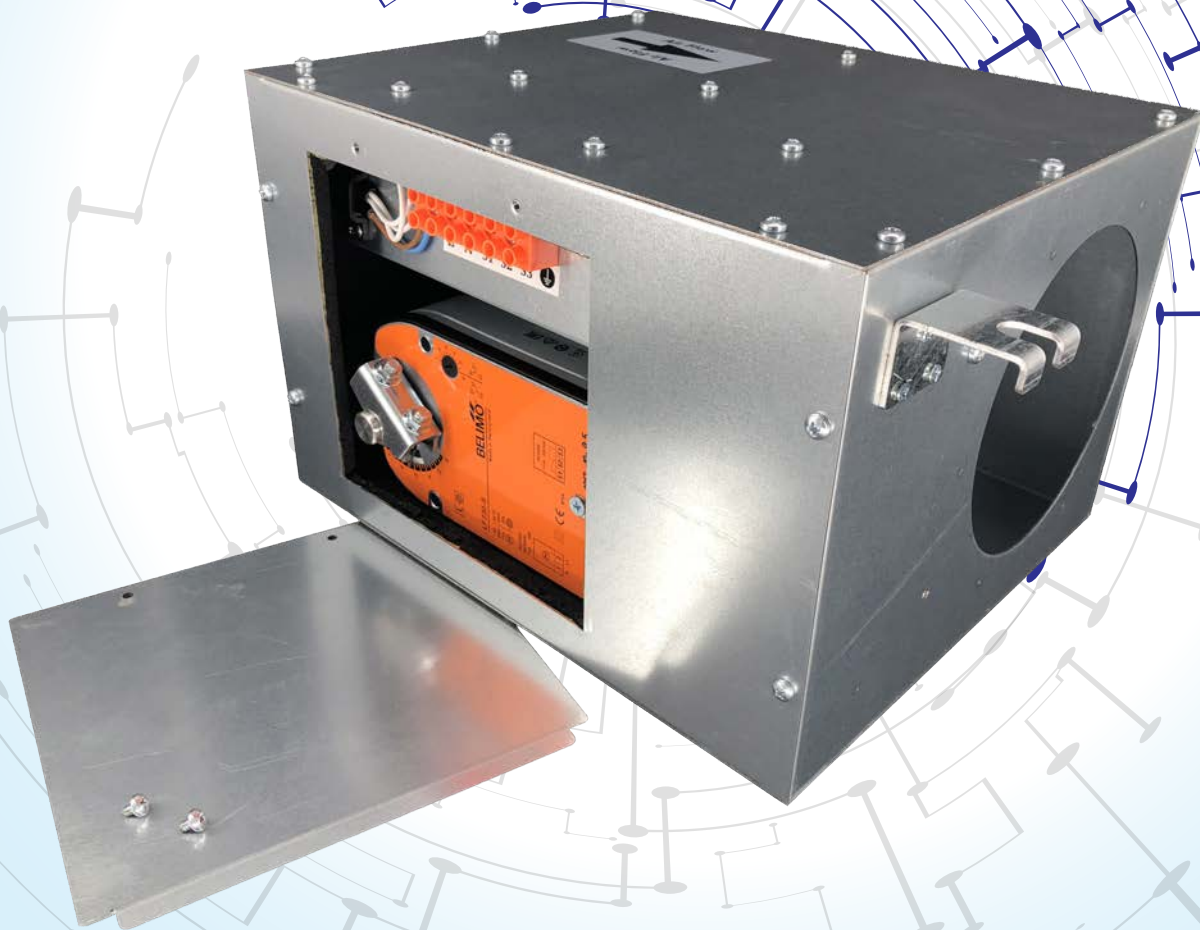


# COMET'S



AIR DAMPER  
ND-SE-260

# INTRODUCTION

DAMPER blade automatically closes air duct by using a mechanical fail-safe actuator. When power is ON, damper blade automatically opens; when power is OFF, the blade spring returns to the closed position.

## Standard Configuration:

Belimo, Model: LF230-S

(Can be equipped with a variety of electric actuators.)

MECHANICAL fail-safe actuator installed in the galvanized steel shell reduces operating noise and is suitable for installation in all kinds of ventilation systems, satisfying the need of a remarkably quiet environment.



RECTANGULAR shell Design, easy to install and suitable for all kinds of scenarios



ASSEMBLED housing, easy to remove and assemble for easy inspection and maintenance

## HVAC DAMPER

DAMPERS blade use double-tube aluminum valve, inside SS304 optical axis push rod design, each aluminum valve is produced by CNC technology and electroplating oxidation treatment to improve the hardness and for a better sealing. Ultra low-leakage prevents foul air, hot air or cold air from flowing back through the duct

DAMPERS shutters in ducts of an air ventilation system. Closing the duct in points of separating constructions prevents hot air, cold air or foul air from flowing back through the duct.

# DESCRIPTION

DOUBLE-TUBE aluminum  
valve inside design

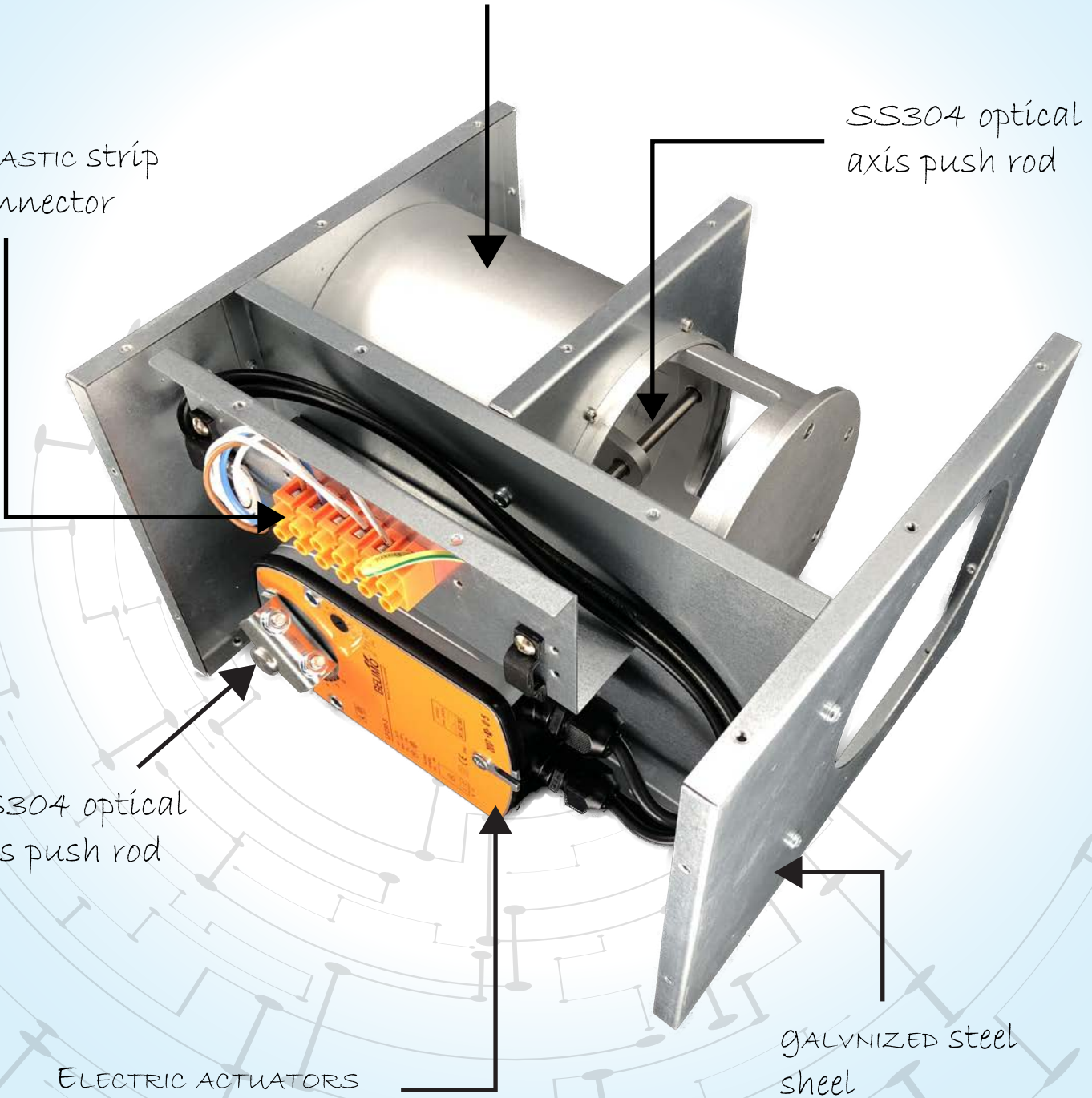
SS304 optical  
axis push rod

PLASTIC strip  
connector

SS304 optical  
axis push rod

ELECTRIC ACTUATORS  
(Belimo, Model: LF230-S)

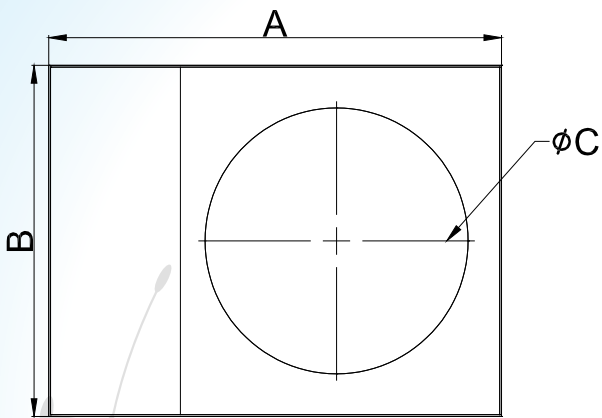
GALVANIZED steel  
sheet



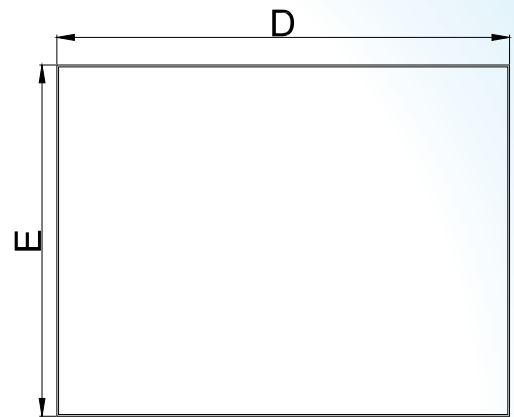
# DIMENSIONS

## DIMENSIONS OF SINGLE CIRCLE VERSIONS:

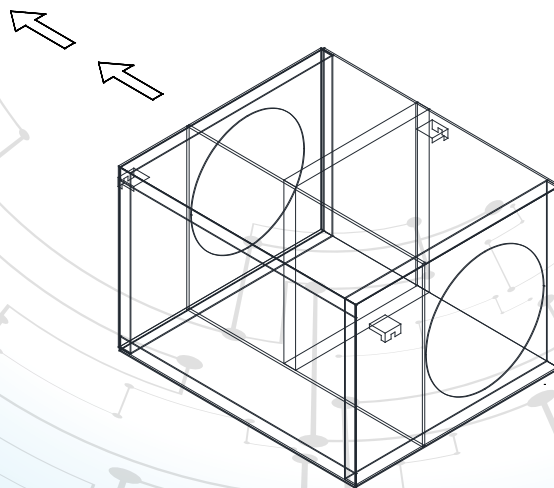
- FRONT VIEW



- SIDE VIEW



- 3D VIEW



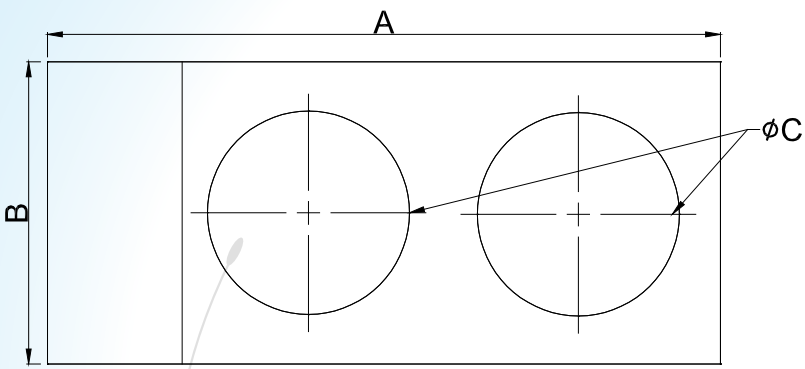
MODEL	A	B	φC	D	E
NED-SE-260	260	200	135	300	200

\* All the product details and photos are for reference only and subject to change without prior notice.

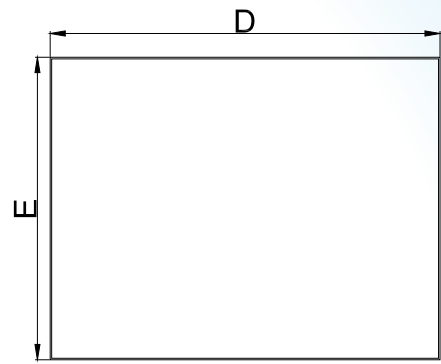
# DIMENSIONS

## DIMENSIONS OF DOUBLE CIRCLE VERSIONS:

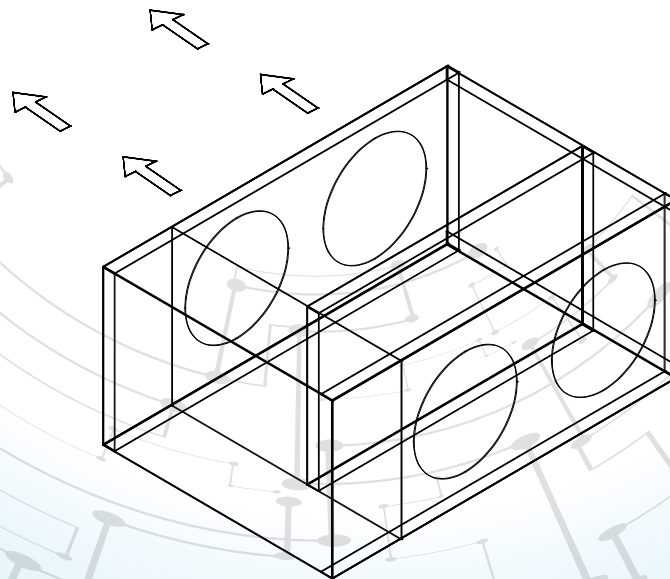
- FRONT VIEW



- SIDE VIEW



- 3D VIEW



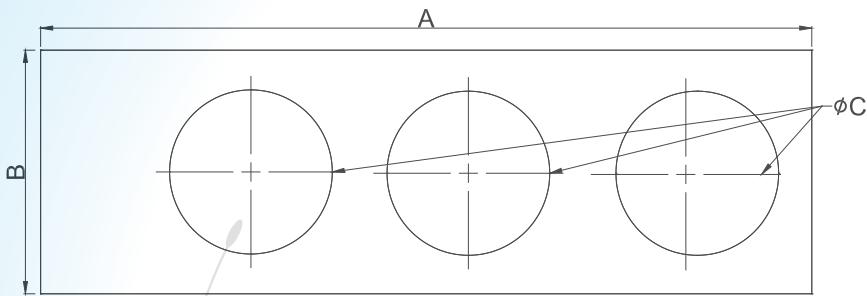
MODEL	A	B	$\phi C$	D	E
NED-DE-450	450	200	135	300	200

\* All the product details and photos are for reference only and subject to change without prior notice.

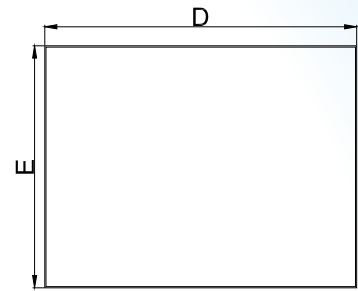
# DIMENSIONS

## DIMENSIONS OF TRIPLE CIRCLE VERSIONS:

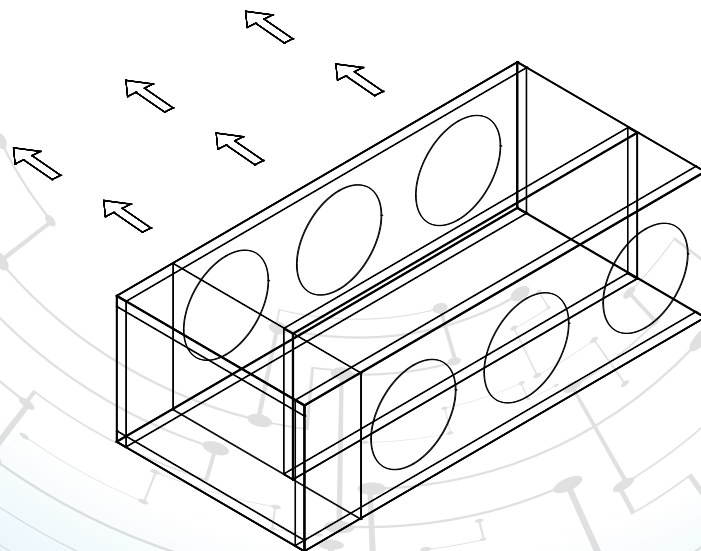
- FRONT VIEW



- SIDE VIEW



- 3D VIEW



MODEL	A	B	$\phi C$	D	E
NED-TE-640	640	200	135	300	200

\* All the product details and photos are for reference only and subject to change without prior notice.

# GENERAL DETAIL

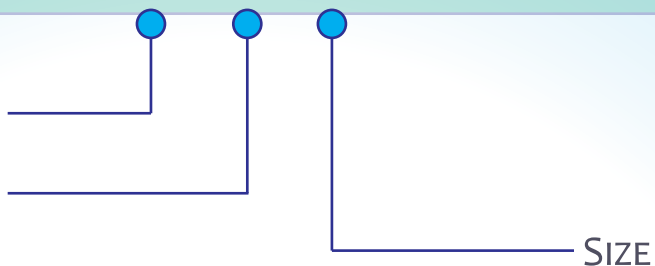
• NOMENCLATURE EXAMPLE

ND-SE-260

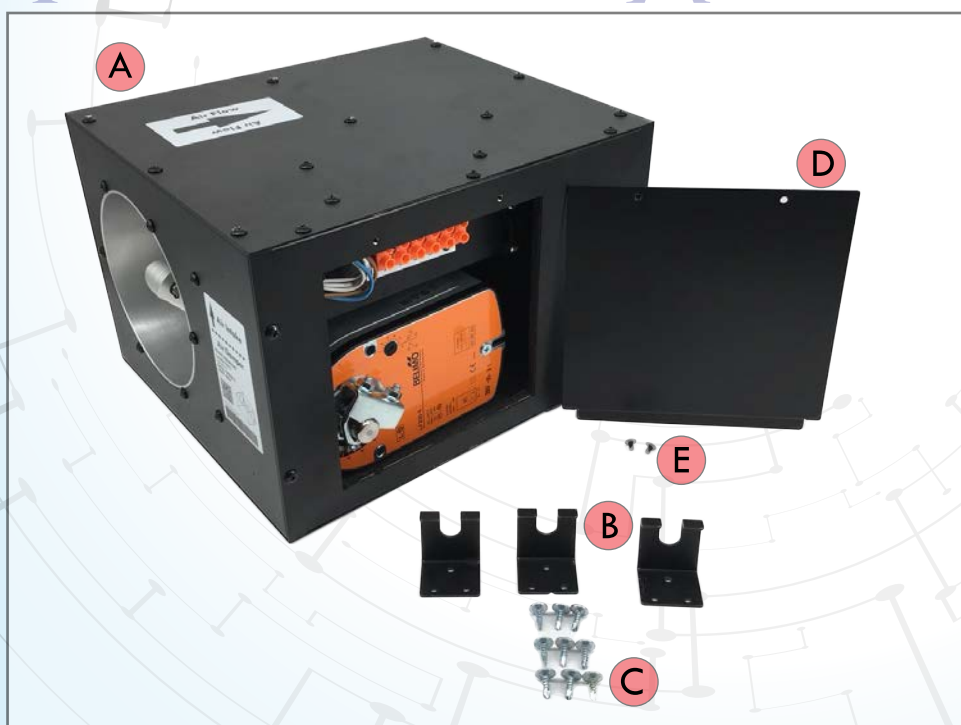
NORMAL DAMPER

STANDARD TYPE:

- SINGLE ELECTRICAL TYPE
- DOUBLE ELECTRICAL TYPE
- TRIPLE ELECTRICAL TYPE



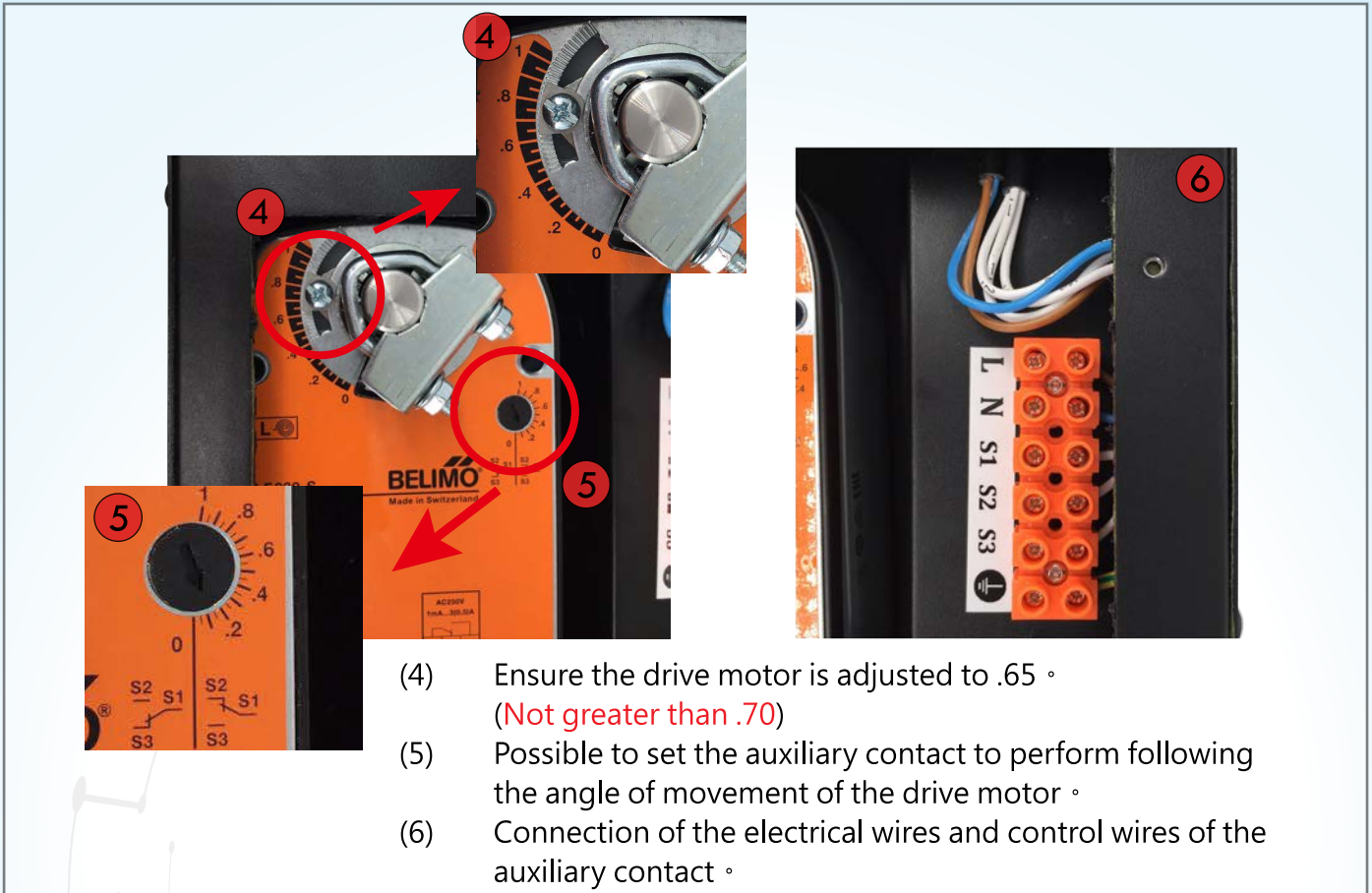
# INSTALLATION MANUAL



Damper & parts:

A.	Damper	x1	(1)	Air inlet position
B.	Hanger	x3		(Lubricant inside, keep clean during installation) °
C.	Hanger Screw	x9	(2)	Thermal insulation in air outlet position °
D.	Shell cover	x1	(3)	Wire holes for electricity and control can be made here.
E.	Black screws for the shell	x2		

# INSTALLATION MANUAL



## COMET'S CREATE ENGINEERING LIMITED

📍 Room 04, 9/F., Shun Fat Industrial Building, 17 Wang Hoi Road, Kowloon Bay

☎ Tel: (+852) 2114 1669

☎ Fax: (+852) 2114 0911

✉ sales@comets.com.hk







## STC Test Report

**Date:** 2018-04-09  
**No:** HT18020031(HT247457)

Page 1 of 4

**Applicant** : Comet's Create Engineering Ltd.  
Ft. D1, 11/F., Hoi Bun Industrial Building,  
6 Wing Yip Street, Kwun Tong, Kowloon, H.K.

Attn.: Miss Kwok

**Description of Sample(s)** : Two (2) pieces of submitted sample said to be  
(A) Air damper  
(B) Air damper (Metallic component only)  
Rectangle configurations designed specifically for things like safety applications, low-leakage needs. Ideal for outdoor air applications that require low-leakage rated dampers, our HVAC dampers prevent hot or cold outside air from penetrating your building  
Color: G.I.  
Unit Weight: 8.16kg  
Country of Origin: China  
Country of Destination: Hong Kong

**Date Sample(s) Received** : 2018-02-01

**Date Tested** : 2018-02-01 to 2018-02-13

**Investigation Requested** : Selected test(s) as detailed herein.



CHENG Chun-yiu, David,  
Authorized Signatory

Textile, Furniture and Footwear Products Department

For and on behalf of

The Hong Kong Standards and Testing Centre Ltd.

International Safe Transit Association (ISTA) Certified Laboratory  
Members of  
Hong Kong Apparel Society Limited  
Hong Kong Footwear Association  
International Association of Wool Textile Laboratories (Interwoollabs)

Approved Laboratory of Australian Wool Innovation Limited (AWI)  
The Govmark Fire Laboratories Certified Laboratory  
Hong Kong Association for Testing, Inspection and Certification Limited  
Knitwear Innovation and Design Society (KIDS)

The Hong Kong Standards and Testing Centre Limited

10 Dai Wang Street, Tai Po Industrial Estate, Tai Po, N.T., Hong Kong

Tel: +852 2666 1888 Fax: +852 2664 4353 Email: hkstc@hkstc.org Website: www.stc-group.org

This report shall not be reproduced unless with prior written approval from The Hong Kong Standards and Testing Centre Limited.

For Conditions of Issuance of this test report, please refer to the overleaf and Website.



## STC Test Report

Date: 2018-04-09  
No: HT18020031(HT247457)

Page 2 of 4

### TEST RESULT(S):

#### 1. Noise testing

Ref. In-house method

Test for equipped with "BELIMO" Damper actuator Model: LF230-S  
Measurement location: 10cm from the center of front surface

Sample A

	Noise level (dB)		
	Background	Device opening	Device closing
Average	30.5	51.9	53.0
Peak	32.8	53.6	59.4

#### 2. Leaking testing

Ref. In-house method

Measurement location : 2cm from center of front surface

Sample A

Sample status	Air flow rate (m/s)
Open	7.50
Close	0.03

Remark: The test setup was prepared by client.

#### 3. Heat testing

Ref. In-house method

Procedure: Heat sample at 300°C for 2 hours and then observe any fire behavior.

	Observation
Sample B	No flaming or melting was observed, the open/close mechanism still work.

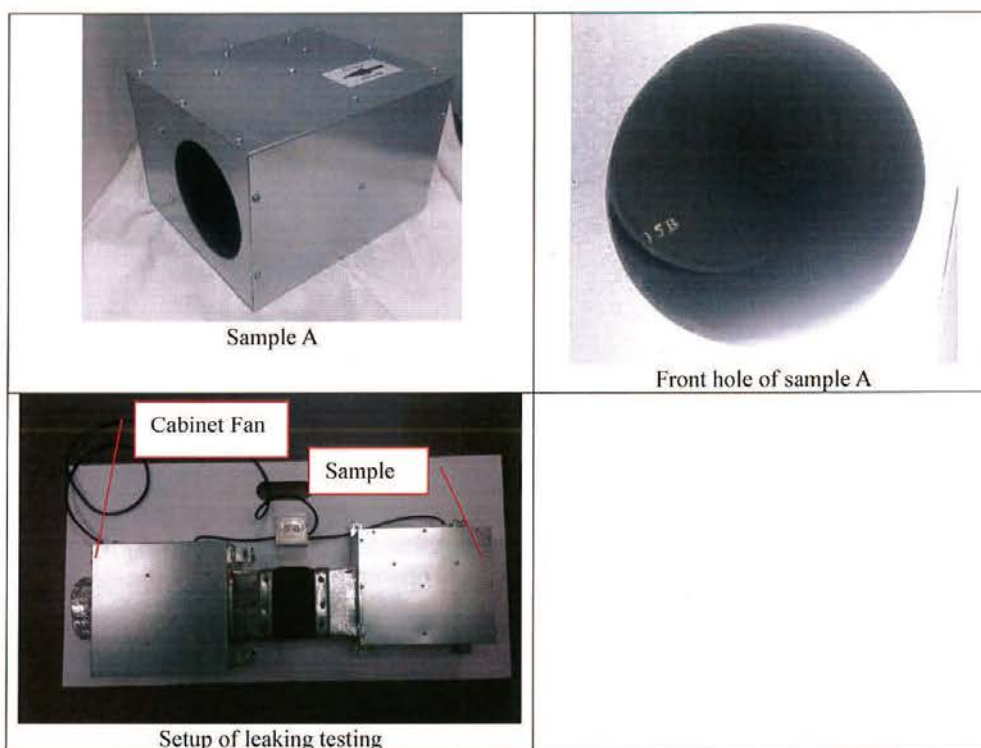


## STC Test Report

Date: 2018-04-09  
No: HT18020031(HT247457)

Page 3 of 4

### TEST RESULT(S):



### TEST RESULT(S):

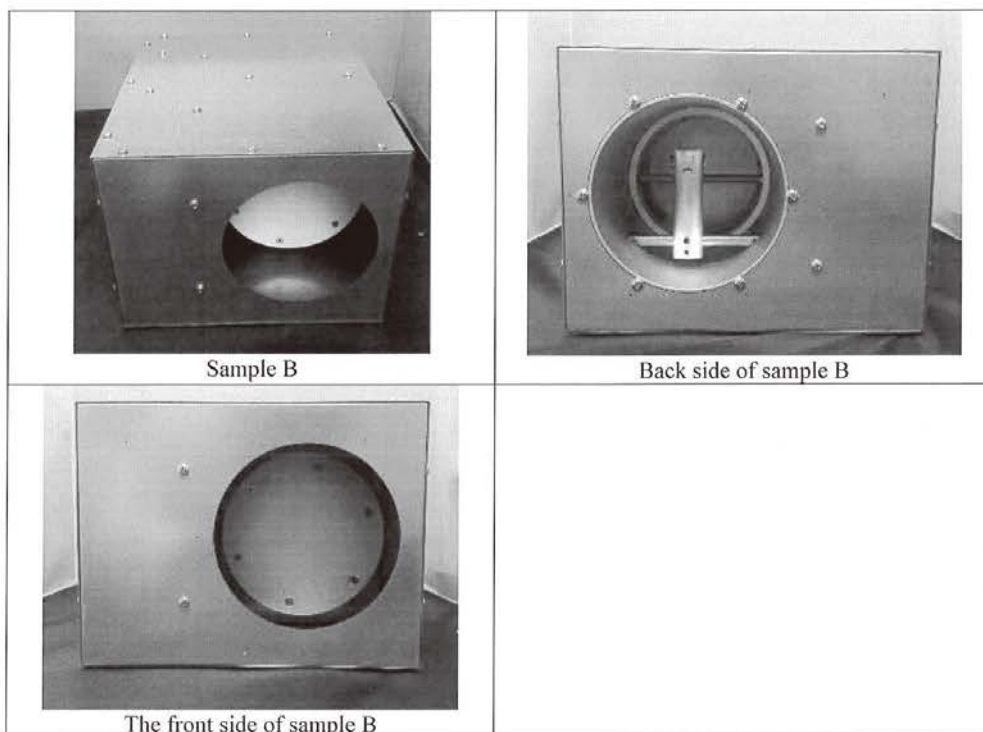
The Hong Kong Standards and Testing Centre Limited  
10 Dai Wang Street, Tai Po Industrial Estate, Tai Po, N.T., Hong Kong  
Tel: +852 2666 1888 Fax: +852 2664 4353 Email: [hkstc@hkstc.org](mailto:hkstc@hkstc.org) Website: [www.stc-group.org](http://www.stc-group.org)  
This report shall not be reproduced unless with prior written approval from The Hong Kong Standards and Testing Centre Limited.  
For Conditions of Issuance of this test report, please refer to the overleaf and Website.



## STC Test Report

Date: 2018-04-09  
No: HT18020031(HT247457)

Page 4 of 4



\*\*\*\*\* End of Test Report \*\*\*\*\*