual inspection Ok:	☒ yes	☐ no	Bearings Ok: ☒ yes ☐ no
Rotation direction:	☒ ok		

	set value:	actual value:	Testing according EN 60 ☒ yes ☐ no
Minimum Tip gap [mm]:	6,50	☒ ok	Protection earth conductor (PE): ☒ ok
			High voltage (HVAC): ☒ ok

Notice:

Signature tester / date:

Benjamin Reiser

Inspection Sheet

AP-0106-004


Order no.: 0002289097

PA-no.: 933496

Fan type: AJ 900-10/40 °-4(K)

Fan-/Motor no.:

542-JC742935

Motor brand:

Brook Crompton

Temperature class:	☐ 40 °C	☐ 200 °C/2h	☐ 250 °C/1h	☒ 250 °C/2h	☐ 300 °C/2h	☐ 400 °C/2h	☐ Other:
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Motor data:	U [V]	f [Hz]	I [A]	P [OutputkW]	n [1/min]	IP	ISO	Cos φ:
	400	50	28,0	15,0	1470	55	H	0,84

Connection:	☐ Y	☒ D	☐ YY	☐	☒ single-/ ☐ two-speed	☐ 1~ ☒ 3~
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Measured data:						
f [Hz] / number of poles	Phasen	U [V]	I [A]	P [Input kW]		
Form A / Motor first, then impeller					Unit vibrations in tolerance to ISO 10816-1	i.O.
50 / 4	L1	396,3	25,15	14,08		
	L2	396,6	25,23	I [A] @ 400V		
	L3	396,6	25,22	24,2		
Form B / Impeller first, then motor					Unit vibrations in tolerance to ISO 10816-1	i.O.
50 / 4	L1	395,7	25,40	14,15		
	L2	395,6	25,4	I [A] @ 400V		
	L3	395,7	25,14	24,3		

Miscellaneous:					
Motor protection:	☐ yes	☒ no	Isolator: ☐ yes ☒ no		
	☐ TK	☐ PTC	Motor heater 230 V: ☐ yes ☒ no		
Visual inspection Ok:	☒ yes	☐ no	Bearings Ok: ☒ yes ☐ no		
Rotation direction:		☒ ok			

	set value:	actual value:	Testing according EN 60	☒ yes ☐ no
Minimum Tip gap [mm]:	5,00	☒ ok	Protection earth conductor (PE):	☒ ok
			High voltage (HVAC):	☒ ok

Notice:

Signature tester / date:

Manuel Kaibel

PA-no.: 933496

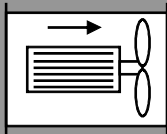
Fan type: AJ 900-10/40°-4(K)

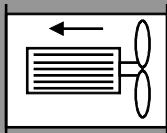
Brook Crompton

Temperature class:	☐ 40°C	☐ 200°C/2h	☐ 250°C/1h	☒ 250°C/2h	☐ 300°C/2h	☐ 400°C/2h	☐ Other:
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Motor data:	U [V]	f [Hz]	I [A]	P [OutputkW]	n [1/min]	IP	ISO	Cos φ :
	400	50	28,0	15,0	1470	55	H	0,84

Connection:	☐ Y	☒ D	☐ YY	☐	☒ single-/ ☐ two-speed	☐ 1~	☒ 3~
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Measured data:						
f [Hz] / number of poles	Phasen	U [V]	I [A]	P [Input kW]		
Form A / Motor first, then impeller					Unit vibrations in tolerance to ISO 10816-1	i.O.
50 / 4	L1	396,3	24,48	13,53		
	L2	396,1	24,6	I [A] @ 400V		
	L3	396,1	24,61	23,2		

Form B / Impeller first, then motor					Unit vibrations in tolerance to ISO 10816-1	i.O.
50 / 4	L1	395,7	24,22	13,42		
	L2	395,5	24,59	I [A] @ 400V		
	L3	395,7	24,46	23,1		

Miscellaneous:			
Motor protection:	☐ yes	☒ no	Isolator: ☐ yes ☒ no
	☐ TK	☐ PTC	Motor heater 230 V: ☐ yes ☒ no
Visual inspection Ok:	☒ yes	☐ no	Bearings Ok: ☒ yes ☐ no
Rotation direction:	☒ ok		

	set value:	actual value:	Testing according EN 60 ☒ yes ☐ no
Minimum Tip gap [mm]:	5,00	☒ ok	Protection earth conductor (PE): ☒ ok High voltage (HVAC): ☒ ok

Notice:

Signature tester / date:

Manuel Kaibel

Order no.: 0002289097

PA-no.: 933497

Fan type: AJ 900-10/40°-4(K)

Fan-/Motor no.:

JA740685

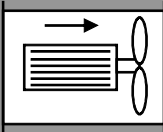
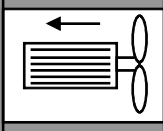
Motor brand:

Brook Crompton

Temperature class:	☒ 40°C	☐ 200°C/2h	☐ 250°C/1h	☐ 250°C/2h	☐ 300°C/2h	☐ 400°C/2h	☐ Other:
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Motor data:	U [V]	f [Hz]	I [A]	P [OutputkW]	n [1/min]	IP	ISO	Cos φ:
	400	50	28,0	15,0	1470	55	H	0,84

Connection:	☐ Y	☒ D	☐ YY	☐	☒ single-/ ☐ two-speed	☐ 1~	☒ 3~
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Measured data:						
f [Hz] / number of poles	Phasen	U [V]	I [A]	P [Input kW]		
Form A / Motor first, then impeller					Unit vibrations in tolerance to ISO 10816-1	i.O.
50 / 4	L1	386,6	25,64	13,86		
	L2	387,3	24,91	I [A] @ 400V 23,8		
	L3	385,7	25,15			
Form B / Impeller first, then motor					Unit vibrations in tolerance to ISO 10816-1	i.O.
50 / 4	L1	386,7	25,28	13,85		
	L2	386,8	25,58	I [A] @ 400V 23,8		
	L3	386,9	25,44			

Miscellaneous:					
Motor protection:	☐ yes	☒ no	Isolator: ☐ yes ☒ no		
	☐ TK	☐ PTC	Motor heater 230 V: ☐ yes ☒ no		
Visual inspection Ok:	☒ yes	☐ no	Bearings Ok: ☒ yes ☐ no		
Rotation direction:		☒ ok			

	set value:	actual value:	Testing according EN 60 ☒ yes ☐ no
Minimum Tip gap [mm]:	5,00	☒ ok	Protection earth conductor (PE): ☒ ok High voltage (HVAC): ☒ ok

Notice:	
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Signature tester / date:

Manuel Kaibel

Inspection Sheet

AP-0106-004


Order no.: 0002289097

PA-no.: 933497

Fan type: AJ 900-10/40°-4(K)

Fan-/Motor no.: JA740684

Motor brand: Brook Crompton

Temperature class:	☐ 40°C	☐ 200°C/2h	☐ 250°C/1h	☐ 250°C/2h	☐ 300°C/2h	☐ 400°C/2h	☐ Other:
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Motor data:	U [V]	f [Hz]	I [A]	P [OutputkW]	n [1/min]	IP	ISO	Cos φ:
	400	50	28,0	15,0	1470	55	H	0,84

Connection:	☐ Y	☒ D	☐ YY	☐	☒ single-/ ☐ two-speed	☐ 1~ ☒ 3~
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Measured data:						
f [Hz] / number of poles	Phasen	U [V]	I [A]	P [Input kW]		
Form A / Motor first, then impeller					Unit vibrations in tolerance to ISO 10816-1	i.O.
50 / 4	L1	387,4	25,53	13,97		
	L2	387,3	25,49	I [A] @ 400V		
	L3	386,8	25,19	24,0		
Form B / Impeller first, then motor					Unit vibrations in tolerance to ISO 10816-1	i.O.
50 / 4	L1	386,4	26,66	14,92		
	L2	386,9	26,94	I [A] @ 400V		
	L3	387,4	26,8	25,6		

Miscellaneous:			
Motor protection:	☐ yes ☒ no	Isolator:	☐ yes ☒ no
	☐ TK ☐ PTC	Motor heater 230 V:	☐ yes ☒ no
Visual inspection Ok:	☒ yes ☐ no	Bearings Ok:	☒ yes ☐ no
Rotation direction:	☒ ok		

	set value:	actual value:	Testing according EN 60 ☒ yes ☐ no
Minimum Tip gap [mm]:	5,00	☒ ok	Protection earth conductor (PE): ☒ ok High voltage (HVAC): ☒ ok

Notice:

Signature tester / date:

Manuel Kaibel

PA-no.: 935348

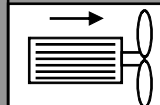
Fan type: AJ 1120-10/30°-4(K)

Motor brand: Brook Crompton

Temperature class:	☒ 40°C	☐ 200°C/2h	☐ 250°C/1h	☐ 250°C/2h	☐ 300°C/2h	☐ 400°C/2h	☐ Other:
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Motor data:	U [V]	f [Hz]	I [A]	P [OutputkW]	n [1/min]	IP	ISO	Cos φ:
	400/690	50	54,0/31,0	30,0	1470	55	H	0,86

Connection:	☒ Y	☒ D	☐ YY	☐	☒ single-/ ☐ two-speed	☐ 1~	☒ 3~
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Measured data:						
f [Hz] / number of poles	Phasen	U [V]	I [A]	P [Input kW]		
Form A / Motor first, then impeller					Unit vibrations in tolerance to ISO 10816-1	
50 / 4	L1	380,1	57,50	33,42		
	L2	380,9	57,27	I [A] @ 400V		
	L3	380,2	57,68	56,1		

Miscellaneous:					
Motor protection:	☐ yes	☐ no	Isolator: ☐ yes ☒ no		
	☐ TK	☒ PTC	Motor heater 230 V: ☐ yes ☒ no		
Visual inspection Ok:	☒ yes	☐ no	Bearings Ok: ☒ yes ☐ no		
Rotation direction:		☒ ok			

	set value:	actual value:	Testing according EN 60204-1: ☒ yes ☐ no
Minimum Tip gap [mm]:	6,50	☒ ok	Protection earth conductor (PE): ☒ ok High voltage (HVAC): ☒ ok

Notice:	
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27.07.12

Benjamin Reiser

Order no.: 0002289097

PA-no.: 935348

Fan type: AJ 1120-10/30°-4(K)

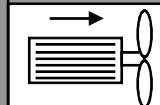
Fan-/Motor no.: JC 742737 / Vent 603

Motor brand: Brook Crompton

Temperature class:	☒ 40°C	☐ 200°C/2h	☐ 250°C/1h	☐ 250°C/2h	☐ 300°C/2h	☐ 400°C/2h	☐ Other:
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Motor data:	U [V]	f [Hz]	I [A]	P [OutputkW]	n [1/min]	IP	ISO	Cos φ:
	400/690	50	54,0/31,0	30,0	1470	55	H	0,86

Connection:	☒ Y	☒ D	☐ YY	☐	☒ single-/ ☐ two-speed	☐ 1~	☒ 3~
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Measured data:						
f [Hz] / number of poles	Phasen	U [V]	I [A]	P [Input kW]		
Form A / Motor first, then impeller					Unit vibrations in tolerance to ISO 10816-1	
50 / 4	L1	379,1	59,44	34,61		
	L2	379,2	60,16	I [A] @ 400V		
	L3	379,5	59,57	58,1		

Miscellaneous:					
Motor protection:	☐ yes	☐ no	Isolator: ☐ yes ☒ no		
	☐ TK	☒ PTC	Motor heater 230 V: ☐ yes ☒ no		
Visual inspection Ok:	☒ yes	☐ no	Bearings Ok: ☒ yes ☐ no		
Rotation direction:		☒ ok			

	set value:	actual value:	Testing according EN 60204-1: ☒ yes ☐ no
Minimum Tip gap [mm]:	6,50	☒ ok	Protection earth conductor (PE): ☒ ok High voltage (HVAC): ☒ ok

Notice:	
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Signature tester / date: 27.07.12

Benjamin Reiser

Order no.: 0002289097

PA-no.: 935348

Fan type: AJ 1120-10/30°-4(K)

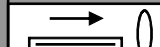
Fan-/Motor no.: JC 742678 / Vent 604

Motor brand: Brook Crompton

Temperature class:	☒ 40°C	☐ 200°C/2h	☐ 250°C/1h	☐ 250°C/2h	☐ 300°C/2h	☐ 400°C/2h	☐ Other:
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Motor data:	U [V]	f [Hz]	I [A]	P [OutputkW]	n [1/min]	IP	ISO	Cos φ:
	400/690	50	54,0/31,0	30,0	1470	55	H	0,86

Connection:	☒ Y	☒ D	☐ YY	☐	☒ single-/ ☐ two-speed	☐ 1~	☒ 3~
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Measured data:						
f [Hz] / number of poles	Phasen	U [V]	I [A]	P [Input kW]		
Form A / Motor first, then impeller					Unit vibrations in tolerance to ISO 10816-1	
50 / 4	L1	380,2	57,77	33,60		
	L2	379,7	58,42	I [A] @ 400V		
	L3	379,5	57,27	56,4		

Miscellaneous:					
Motor protection:	☐ yes	☐ no	Isolator: ☐ yes ☒ no		
	☐ TK	☒ PTC	Motor heater 230 V: ☐ yes ☒ no		
Visual inspection Ok:	☒ yes	☐ no	Bearings Ok: ☒ yes ☐ no		
Rotation direction:		☒ ok			

	set value:	actual value:	Testing according EN 60204-1: ☒ yes ☐ no
Minimum Tip gap [mm]:	6,50	☒ ok	Protection earth conductor (PE): ☒ ok High voltage (HVAC): ☒ ok

Notice:	
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Signature tester / date:

27.07.12

Benjamin Reiser

Order no.: 0002289097

PA-no.: 935348

Fan type: AJ 1120-10/30°-4(K)

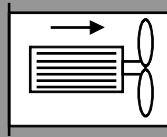
Fan-/Motor no.: JC 742734 / Vent 434

Motor brand: Brook Crompton

Temperature class:	☐ 40 °C	☒ 200 °C/2h	☐ 250 °C/1h	☐ 250 °C/2h	☐ 300 °C/2h	☐ 400 °C/2h	☐ Other:
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Motor data:	U [V]	f [Hz]	I [A]	P [OutputkW]	n [1/min]	IP	ISO	Cos φ:
	400/690	50	54,0/31,0	30,0	1470	55	H	0,86

Connection:	☒ Y	☒ D	☐ YY	☐	☒ single-/ ☐ two-speed	☐ 1~ ☒ 3~
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Measured data:						
f [Hz] / number of poles	Phasen	U [V]	I [A]	P [Input kW]		
Form A / Motor first, then impeller					Unit vibrations in tolerance to ISO 10816-1	i.O.
50 / 4	L1	380,6	58,18	33,56		
	L2	380,6	57,87			
	L3	380,3	57,7	56,3		

Miscellaneous:			
Motor protection:	☐ yes ☐ no	Isolator:	☐ yes ☒ no
	☐ TK ☒ PTC	Motor heater 230 V:	☐ yes ☒ no
Visual inspection Ok:	☒ yes ☐ no	Bearings Ok:	☒ yes ☐ no
Rotation direction:	☒ ok		

	set value:	actual value:	Testing according EN 60204-1: ☒ yes ☐ no
Minimum Tip gap [mm]:	6,50	☒ ok	Protection earth conductor (PE): ☒ ok
			High voltage (HVAC): ☒ ok

Notice:

Signature tester / date:

27.07.12

Benjamin Reiser

Order no.: 0002289097

PA-no.: 935348

Fan type: AJ 1120-10/30°-4(K)

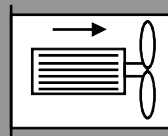
Fan-/Motor no.: JC 742733 / Vent 430

Motor brand: Brook Crompton

Temperature class:	☐ 40 °C	☒ 200 °C/2h	☐ 250 °C/1h	☐ 250 °C/2h	☐ 300 °C/2h	☐ 400 °C/2h	☐ Other:
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Motor data:	U [V]	f [Hz]	I [A]	P [OutputkW]	n [1/min]	IP	ISO	Cos φ:
	400/690	50	54,0/31,0	30,0	1470	55	H	0,86

Connection:	☒ Y	☒ D	☐ YY	☐	☒ single-/ ☐ two-speed	☐ 1~ ☒ 3~
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Measured data:						
f [Hz] / number of poles	Phasen	U [V]	I [A]	P [Input kW]		
Form A / Motor first, then impeller					Unit vibrations in tolerance to ISO 10816-1	
					i.O.	
50 / 4	L1	379,9	58,32	33,78		
	L2	380,4	57,92	I [A] @ 400V		
	L3	379,9	56,06	56,7		

Miscellaneous:				Isolator: ☐ yes ☒ no	
Motor protection: ☐ yes ☐ no		☐ TK ☒ PTC		Motor heater 230 V: ☐ yes ☒ no	
Visual inspection Ok: ☒ yes ☐ no		Rotation direction: ☒ ok		Bearings Ok: ☒ yes ☐ no	

	set value:	actual value:	Testing according EN 60204-1: ☒ yes ☐ no
Minimum Tip gap [mm]:	6,50	☒ ok	Protection earth conductor (PE): ☒ ok
			High voltage (HVAC): ☒ ok

Notice:

Signature tester / date:

27.07.12

Benjamin Reiser

Order no.: 0002289097

PA-no.: 935348

Fan type: AJ 1120-10/30°-4(K)

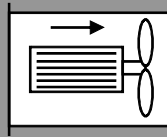
Fan-/Motor no.: JB 742595 / Vent 432

Motor brand: Brook Crompton

Temperature class:	☐ 40 °C	☒ 200 °C/2h	☐ 250 °C/1h	☐ 250 °C/2h	☐ 300 °C/2h	☐ 400 °C/2h	☐ Other:
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Motor data:	U [V]	f [Hz]	I [A]	P [OutputkW]	n [1/min]	IP	ISO	Cos φ:
	400/690	50	54,0/31,0	30,0	1470	55	H	0,86

Connection:	☒ Y	☒ D	☐ YY	☐	☒ single-/ ☐ two-speed	☐ 1~ ☒ 3~
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Measured data:						
f [Hz] / number of poles	Phasen	U [V]	I [A]	P [Input kW]		
Form A / Motor first, then impeller					Unit vibrations in tolerance to ISO 10816-1	i.O.
50 / 4	L1	385,9	57,36	33,73		
	L2	386,3	57,84	I [A] @ 400V		
	L3	386,4	57,5	56,6		

Miscellaneous:			
Motor protection:	☐ yes	☐ no	Isolator: ☐ yes ☒ no
	☐ TK	☒ PTC	Motor heater 230 V: ☐ yes ☒ no
Visual inspection Ok:	☒ yes	☐ no	Bearings Ok: ☒ yes ☐ no
Rotation direction:		☒ ok	

	set value:	actual value:	Testing according EN 60204-1: ☒ yes ☐ no
Minimum Tip gap [mm]:	6,50	☒ ok	Protection earth conductor (PE): ☒ ok
			High voltage (HVAC): ☒ ok

Notice:

Signature tester / date:

27.07.12

Benjamin Reiser

Order no.: 0002289097

PA-no.: 935348

Fan type: AJ 1120-10/30°-4(K)

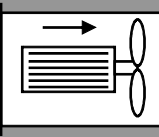
Fan-/Motor no.: JC 742677 / Vent 606

Motor brand: Brook Crompton

Temperature class:	☐ 40 °C	☒ 200 °C/2h	☐ 250 °C/1h	☐ 250 °C/2h	☐ 300 °C/2h	☐ 400 °C/2h	☐ Other:
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Motor data:	U [V]	f [Hz]	I [A]	P [OutputkW]	n [1/min]	IP	ISO	Cos φ:
	400/690	50	54,0/31,0	30,0	1470	55	H	0,86

Connection:	☒ Y	☒ D	☐ YY	☐	☒ single-/ ☐ two-speed	☐ 1~ ☒ 3~
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Measured data:						
f [Hz] / number of poles	Phasen	U [V]	I [A]	P [Input kW]		
Form A / Motor first, then impeller					Unit vibrations in tolerance to ISO 10816-1	i.O.
50 / 4	L1	385,9	58,73	34,57		
	L2	386	58,76	I [A] @ 400V		
	L3	385,7	58,43	58,0		

Miscellaneous:			
Motor protection:	☐ yes ☐ no	Isolator:	☐ yes ☒ no
	☐ TK ☒ PTC	Motor heater 230 V:	☐ yes ☒ no
Visual inspection Ok:	☒ yes ☐ no	Bearings Ok:	☒ yes ☐ no
Rotation direction:	☒ ok		

	set value:	actual value:	Testing according EN 60204-1: ☒ yes ☐ no
Minimum Tip gap [mm]:	6,50	☒ ok	Protection earth conductor (PE): ☒ ok
			High voltage (HVAC): ☒ ok

Notice:

Signature tester / date:

27.07.12

Benjamin Reiser

Order no.: 0002289097

PA-no.: 935348

Fan type: AJ 1120-10/30°-4(K)

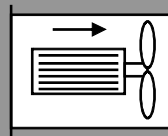
Fan-/Motor no.: JB 742596 / Vent 608

Motor brand: Brook Crompton

Temperature class:	☐ 40 °C	☒ 200 °C/2h	☐ 250 °C/1h	☐ 250 °C/2h	☐ 300 °C/2h	☐ 400 °C/2h	☐ Other:
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Motor data:	U [V]	f [Hz]	I [A]	P [OutputkW]	n [1/min]	IP	ISO	Cos φ:
	400/690	50	54,0/31,0	30,0	1470	55	H	0,86

Connection:	☒ Y	☒ D	☐ YY	☐	☒ single-/ ☐ two-speed	☐ 1~ ☒ 3~
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Measured data:						
f [Hz] / number of poles	Phasen	U [V]	I [A]	P [Input kW]		
Form A / Motor first, then impeller					Unit vibrations in tolerance to ISO 10816-1	
					i.O.	
50 / 4	L1	389,0	58,17	34,36		
	L2	388,5	58,87	I [A] @ 400V		
	L3	389,2	58,23	57,7		

Miscellaneous:			
Motor protection:	☐ yes ☐ no	Isolator:	☐ yes ☒ no
	☐ TK ☒ PTC	Motor heater 230 V:	☐ yes ☒ no
Visual inspection Ok:	☒ yes ☐ no	Bearings Ok:	☒ yes ☐ no
Rotation direction:	☒ ok		

	set value:	actual value:	Testing according EN 60204-1: ☒ yes ☐ no
Minimum Tip gap [mm]:	6,50	☒ ok	Protection earth conductor (PE): ☒ ok
			High voltage (HVAC): ☒ ok

Notice:

Signature tester / date:

27.07.12

Benjamin Reiser

Inspection Sheet

AP-0106-004


Order no.: 0002289097

PA-no.: 935348

Fan type: AJ 1120-10/30°-4(K)

Fan-/Motor no.: JC 742742 / Vent 602

Motor brand: Brook Crompton

Temperature class:	☐ 40 °C	☒ 200 °C/2h	☐ 250 °C/1h	☐ 250 °C/2h	☐ 300 °C/2h	☐ 400 °C/2h	☐ Other:
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Motor data:	U [V]	f [Hz]	I [A]	P [OutputkW]	n [1/min]	IP	ISO	Cos φ:
	400/690	50	54,0/31,0	30,0	1470	55	H	0,86

Connection:	☒ Y	☒ D	☐ YY	☐	☒ single-/ ☐ two-speed	☐ 1~ ☒ 3~
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Measured data:						
f [Hz] / number of poles	Phasen	U [V]	I [A]	P [Input kW]		
Form A / Motor first, then impeller					Unit vibrations in tolerance to ISO 10816-1	
50 / 4	L1	390,3	58,01	34,04		
	L2	389,8	57,65			
	L3	389,8	56,89			

Miscellaneous:			
Motor protection:	☐ yes ☐ no	Isolator:	☐ yes ☒ no
	☐ TK ☒ PTC	Motor heater 230 V:	☐ yes ☒ no
Visual inspection Ok:	☒ yes ☐ no	Bearings Ok:	☒ yes ☐ no
Rotation direction:		☒ ok	

	set value:	actual value:	Testing according EN 60204-1: ☒ yes ☐ no
Minimum Tip gap [mm]:	6,50	☒ ok	Protection earth conductor (PE): ☒ ok
			High voltage (HVAC): ☒ ok

Notice:

Signature tester / date:

27.07.12

Benjamin Reiser

Inspection Sheet

AP-0106-004


Order no.: 0002289097

PA-no.: 935349

Fan type: AJ 1120-10/30°-4(K)

Fan-/Motor no.: VENT 605-JC742741

Motor brand: Brook Crompton

Temperature class:	☐ 40 °C	☒ 200 °C/2h	☐ 250 °C/1h	☐ 250 °C/2h	☐ 300 °C/2h	☐ 400 °C/2h	☐ Other:
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Motor data:	U [V]	f [Hz]	I [A]	P [OutputkW]	n [1/min]	IP	ISO	Cos φ:
	400/690	50	54,0/31,0	30,0	1470	55	H	0,86

Connection:	☒ Y	☒ D	☐ YY	☐	☒ single-/ ☐ two-speed	☐ 1~ ☒ 3~
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Measured data:						
f [Hz] / number of poles	Phasen	U [V]	I [A]	P [Input kW]		
Form A / Motor first, then impeller					Unit vibrations in tolerance to ISO 10816-1	
50 / 4	L1	378,9	58,17	33,80		
	L2	378,7	58,95	I [A] @ 400V		
	L3	379	58,15	56,7		

Miscellaneous:			
Motor protection:	☐ yes ☐ no	Isolator:	☐ yes ☒ no
	☐ TK ☒ PTC	Motor heater 230 V:	☐ yes ☒ no
Visual inspection Ok:	☒ yes ☐ no	Bearings Ok:	☒ yes ☐ no
Rotation direction:		☒ ok	

	set value:	actual value:	Testing according EN 60204-1: ☒ yes ☐ no
Minimum Tip gap [mm]:	6,50	☒ ok	Protection earth conductor (PE): ☒ ok
			High voltage (HVAC): ☒ ok

Notice:

Signature tester / date:

07.08.12

Manuel Kaibel

Order no.: 0002289097

PA-no.: 935349

Fan type: AJ 1120-10/30°-4(K)

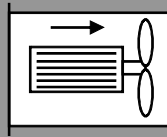
Fan-/Motor no.: VENT 438-JC742740

Motor brand: Brook Crompton

Temperature class:	☐ 40 °C	☒ 200 °C/2h	☐ 250 °C/1h	☐ 250 °C/2h	☐ 300 °C/2h	☐ 400 °C/2h	☐ Other:
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Motor data:	U [V]	f [Hz]	I [A]	P [OutputkW]	n [1/min]	IP	ISO	Cos φ:
	400/690	50	54,0/31,0	30,0	1470	55	H	0,86

Connection:	☒ Y	☒ D	☐ YY	☐	☒ single-/ ☐ two-speed	☐ 1~ ☒ 3~
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Measured data:						
f [Hz] / number of poles	Phasen	U [V]	I [A]	P [Input kW]		
Form A / Motor first, then impeller					Unit vibrations in tolerance to ISO 10816-1	i.O.
50 / 4	L1	380,2	56,73	33,25		
	L2	381	57,54	I [A] @ 400V		
	L3	381	57,48	55,8		

Miscellaneous:			
Motor protection:	☐ yes ☐ no	Isolator:	☐ yes ☒ no
	☐ TK ☒ PTC	Motor heater 230 V:	☐ yes ☒ no
Visual inspection Ok:	☒ yes ☐ no	Bearings Ok:	☒ yes ☐ no
Rotation direction:	☒ ok		

	set value:	actual value:	Testing according EN 60204-1: ☒ yes ☐ no
Minimum Tip gap [mm]:	6,50	☒ ok	Protection earth conductor (PE): ☒ ok
			High voltage (HVAC): ☒ ok

Notice:

Signature tester / date:

07.08.12

Manuel Kaibel

Order no.: 0002289097

PA-no.: 935349

Fan type: AJ 1120-10/30°-4(K)

Fan-/Motor no.: VENT 429-JC742735

Motor brand:

Brook Crompton

Temperature class:		40 °C	200 °C/2h	250 °C/1h	250 °C/2h	300 °C/2h	400 °C/2h	Other:	
Motor data:		U [V]	f [Hz]	I [A]	P [OutputkW]	n [1/min]	IP	ISO	Cos φ:
		400/690	50	54,0/31,0	30,0	1470	55	H	0,86
Connection:		☒ Y	☒ D	☐ YY	☐	☒ single-/ ☐ two-speed		☐ 1~ ☒ 3~	
Measured data:									
f [Hz] / number of poles		Phasen	U [V]	I [A]					
Form A / Motor first, then impeller					Unit vibrations in tolerance to ISO 10816-1		i.O.		
50 / 4		L1	386,7	58,46	34,69				
	L2	387,6	58,89	I [A] @ 400V					
	L3	386,9	59,45	58,2					

Miscellaneous:					
Motor protection:	☐ yes	☐ no	Isolator: ☐ yes ☒ no		
	☐ TK	☒ PTC	Motor heater 230 V: ☐ yes ☒ no		
Visual inspection Ok:	☒ yes	☐ no	Bearings Ok: ☒ yes ☐ no		
Rotation direction:		☒ ok			

	set value:	actual value:	Testing according EN 60204-1: ☒ yes ☐ no
Minimum Tip gap [mm]:	6,50	☒ ok	Protection earth conductor (PE): ☒ ok High voltage (HVAC): ☒ ok

Notice:	
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Signature tester / date:

07.08.12

Manuel Kaibel

Inspection Sheet

AP-0106-004


Order no.: 0002289097

PA-no.: 935349

Fan type: AJ 1120-10/30°-4(K)

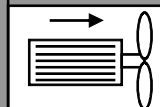
Fan-/Motor no.: VENT 609-JC 742739

Motor brand: Brook Crompton

Temperature class:	☐ 40 °C	☒ 200 °C/2h	☐ 250 °C/1h	☐ 250 °C/2h	☐ 300 °C/2h	☐ 400 °C/2h	☐ Other:
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Motor data:	U [V]	f [Hz]	I [A]	P [OutputkW]	n [1/min]	IP	ISO	Cos φ:
	400/690	50	54,0/31,0	30,0	1470	55	H	0,86

Connection:	☒ Y	☒ D	☐ YY	☐	☒ single-/ ☐ two-speed	☐ 1~ ☒ 3~
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Measured data:						
f [Hz] / number of poles	Phasen	U [V]	I [A]	P [Input kW]		
Form A / Motor first, then impeller					Unit vibrations in tolerance to ISO 10816-1	
					i.O.	
50 / 4	L1	387,4	54,05	31,80		
	L2	387,7	54,77	I [A] @ 400V		
	L3	388,3	54,3	53,4		

Miscellaneous:			
Motor protection:	☐ yes ☐ no	Isolator:	☐ yes ☒ no
	☐ TK ☒ PTC	Motor heater 230 V:	☐ yes ☒ no
Visual inspection Ok:	☒ yes ☐ no	Bearings Ok:	☒ yes ☐ no
Rotation direction:		☒ ok	

	set value:	actual value:	Testing according EN 60204-1: ☒ yes ☐ no
Minimum Tip gap [mm]:	6,50	☒ ok	Protection earth conductor (PE): ☒ ok
			High voltage (HVAC): ☒ ok

Notice:

Signature tester / date:

07.08.12

Benjamin Reiser

Inspection Sheet

AP-0106-004



Order no.: 0002289097

PA-no.: 935349

Fan type: AJ 1120-10/30°-4(K)

Fan-/Motor no.: VENT 437-JB 742599

Motor brand: Brook Crompton

Temperature class:	☐ 40 °C	☒ 200 °C/2h	☐ 250 °C/1h	☐ 250 °C/2h	☐ 300 °C/2h	☐ 400 °C/2h	☐ Other:
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Motor data:	U [V]	f [Hz]	I [A]	P [OutputkW]	n [1/min]	IP	ISO	Cos φ:
	400/690	50	54,0/31,0	30,0	1470	55	H	0,86

Connection:	☒ Y	☒ D	☐ YY	☐	☒ single-/ ☐ two-speed	☐ 1~ ☒ 3~
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Measured data:						
f [Hz] / number of poles	Phasen	U [V]	I [A]	P [Input kW]		
Form A / Motor first, then impeller					Unit vibrations in tolerance to ISO 10816-1	
50 / 4	L1	385,6	57,18	33,73		
	L2	386,1	57,59	I [A] @ 400V		
	L3	386,4	57,19	56,6		

Miscellaneous:			
Motor protection:	☐ yes ☐ no	Isolator:	☐ yes ☒ no
	☐ TK ☒ PTC	Motor heater 230 V:	☐ yes ☒ no
Visual inspection Ok:	☒ yes ☐ no	Bearings Ok:	☒ yes ☐ no
Rotation direction:		☒ ok	

	set value:	actual value:	Testing according EN 60204-1: ☒ yes ☐ no
Minimum Tip gap [mm]:	6,50	☒ ok	Protection earth conductor (PE): ☒ ok
			High voltage (HVAC): ☒ ok

Notice:

Signature tester / date:

07.08.12

Benjamin Reiser

Order no.: 0002289097

PA-no.: 935349

Fan type: AJ 1120-10/30°-4(K)

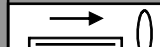
Fan-/Motor no.: VENT 607-JC 742680

Motor brand: Brook Crompton

Temperature class:	☒ 40°C	☐ 200°C/2h	☐ 250°C/1h	☐ 250°C/2h	☐ 300°C/2h	☐ 400°C/2h	☐ Other:
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Motor data:	U [V]	f [Hz]	I [A]	P [OutputkW]	n [1/min]	IP	ISO	Cos φ:
	400/690	50	54,0/31,0	30,0	1470	55	H	0,86

Connection:	☒ Y	☒ D	☐ YY	☐	☒ single-/ ☐ two-speed	☐ 1~	☒ 3~
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Measured data:						
f [Hz] / number of poles	Phasen	U [V]	I [A]	P [Input kW]		
Form A / Motor first, then impeller					Unit vibrations in tolerance to ISO 10816-1	
50 / 4	L1	390,0	58,55	34,55		
	L2	389,6	58,3	I [A] @ 400V		
	L3	389,3	58,28	58,0		

Miscellaneous:					
Motor protection:	☐ yes	☐ no	Isolator: ☐ yes ☒ no		
	☐ TK	☒ PTC	Motor heater 230 V: ☐ yes ☒ no		
Visual inspection Ok:	☒ yes	☐ no	Bearings Ok: ☒ yes ☐ no		
Rotation direction:		☒ ok			

	set value:	actual value:	Testing according EN 60204-1: ☒ yes ☐ no
Minimum Tip gap [mm]:	6,50	☒ ok	Protection earth conductor (PE): ☒ ok High voltage (HVAC): ☒ ok

Notice:	
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Signature tester / date:

07.08.12

Benjamin Reiser

Inspection Sheet

AP-0106-004


Order no.: 0002289097

PA-no.: 935349

Fan type: AJ 1120-10/30°-4(K)

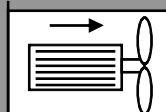
Fan-/Motor no.: VENT 435-JC 742681

Motor brand: Brook Crompton

Temperature class:	☐ 40 °C	☒ 200 °C/2h	☐ 250 °C/1h	☐ 250 °C/2h	☐ 300 °C/2h	☐ 400 °C/2h	☐ Other:
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Motor data:	U [V]	f [Hz]	I [A]	P [OutputkW]	n [1/min]	IP	ISO	Cos φ:
	400/690	50	54,0/31,0	30,0	1470	55	H	0,86

Connection:	☒ Y	☒ D	☐ YY	☐	☒ single-/ ☐ two-speed	☐ 1~ ☒ 3~
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Measured data:						
f [Hz] / number of poles	Phasen	U [V]	I [A]	P [Input kW]		
Form A / Motor first, then impeller					Unit vibrations in tolerance to ISO 10816-1	
					i.O.	
50 / 4	L1	386,6	56,80	33,72		
	L2	386,9	57,69	I [A] @ 400V		
	L3	387,3	57,2	56,6		

Miscellaneous:			
Motor protection:	☐ yes ☐ no	Isolator:	☐ yes ☒ no
	☐ TK ☒ PTC	Motor heater 230 V:	☐ yes ☒ no
Visual inspection Ok:	☒ yes ☐ no	Bearings Ok:	☒ yes ☐ no
Rotation direction:		☒ ok	

	set value:	actual value:	Testing according EN 60204-1: ☒ yes ☐ no
Minimum Tip gap [mm]:	6,50	☒ ok	Protection earth conductor (PE): ☒ ok
			High voltage (HVAC): ☒ ok

Notice:

Signature tester / date:

07.08.12

Benjamin Reiser

Inspection Sheet

AP-0106-004


Order no.: 0002289097

PA-no.: 935349

Fan type: AJ 1120-10/30°-4(K)

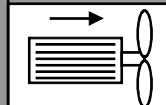
Fan-/Motor no.: VENT 433-JB742598

Motor brand: Brook Crompton

Temperature class:	☐ 40 °C	☒ 200 °C/2h	☐ 250 °C/1h	☐ 250 °C/2h	☐ 300 °C/2h	☐ 400 °C/2h	☐ Other:
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Motor data:	U [V]	f [Hz]	I [A]	P [OutputkW]	n [1/min]	IP	ISO	Cos φ:
	400/690	50	54,0/31,0	30,0	1470	55	H	0,86

Connection:	☒ Y	☒ D	☐ YY	☐	☒ single-/ ☐ two-speed	☐ 1~ ☒ 3~
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Measured data:						
f [Hz] / number of poles	Phasen	U [V]	I [A]	P [Input kW]		
Form A / Motor first, then impeller					Unit vibrations in tolerance to ISO 10816-1	
					i.O.	
50 / 4	L1	390,8	56,00	32,90		
	L2	390,5	56,16	I [A] @ 400V		
	L3	390,6	55,29	55,2		

Miscellaneous:			
Motor protection:	☐ yes	☐ no	Isolator: ☐ yes ☒ no
	☐ TK	☒ PTC	Motor heater 230 V: ☐ yes ☒ no
Visual inspection Ok:	☒ yes	☐ no	Bearings Ok: ☒ yes ☐ no
Rotation direction:		☒ ok	

	set value:	actual value:	Testing according EN 60204-1: ☒ yes ☐ no
Minimum Tip gap [mm]:	6,50	☒ ok	Protection earth conductor (PE): ☒ ok
			High voltage (HVAC): ☒ ok

Notice:

Signature tester / date: 07.08.12

Benjamin Reiser

Order no.: 0002289097

PA-no.: 935349

Fan type: AJ 1120-10/30°-4(K)

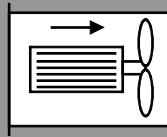
Fan-/Motor no.: VENT 431-JC742738

Motor brand: Brook Crompton

Temperature class:	☐ 40 °C	☒ 200 °C/2h	☐ 250 °C/1h	☐ 250 °C/2h	☐ 300 °C/2h	☐ 400 °C/2h	☐ Other:
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Motor data:	U [V]	f [Hz]	I [A]	P [OutputkW]	n [1/min]	IP	ISO	Cos φ:
	400/690	50	54,0/31,0	30,0	1470	55	H	0,86

Connection:	☒ Y	☒ D	☐ YY	☐	☒ single-/ ☐ two-speed	☐ 1~ ☒ 3~
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Measured data:						
f [Hz] / number of poles	Phasen	U [V]	I [A]	P [Input kW]		
Form A / Motor first, then impeller					Unit vibrations in tolerance to ISO 10816-1	
50 / 4	L1	386,3	58,23	34,35		
	L2	387	58,74	I [A] @ 400V		
	L3	386,5	58,78	57,7		

Miscellaneous:			
Motor protection:	☐ yes ☐ no	Isolator:	☐ yes ☒ no
	☐ TK ☒ PTC	Motor heater 230 V:	☐ yes ☒ no
Visual inspection Ok:	☒ yes ☐ no	Bearings Ok:	☒ yes ☐ no
Rotation direction:		☒ ok	

	set value:	actual value:	Testing according EN 60204-1: ☒ yes ☐ no
Minimum Tip gap [mm]:	6,50	☒ ok	Protection earth conductor (PE): ☒ ok
			High voltage (HVAC): ☒ ok

Notice:

Signature tester / date:

07.08.12

Benjamin Reiser

Order no.: 0002289097

PA-no.: 935349

Fan type: AJ 1120-10/30°-4(K)

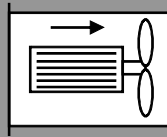
Fan-/Motor no.: VENT 436-JC742679

Motor brand: Brook Crompton

Temperature class:	☐ 40 °C	☒ 200 °C/2h	☐ 250 °C/1h	☐ 250 °C/2h	☐ 300 °C/2h	☐ 400 °C/2h	☐ Other:
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Motor data:	U [V]	f [Hz]	I [A]	P [OutputkW]	n [1/min]	IP	ISO	Cos φ:
	400/690	50	54,0/31,0	30,0	1470	55	H	0,86

Connection:	☒ Y	☒ D	☐ YY	☐	☒ single-/ ☐ two-speed	☐ 1~ ☒ 3~
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Measured data:						
f [Hz] / number of poles	Phasen	U [V]	I [A]	P [Input kW]		
Form A / Motor first, then impeller					Unit vibrations in tolerance to ISO 10816-1	i.O.
50 / 4	L1	387,1	55,10	32,12		
	L2	387	55	I [A] @ 400V		
	L3	386,7	54,57	53,9		

Miscellaneous:			
Motor protection:	☐ yes ☐ no	Isolator:	☐ yes ☒ no
	☐ TK ☒ PTC	Motor heater 230 V:	☐ yes ☒ no
Visual inspection Ok:	☒ yes ☐ no	Bearings Ok:	☒ yes ☐ no
Rotation direction:	☒ ok		

	set value:	actual value:	Testing according EN 60204-1: ☒ yes ☐ no
Minimum Tip gap [mm]:	6,50	☒ ok	Protection earth conductor (PE): ☒ ok
			High voltage (HVAC): ☒ ok

Notice:

Signature tester / date:

07.08.12

Benjamin Reiser

Order no.: 0002289097

PA-no.: 937011

Fan type: AJ 1120-10/35°-4(K)

Fan-/Motor no.:

IL 702766 / Vent 427

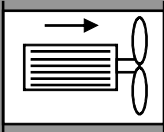
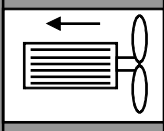
Motor brand:

Brook Crompton

Temperature class:	☒ 40°C	☐ 200°C/2h	☐ 250°C/1h	☐ 250°C/2h	☐ 300°C/2h	☐ 400°C/2h	☐ Other:
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Motor data:	U [V]	f [Hz]	I [A]	P [OutputkW]	n [1/min]	IP	ISO	Cos φ:
	400/690	50	54,0/31,0	30,0	1470	55	H	0,86

Connection:	☒ Y	☒ D	☐ YY	☐	☒ single-/ ☐ two-speed	☐ 1~	☒ 3~
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Measured data:						
f [Hz] / number of poles	Phasen	U [V]	I [A]	P [Input kW]		
Form A / Motor first, then impeller					Unit vibrations in tolerance to ISO 10816-1	i.O.
50 / 4	L1	393,4	50,80	29,67		
	L2	393,7	50,34	I [A] @ 400V 49,8		
	L3	393,4	50,47			
Form B / Impeller first, then motor					Unit vibrations in tolerance to ISO 10816-1	i.O.
50 / 4	L1	393,8	50,19	29,17		
	L2	393,9	50,31	I [A] @ 400V 49,0		
	L3	393,3	49,28			

Miscellaneous:					
Motor protection:	☐ yes	☒ no	Isolator: ☐ yes ☒ no		
	☐ TK	☐ PTC	Motor heater 230 V: ☐ yes ☒ no		
Visual inspection Ok:	☒ yes	☐ no	Bearings Ok: ☒ yes ☐ no		
Rotation direction:		☒ ok			

	set value:	actual value:	Testing according EN 60 ☒ yes ☐ no
Minimum Tip gap [mm]:	6,50	☒ ok	Protection earth conductor (PE): ☒ ok High voltage (HVAC): ☒ ok

Notice:

Signature tester / date:

27.07.2012

Benjamin Reiser

Inspection Sheet

AP-0106-004



Order no.: 0002289097

PA-no.: 937235

Fan type: AJ 1120-10/35 °-4(K)

Fan-/Motor no.: VENT428-IL702765

Motor brand: Brook Crompton

Temperature class:	☐ 40 °C	☐ 200 °C/2h	☐ 250 °C/1h	☐ 250 °C/2h	☐ 300 °C/2h	☐ 400 °C/2h	☐ Other:
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Motor data:	U [V]	f [Hz]	I [A]	P [OutputkW]	n [1/min]	IP	ISO	Cos φ:
	400/690	50	54,0/31,0	30,0	1470	55	H	0,86

Connection:	☒ Y	☒ D	☐ YY	☐	☒ single-/ ☐ two-speed	☐ 1~ ☒ 3~
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Measured data:						
f [Hz] / number of poles	Phasen	U [V]	I [A]	P [Input kW]		
Form A / Motor first, then impeller					Unit vibrations in tolerance to ISO 10816-1	i.O.
50 / 4	L1	393,5	51,22	29,83		
	L2	393,5	50,56	I [A] @ 400V		
	L3	393,2	50,75	50,1		
Form B / Impeller first, then motor					Unit vibrations in tolerance to ISO 10816-1	i.O.
50 / 4	L1	393,9	52,03	30,36		
	L2	394,6	51,48	I [A] @ 400V		
	L3	394,2	51,44	51,0		

Miscellaneous:			
Motor protection:	☐ yes ☒ no	Isolator:	☐ yes ☒ no
	☐ TK ☐ PTC	Motor heater 230 V:	☐ yes ☒ no
Visual inspection Ok:	☒ yes ☐ no	Bearings Ok:	☒ yes ☐ no
Rotation direction:	☒ ok		

	set value:	actual value:	Testing according EN 60 ☒ yes ☐ no
Minimum Tip gap [mm]:	6,50	☒ ok	Protection earth conductor (PE): ☒ ok High voltage (HVAC): ☒ ok

Notice:

Signature tester / date:

27.07.2012

Manuel Kaibel

Inspection Sheet

AP-0106-004


Order no.: 0002289097

PA-no.: 944035

Fan type: AJ 560-9/40 °-2(K)

Fan-/Motor no.: VENT862-JD744270

Motor brand: Brook Crompton

Temperature class:	☐ 40°C	☐ 200°C/2h	☐ 250°C/1h	☒ 250°C/2h	☐ 300°C/2h	☐ 400°C/2h	☐ Other:	55°C
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Motor data:	U [V]	f [Hz]	I [A]	P [OutputkW]	n [1/min]	IP	ISO	Cos φ:
	400	50	20,1	11,0	2940	55	H	0,89

Connection:	☐ Y	☒ D	☐ YY	☐	☒ single-/ ☐ two-speed	☐ 1~ ☒ 3~
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Measured data:						
f [Hz] / number of poles	Phasen	U [V]	I [A]	P [Input kW]		
Form A / Motor first, then impeller					Unit vibrations in tolerance to ISO 10816-1	i.O.
50 / 2	L1	396,9	17,68	10,32		
	L2	397	17,59	I [A] @ 400V		
	L3	396,8	17,49	16,7		
Form B / Impeller first, then motor					Unit vibrations in tolerance to ISO 10816-1	i.O.
50 / 2	L1	395,1	20,10	12,13		
	L2	395,8	20,27	I [A] @ 400V		
	L3	396	20,17	19,7		

Miscellaneous:			
Motor protection:	☐ yes ☒ no	Isolator:	☐ yes ☒ no
	☐ TK ☐ PTC	Motor heater 230 V:	☐ yes ☒ no
Visual inspection Ok:	☒ yes ☐ no	Bearings Ok:	☒ yes ☐ no
Rotation direction:	☒ ok		

	set value:	actual value:	Testing according EN 60204-1: ☒ yes ☐ no
Minimum Tip gap [mm]:	4,00	☒ ok	Protection earth conductor (PE): ☒ ok
			High voltage (HVAC): ☒ ok

Notice:

Signature tester / date:

27.07.12

Manuel Kaibel

Order no.: 0002289097

PA-no.: 944036

Fan type: AJ 560-9/40°-2(K)

Fan-/Motor no.: VENT861-JD744269

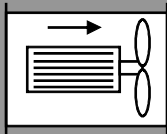
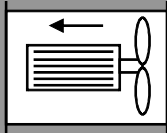
Motor brand:

Brook Crompton

Temperature class:	☐ 40°C	☐ 200°C/2h	☐ 250°C/1h	☒ 250°C/2h	☐ 300°C/2h	☐ 400°C/2h	☐ Other: 55°C
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Motor data:	U [V]	f [Hz]	I [A]	P [OutputkW]	n [1/min]	IP	ISO	Cos φ :
	400	50	20,1	11,0	2940	55	H	0,89

Connection:	☐ Y	☒ D	☐ YY	☐	☒ single-/ ☐ two-speed	☐ 1~	☒ 3~
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Measured data:						
f [Hz] / number of poles	Phasen	U [V]	I [A]	P [Input kW]		
Form A / Motor first, then impeller					Unit vibrations in tolerance to ISO 10816-1	i.O.
50 / 2	L1	397,1	17,50	10,19		
	L2	396,9	17,44	I [A] @ 400V		
	L3	397	17,28	16,5		
Form B / Impeller first, then motor					Unit vibrations in tolerance to ISO 10816-1	i.O.
50 / 2	L1	395,7	19,25	11,56		
	L2	396,3	19,35	I [A] @ 400V		
	L3	396	19,54	18,7		

Miscellaneous:			
Motor protection:	☐ yes	☒ no	Isolator: ☐ yes ☒ no
	☐ TK	☐ PTC	Motor heater 230 V: ☐ yes ☒ no
Visual inspection Ok:	☒ yes	☐ no	Bearings Ok: ☒ yes ☐ no
Rotation direction:	☒ ok		

	set value:	actual value:	Testing according EN 60204-1: ☒ yes ☐ no
Minimum Tip gap [mm]:	4,00	☒ ok	Protection earth conductor (PE): ☒ ok High voltage (HVAC): ☒ ok

Notice:	
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Signature tester / date:

27.07.12

Manuel Kaibel

Der Hersteller:
The Manufacturer

Systemair GmbH
Seehöfer Str. 45
D-97944 Windischbuch
Tel.: +49-79 30 / 92 72-0

erklärt hiermit, dass folgende Produkte:
certified herewith that the following products:

Produktbezeichnung:
product designation

Axialventilatoren
Axial fans

Typenbezeichnung:
type designation

AXC; AXC (K); AXC (B); AXC (F); AXC-G; AXC (B)-G; AXC-P; AXC (B)-P
AXR; AXR (K); AXR (B); AXR (F); AXCBF; HA; HA(B); HA(F); HA(F)-G; HA(F)-P; HABV;
AJ; AJ (K); AJ (B); AJ (F); AJ-TR; AR; AW

Baujahr:
year of manufacture

2012

allen einschlägigen Bestimmungen der Richtlinie Maschinen RL 2006/42/EG entspricht.
ensure all relevant regulations of machinery directive electrical equipment RL 2006/42/EG.

Die Maschine entspricht weiterhin allen Bestimmungen der Richtlinien Elektrische Betriebsmittel (2006/95/EG) und Elektromagnetische Verträglichkeit (EMV) (2004/108/EG).
The products ensure furthermore all regulations of directives electrical equipment and electromagnetic compatibility (EMC) (2004/108/EG).

Folgende harmonisierte Normen wurden angewandt:
The following standards are used:

EN ISO 12100-1:2003	Sicherheit von Maschinen - Grundbegriffe, allgemeine Gestaltungsleitsätze, Teil 1: Grundsätzliche Terminologie, Methodik <i>Safety of machinery - Basic concepts, general principles for design - Part 1: Basic terminology, methodology</i>
EN ISO 12100-2:2003	Sicherheit von Maschinen - Grundbegriffe, allgemeine Gestaltungsleitsätze, Teil 2: Technische Leitsätze und Spezifikationen <i>Safety of machinery - Basic concepts, general principles for design - Part 2: Technical principles</i>
EN ISO 13857:2008	Sicherheit von Maschinen - Sicherheitsabstände gegen das Erreichen von Gefahrstellen mit den oberen und unteren Gliedmaßen <i>Safety of machinery - Safety distances to prevent hazard zones being reached by upper and lower limbs</i>
EN 60204-1:2006	Sicherheit von Maschinen - Elektrische Ausrüstungen von Maschinen, Teil 1: Allgemeine Anforderungen <i>Safety of machinery - Electrical equipment of machines - Part 1: General requirements</i>
DIN EN 61000-6-1:2007	Elektromagnetische Verträglichkeit (EMV) - Teil 6-1: Fachgrundnormen - Störfestigkeit für Wohnbereich, Geschäfts- und Gewerbebereiche sowie Kleinbetriebe <i>Electromagnetic compatibility (EMC) - Part 6-1: Generic standards - Immunity for residential, commercial and light-industrial environments</i>
DIN EN 61000-6-2:2005	Elektromagnetische Verträglichkeit (EMV) - Teil 6-2: Fachgrundnormen - Störfestigkeit für Industriebereiche <i>Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity for industrial environments</i>

Boxberg,

30.12.2011
Datum/date


ppa. Harald Rudelgass, Technischer Leiter
ppa. Harald Rudelgass, Technical director



Management Service

CERTIFICATE

The Certification Body
of TÜV SÜD Management Service GmbH
certifies that



Systemair GmbH
Seehöfer Str. 45, D-97944 Boxberg
Pankstraße 8-10, D-13127 Berlin

has established and applies
a Quality Management System for

**Development, planning, production and sales of
air handling and ventilation systems**

An audit was performed, Report No. **70722819**
Proof has been furnished that the requirements
according to

ISO 9001:2008

are fulfilled. The certificate is valid until **2015-09-19**
Certificate Registration No. **12 100 31405 TMS**

M. Wegner



Munich, 2012-09-20

QMS-TGA-ZM-07-92