



Inspection Report N°: 4083

Date of issuance:

20.10.2016

Initial

Interim

Final

Rev. n°:

Reason of revision:

Inspection requested by: AIRONN HAVALANDIRMA VE KLİMA SİSTEMLERİ SAN. DIŞ TİC LTD ŞTİ

BV Inspection performed as Recognized Authority: No Yes (....specify what recognition...)

P/o nr: IDD.TR.2488737.A41
(client to BV)

P/o nr: N/A
(client to Manufacturer)

Inspection performed on: 20.10.2016

Location: Kullar-Kocaeli/TURKEY

Previous Inspection: None

Next Inspection: On demand

MATERIAL / SUPPLY / SUBJECT OF INSPECTION

ITEM / TAG Nr

QTY

3rd Party Inspection of Actuated Cabinet Roof Type Axial Smoke Exhaust Fan

AIR-A-U-1250

1

REFERENCE DOCUMENTS: See continuation sheet for additional documents: Yes No

Title	Reference n°	Rev.	Approved by	Date
-	-	-	-	-

INSPECTION RESULT

Satisfactory Unsatisfactory: (Non Conformities Raised)

BV Inspector: Ersin BASMACI

BV Coordinator: Ergin Dindar

BV Office: İstanbul

Attachments:
 Yes No

Distribution: CLIENT MANUFACTURER BV OTHER (specify)

Stage of inspection :

Before manufacturing

During manufacturing

Final

Packing

Type of inspection :

Pre-inspection meeting

Document and QC record review

Visual examination, checks

Witnessing tests

Manufacturing progress status

Vendor assessment

Final inspection

Packing

Stamping :

No



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Results of inspection :

Satisfactory Unsatisfactory

Non Conformities Reports (NCR):

o NCR's issued during reported period : None

o List of outstanding NCR's : None

Main Conclusions & Remarks: (for details see continuation sheet)

Expected visit has been carried out at AIRONN HAVALANDIRMA VE KLİMA SİSTEMLERİ SAN. DIŞ TİC LTD ŞTİ on 20th of October 2016 for 3rd Party Inspections of Actuated Cabinet Roof Type Axial Smoke Exhaust Fan. During our surveillance visit, BV have carried out witnessing snow load, wind load test, open-close test and visual controls of Cabinet Roof Type Axial Smoke Exhaust Fan.

Details are given in this report.

Next visit scheduled: On demand

INSPECTION DETAILS:

ATTENDEES : See continuation sheet for additional documents: Yes No

Name	Company	Title (*)	Note
Ersin BASMACI	Bureau Veritas	Enspektör	-
Efe ÜNAL	Aironn	Project Manager	-

MEASURING EQUIPMENT USED: See continuation sheet for additional documents: Yes No

Equipment Type	Equipment Identity n°	Last Calibration date	Expiry date
Scales	-	17.10.2016	17.10.2017
Digital protractor	-	17.10.2016	17.10.2017

LIST OF NON CONFORMITIES ISSUED:


NC identification n°	Description of the Anomaly
N/A	

LIST OF NON CONFORMITIES CLOSED:

NC id number	Ref report n°	Issued on	Description
N/A			

LIST OF ATTACHEMENTS

Type of document	Identification number	Description
N/A		

Industry & Facilities Division 3° Party Shop Inspection Services			
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Description of the inspections carried out :

1. Manufacturing Progress Status (Quantities)

1 piece Type AIR-A-U-1250 Actuated Cabinet Roof Type Axial Smoke Exhaust Fan manufacturing is completed.

2. Details of inspection activities carried out with respect to scope of work (Visual examination, witnessing NDT, dimensional checks, material identification...)

Further to request from AIRONN HAVALANDIRMA VE KLİMA SİSTEMLERİ SAN. DIŞ TİC LTD ŞTİ the undersigned resident surveyor of Bureau Veritas acting within the General Terms and conditions of Bureau Veritas which governs such intervention, did attend the premises of AIRONN HAVALANDIRMA VE KLİMA SİSTEMLERİ SAN. DIŞ TİC LTD ŞTİ Kullar-Kocaeli/Turkey 20th of October 2016. The findings are as follows:

The Actuated Cabinet Roof Type Axial Smoke Exhaust Fan was installed to operate at the critical operation conditions against an applied wind load, snow load and open-close test.

Snow load test ,wind load test,open-close test and visual control was carried out together for Type AIR-A-U-1250 Actuated Cabinet Roof Type Axial Smoke Exhaust Fan at the same time.

And test steps are detailed here below;

Snow load test according to EN 12101-3/SL 1000 (102 kg) Chapter 6.5 and Wind load (60kg) test according to EN 12101-3 Chapter 6.4 were carried out together at the same time under BV witnessing with 162 kg (1590N) loaded on the Actuated Cabinet Roof Type Axial Smoke Exhaust Fan.

Bags were containing 5 kg of solid particles. The bags were uniformly distributed over the external surface of Actuated Cabinet Roof Type Axial Smoke Exhaust Fan.

162 kg (1590N) loaded on the Actuated Cabinet Roof Type Axial Smoke Exhaust Fan and waited for 10 minutes and removed the load.

After that, the damper tested 1 time with unloaded and 3 time loaded with 162 kg.

During test, damper position was reached at fire operating position less than 30 second for each time.



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It was not observed any deformation on the Actuated Cabinet Roof Type Axial Smoke Exhaust Fan after test.

Damper was set automatically to open 5000 times and to close 5000 times.

Damper has been done totally 10.000 opening and closing position and it was not observed any deformation on the Actuated Cabinet Roof Type Axial Smoke Exhaust Fan after test.

Results were found satisfactory.

3. Surveillance with reference to ITP (Each activity elaborated in detail)

N/A

Results of Inspection (*incl. calibration status of equipment / instruments used for the inspection / testing*)

Results were found satisfactory It was not observed any deformation on the Actuated Cabinet Roof Type Axial Smoke Exhaust Fan after Combination of wind load and snow load test and open and close test.

4. Problems pending (Areas of Concern, punch list...)

None

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Digital Pictures (with Legend)



Description: General view of Actuated Cabinet Roof Type Axial Smoke Exhaust Fan



Description: General view of Actuated Cabinet Roof Type Axial Smoke Exhaust Fan



Description: General view of Actuated Cabinet Roof Type Axial Smoke Exhaust Fan



Description: General view of Actuated Cabinet Roof Type Axial Smoke Exhaust Fan



Description: General view of Actuated Cabinet Roof Type Axial Smoke Exhaust Fan



Description: Identification Plate of Actuated Cabinet Roof Type Axial Smoke Exhaust Fan

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Description: Weighing for 162 kg(102kg+60kg) . Bags were containing 5 kg of solid particles



Description: Weighing for 102 kg



Description: Weighing for 162 kg(102kg+60kg).Bags were containing 5 kg of solid particles



Description: Weighing for 60 kg



Description: The bags were uniformly distributed over the external surface of Cabinet Roof Type Axial Smoke Exhaust Fan.
Combination of wind load and snow load test with 162 kg during 10 minutes.



Description: Damper tested 1 time with unloaded. Damper position was reached at fire operating position less than 30 second after 10 minutes.

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Description: Damper tested 3 times with loaded 162 kg. Damper position was reached at fire operating position less than 30 second each time after combination of wind load and snow load test.



Description: Damper position was reached at fire operating position at first time less than 30 second each time after combination of wind load and snow load test.



Description: Damper position was reached at fire operating position at second time less than 30 second each time after combination of wind load and snow load test



Description: Damper position was reached at fire operating position at third time less than 30 second each time after combination of wind load and snow load test.



Description: Damper was set to open automatically at 5000 time.



Description: Damper was set to open automatically at 5000 time.

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Description: Counter at the beginning of the open-close test



Description: Counter at the end of the open-close test



Description: It was not observed any deformation on the Cabinet Roof Type Axial Smoke Exhaust Fan After Combination of Snow load test and Wind load test and open-close test



Description: It was not observed any deformation on the Cabinet Roof Type Axial Smoke Exhaust Fan After Combination of Snow load test and Wind load test and open-close test



Description: Calibration label of Digital protractor



Description: Calibration label of Scales

Industry & Facilities Division
3° Party Shop Inspection Services



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Punch List Items

None

Industry & Facilities Division





3° Party Shop Inspection Services



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<i>BV Client: AIRONN HAVALANDIRMA VE KLİMA SİSTEMELRİ SAN. DIŞ TİC LTD ŞTİ</i>	<i>Manufacturer / AIRONN HAVALANDIRMA VE KLİMA SİSTEMELRİ SAN. DIŞ TİC LTD ŞTİ</i>	

END OF REPORT

Inspected by: Name: Ersin BASMACI Signature:  	Checked by: Name: Ergin Dindar Signature:  
Inspection Office: BV İSTANBUL	Supervision during performance <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes

This template is intended exclusively when BV is acting as 3° party inspection body. The use of present template is forbidden in the frame of 2° party services where Client specification and templates must be used.