

## TEST CERTIFICATE

**Certificate No** : MCL / MCL 1742401G/A  
**Contractor Name** : DITC Company For Manufacturing Industrial Fan and Accessories  
(شركة دايترك لتصنيع المراوح الصناعية ومستلزماتها)  
**Sample Model** : Axial Fan DIT- BXV-AL 630-10-25° LH 90- 4 /8- 1.5 kw 40°  
**Sample Dimension** : 700 mm Length- 698 mm Width -734 mm Height  
**Made In** : Egypt  
**Required Test** : Sound Level & maximum air flow measurements and motor speed  
**Received Date** : 01/07/2024  
**Test Date** : 22/07/2024

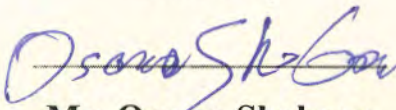
### Test Results For DIT- BXV- AL 630-10/25 LH-4:

| Sample Code                | Max Air Flow<br>(m <sup>3</sup> /h) | Speed<br>(RPM) | Measured Sound Level<br>(S.L)<br>dB |
|----------------------------|-------------------------------------|----------------|-------------------------------------|
| DIT- BXV630-<br>10/25 LH-4 | 11895                               | 1438           | 79                                  |

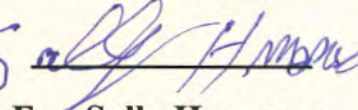
### N.B.

- These results are only applicable for the sample supplied to the lab .
- The maximum air flow was measured at the beginning of the outlet of the sample.

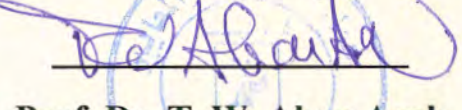
Tested by

  
Mr .Osama Shabaan  
Lab Supervisor

Reviewed by

  
Eng Sally Hammam  
Technical Manager

Approved by

  
Prof. Dr. T. W. Abou Arab  
MCL Director

Issue Date:01/08/2024

|                                                                                                                        |                                                                                                                              |                                                                                                        |
|------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| جامعة<br>القاهرة                                                                                                       | <br>DITC<br>Manufacturing<br>Industrial Fans | <br>CAIRO UNIVERSITY |
| Client                                                                                                                 |                                                                                                                              | Consultant                                                                                             |
| MATERIAL SUBMITTAL FORM                                                                                                |                                                                                                                              |                                                                                                        |
| Project Name : جامعة القاهرة                                                                                           |                                                                                                                              |                                                                                                        |
| Project No. :                                                                                                          |                                                                                                                              | Date : 18 / 4 / 2024                                                                                   |
| Submittal No. : A.F.10555                                                                                              |                                                                                                                              | Specs Ref. No.                                                                                         |
| Contract Drawing Ref. No. :                                                                                            |                                                                                                                              | B.O.Q Ref. No.                                                                                         |
| DISCIPLINE                                                                                                             |                                                                                                                              |                                                                                                        |
| Manufacturing Ventilation Fans                                                                                         |                                                                                                                              |                                                                                                        |
| Attachments                                                                                                            |                                                                                                                              |                                                                                                        |
| ( ) Technical Brochure ( <input checked="" type="checkbox"/> ) Manufacturer Specs ( ) Sample ( ) O & Manual ( ) Others |                                                                                                                              |                                                                                                        |
| Material Description                                                                                                   |                                                                                                                              |                                                                                                        |
| 1- Axial Fan DIT-BXV-AL 630-10-25° LH 90 - 4/8 1.5 KW 40° (QTY. 1)                                                     |                                                                                                                              |                                                                                                        |
| Name of Manufacturer : DITC For Manufacturing                                                                          |                                                                                                                              |                                                                                                        |
| Postal Address Factory 422 - Industrial Area - 3rd Settlement- New Cairo                                               |                                                                                                                              |                                                                                                        |
| Tel # 01068890240 Fax # 025736663                                                                                      |                                                                                                                              |                                                                                                        |
| Web site address : www.Ditc.com.eg E-mail: Ditc2200@Gmail.com                                                          |                                                                                                                              |                                                                                                        |
| (Fans Information)                                                                                                     |                                                                                                                              |                                                                                                        |
| Fan Model : DIT- BXV 630 - 10/25 LH - 4 Fan Speed : 1440 / 720 RPM Fan Motor Power : 1.5 KW                            |                                                                                                                              |                                                                                                        |
| Duty Required : 7000 CFM Static Pressure : 0.8 In. Wg Discharge Direction : Horizontal                                 |                                                                                                                              |                                                                                                        |
| Consultant Comments                                                                                                    |                                                                                                                              |                                                                                                        |
| These results are only applicable for the sample supplied to the lab                                                   |                                                                                                                              |                                                                                                        |
| Name: _____ Date: _____ Signature: _____                                                                               |                                                                                                                              |                                                                                                        |
| ( A ) Approved ( B ) Approved as Noted ( C ) Revise and re submit ( D ) Rejected                                       |                                                                                                                              |                                                                                                        |
| FINAL APPROVAL                                                                                                         |                                                                                                                              |                                                                                                        |
| Manufacturer                                                                                                           |                                                                                                                              | CONSULTANT                                                                                             |
| Name : DITC Manufacturing Industrial Fans                                                                              |                                                                                                                              | Name : Approved by                                                                                     |
| Date : 18/4/2024                                                                                                       |                                                                                                                              | Date :            |
| Signature :                         |                                                                                                                              | Signature : Prof. Dr. T. W. Abou Arab                                                                  |
|                                                                                                                        |                                                                                                                              | MCL Director                                                                                           |

## TEST CERTIFICATE

**Certificate No** : MCL / MCL 1742401G/B  
**Contractor Name** : DITC Company For Manufacturing Industrial Fan and Accessories  
(شركة دايترك لتصنيع المراوح الصناعية ومستلزماتها)  
**Sample Model** : Exhaust Centrifugal Belt Drive Fan (DIT-HRE 00 450)  
**Sample Dimension** : 430 mm Length- 742 mm Width- 836 mm Height  
**Made In** : Egypt  
**Required Test** : Sound Level & maximum air flow measurements and motor speed  
**Received Date** : 01/07/2024  
**Test Date** : 22/07/2024

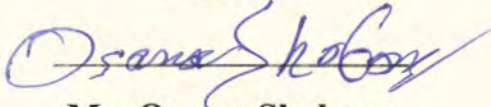
### Test Results For Exhaust Centrifugal Belt -Drive fan (HRE 00 450):

| Sample Code    | Max Air Flow<br>(m <sup>3</sup> /h) | Speed<br>(RPM) | Measured Sound Level<br>(S.L)<br>dB |
|----------------|-------------------------------------|----------------|-------------------------------------|
| DIT-HRE 00 450 | 5102                                | 1419           | 84                                  |

### N.B.

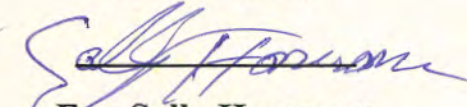
- These results are only applicable for the sample supplied to the lab .
- The maximum air flow was measured at the beginning of the outlet of the sample.

Tested by



Mr .Osama Shabaan  
Lab Supervisor

Reviewed by



Eng Sally Hammam  
Technical Manager

Approved by



Prof. Dr. T. W. Abou Arab  
MCL Director

Issue Date:01/08/2024

|                                                                                                                        |                                                                                                                               |                                                                                                         |
|------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| جامعة<br>القاهرة                                                                                                       | <br>DITC<br>Manufacturing<br>Industrial Fans | <br>CAIRO UNIVERSITY |
| Client                                                                                                                 | Manufacturer                                                                                                                  | Consultant                                                                                              |
| MATERIAL SUBMITTAL FORM                                                                                                |                                                                                                                               |                                                                                                         |
| Project Name : جامعة القاهرة                                                                                           |                                                                                                                               |                                                                                                         |
| Project No. :                                                                                                          |                                                                                                                               | Date : 18 / 4 /2024                                                                                     |
| Submittal No. : A.F.10556                                                                                              |                                                                                                                               | Specs Ref. No.                                                                                          |
| Contract Drawing Ref. No. :                                                                                            |                                                                                                                               | B.O.Q Ref. No.                                                                                          |
| DISCIPLINE                                                                                                             |                                                                                                                               |                                                                                                         |
| Manufacturing Ventilation Fans                                                                                         |                                                                                                                               |                                                                                                         |
| Attachments                                                                                                            |                                                                                                                               |                                                                                                         |
| ( ) Technical Brochure ( <input checked="" type="checkbox"/> ) Manufacturer Specs ( ) Sample ( ) O & Manual ( ) Others |                                                                                                                               |                                                                                                         |
| Material Description                                                                                                   |                                                                                                                               |                                                                                                         |
| 1- Centrifugal Fan ( DIT-HRE 00 450 ) (QTY. 1)                                                                         |                                                                                                                               |                                                                                                         |
| Name of Manufacturer : DITC For Manufacturing                                                                          |                                                                                                                               |                                                                                                         |
| Postal Address Factory 422 - Industrial Area - 3rd Settlement- New Cairo                                               |                                                                                                                               |                                                                                                         |
| Tel # 01068890240 Fax # 025736663                                                                                      |                                                                                                                               |                                                                                                         |
| Web site address : www.Ditc.com.eg E-mail: Ditc2200@Gmail.com                                                          |                                                                                                                               |                                                                                                         |
| (Fans Information)                                                                                                     |                                                                                                                               |                                                                                                         |
| Fan Model :DIT-HRE 00 450 Fan Speed : 1417 RPM Fan Motor Power : 1.5 KW                                                |                                                                                                                               |                                                                                                         |
| Duty Required : 3000 CFM Static Pressure : 2 In. Wg Discharge Direction : Horizontal                                   |                                                                                                                               |                                                                                                         |
| Consultant Comments                                                                                                    |                                                                                                                               |                                                                                                         |
| These results are only applicable for the sample supplied to the lab                                                   |                                                                                                                               |                                                                                                         |
| Name: _____ Date: _____ Signature: _____                                                                               |                                                                                                                               |                                                                                                         |
| ( A ) Approved ( B ) Approved as Noted ( C ) Revise and re submit ( D ) Rejected                                       |                                                                                                                               |                                                                                                         |
| FINAL APPROVAL                                                                                                         |                                                                                                                               |                                                                                                         |
| Manufacturer                                                                                                           |                                                                                                                               | CONSULTANT                                                                                              |
| Name : DITC Manufacturing Industrial Fans                                                                              |                                                                                                                               | Name : _____ Approved by _____                                                                          |
| Date : 18 / 4 /2024                                                                                                    |                                                                                                                               | Date : _____                                                                                            |
| Signature : _____                                                                                                      |                                                                                                                               | Prof. Dr. T. W. Abou Arab                                                                               |
|                                                                                                                        |                                                                                                                               | Signature : _____ MCL Director _____                                                                    |

## TEST CERTIFICATE

**Certificate No** : MCL / MCL 1742401G/C  
**Contractor Name** : DITC Company For Manufacturing Industrial Fan and Accessories  
(شركة دايترك لتصنيع المراوح الصناعية ومستلزماتها)  
**Sample Model** : DIT- AT 10/10 Fresh Air Boxed Fan- Belt- Drive  
**Sample Dimension** : 473 mm Length- 438 mm Width- 490 mm Height  
**Made In** : Egypt  
**Required Test** : Sound Level & maximum air flow measurements and motor speed  
**Received Date** : 01/07/2024  
**Test Date** : 22/07/2024

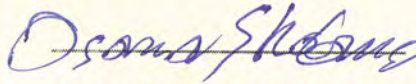
### Test Results For Exhaust Centrifugal Belt -Drive fan (HRE 00 450):

| Sample Code   | Max Air Flow<br>(m <sup>3</sup> /h) | Speed<br>(RPM) | Measured Sound Level<br>(S.L)<br>dB |
|---------------|-------------------------------------|----------------|-------------------------------------|
| DIT- AT 10/10 | 4250                                | 1290           | 79                                  |

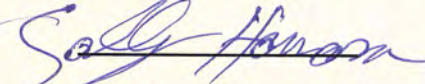
### N.B.

- These results are only applicable for the sample supplied to the lab .
- The maximum air flow was measured at the beginning of the outlet of the sample.

Tested by

  
**Mr .Osama Shabaan**  
Lab Supervisor

Reviewed by

  
**Eng Sally Hammam**  
Technical Manager

Approved by

  
**Prof. Dr. T. W. Abou Arab**  
MCL Director

Issue Date:01/08/2024

|                                                                                                                                       |                                                                                                                               |                                                                                                         |
|---------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| جامعة<br>القاهرة                                                                                                                      | <br>DITC<br>Manufacturing<br>Industrial Fans | <br>CAIRO UNIVERSITY |
| Client                                                                                                                                |                                                                                                                               | Consultant                                                                                              |
| MATERIAL SUBMITTAL FORM                                                                                                               |                                                                                                                               |                                                                                                         |
| Project Name : جامعة القاهرة                                                                                                          |                                                                                                                               |                                                                                                         |
| Project No. :                                                                                                                         |                                                                                                                               | Date : 18 / 4 /2024                                                                                     |
| Submittal No. : A.F.10557                                                                                                             |                                                                                                                               | Specs Ref. No.                                                                                          |
| Contract Drawing Ref. No. :                                                                                                           |                                                                                                                               | B.O.Q Ref. No.                                                                                          |
| DISCIPLINE<br>Manufacturing Ventilation Fans                                                                                          |                                                                                                                               |                                                                                                         |
| Attachments<br>( ) Technical Brochure ( <input checked="" type="checkbox"/> ) Manufacturer Specs ( ) Sample ( ) O & Manual ( ) Others |                                                                                                                               |                                                                                                         |
| Material Description<br>1- Fresh Air Fan (AT (10 / 10)) (QTY. 1)                                                                      |                                                                                                                               |                                                                                                         |
| Name of Manufacturer : DITC For Manufacturing                                                                                         |                                                                                                                               |                                                                                                         |
| Postal Address Factory 422 - Industrial Area - 3rd Settlement- New Cairo                                                              |                                                                                                                               |                                                                                                         |
| Tel # 01068890240 Fax # 025736663                                                                                                     |                                                                                                                               |                                                                                                         |
| Web site address : www.Ditc.com.eg E-mail: Ditc2200@Gmail.com                                                                         |                                                                                                                               |                                                                                                         |
| (Fans Information)                                                                                                                    |                                                                                                                               |                                                                                                         |
| Fan Model : DIT-AT 10 / 10 Fan Speed : 1292 RPM Fan Motor Power : 1.1 KW                                                              |                                                                                                                               |                                                                                                         |
| Duty Required : 2500 CFM Static Pressure : 1.8 In. Wg Discharge Direction : Horizontal                                                |                                                                                                                               |                                                                                                         |
| Consultant Comments                                                                                                                   |                                                                                                                               |                                                                                                         |
| These results are only applicable for the sample supplied to the lab                                                                  |                                                                                                                               |                                                                                                         |
| Name: _____ Date: _____ Signature: _____                                                                                              |                                                                                                                               |                                                                                                         |
| ( A ) Approved ( B ) Approved as Noted ( C ) Revise and re submit ( D ) Rejected                                                      |                                                                                                                               |                                                                                                         |
| FINAL APPROVAL                                                                                                                        |                                                                                                                               |                                                                                                         |
| Manufacturer                                                                                                                          |                                                                                                                               | CONSULTANT                                                                                              |
| Name : DITC Manufacturing Industrial Fans                                                                                             |                                                                                                                               | Name : Approved by                                                                                      |
| Date : 18 / 4 /2024                                                                                                                   |                                                                                                                               | Date : Prof. Dr. T. W. Abou Arab                                                                        |
| Signature : _____                                                                                                                     |                                                                                                                               | Signature : MCL Director                                                                                |

## شهادة اختبار

**Certificate No** : MCL / MCL 3152401G/A  
**Contractor Name** : DITC Company For Manufacturing Industrial Fans And Accessories  
(شركة دايتك لتصنيع المراوح الصناعية ومستلزماتها)  
**Sample Description** : Axial Anti Fire Extract Fan Dit BXV- Al 1000- 14  
**Model** : BXV- AL 1000  
**Fan Diameter** : 1000 mm  
**KW** : 7.5 KW  
**Required Test** : Fire resistance test at 400 °C for two hours and Max Air Flow  
**Received Date** : 08/10/2024  
**Test Date** : 14/11/2024

### Sample description:

**Axial Anti Fire Extract Fan Dit BXV- Al 1000- 14**

### Technical specification used to conduct the test:

Test is guided only by NFPA technical specification in terms of measuring the temperature change with time and the maximum attained temperature after two hours.

### Test Method:

The Axial fire fan Dit BXV1000 was placed in front of a regular flame length and thickness of 5 cm and 60 cm .The unit is subjected to hot gas stream of temperature 400 ° C . The flame is contained inside a metal enclosure . The hot gases is following around the surface of the Axial fire fan Dit BXV1000. The distance between the flame and the surface of the Axial fire fan Dit BXV1000 is changed until The temperature on the surface of the fan was within 400 ° C.

The hot gases temperature was recorded every 15 minutes for two hours .

The temperatures during the test was varying between 380 C ° to 400 °C in the semi-enclosed space when the fan is placed .

**Tested by**

Osama Shabaan

**Mr .Osama Shabaan**  
**Lab Supervisor**

**Reviewed by**

Sally Hammam

**Eng Sally Hammam**  
**Technical Manager**

**Page 1 of 2**



Certificate No : MCL / MCL 3152401G/A

Customer Name : DITC Company For Manufacturing Industrial Fans And Accessories (شركة دايترك لتصنيع المراوح الصناعية ومستلزماتها)

Test result:

- The Axial fire fan Dit BXV1000 passed the test, according to the standard test specification No change in the shape or dimensions or material of the unit fan is noticed .
- Maximum air flow= 27318 m<sup>3</sup>/h
- The temperature of air on fan surface was around 400°C while the fan is placed in semi-enclosed space for two hours.

Equipment's Used

| MCL Standard Used |                                          |                          |                 |
|-------------------|------------------------------------------|--------------------------|-----------------|
| Nomenclature      | : Platinum Resistance Temperature sensor | Laser point model Haytek | Air Flow Device |
| P/N               | : 5628 fluke                             | RAYST60XXEU              | IMA300          |
| S/N               | : 2221                                   | 2820480302-0083          | 01028262        |

NB:.

- This certificate was given to a sample provided at the client's request and without any responsibility on us.

Tested by

Osama shabaan

Mr .Osama Shabaan  
Lab Supervisor

Reviewed by

Sally Hammam

Eng Sally Hammam  
Technical Manager

Approved by

Prof. Dr. T. W. Abou Arab

Prof. Dr. T. W. Abou Arab  
MCL Director

## TEST CERTIFICATE

**Certificate No** : MCL / MCL 3152401G/B  
**Contractor Name** : DITC Company For Manufacturing Industrial Fans And Accessories  
(شركة دايتك لتصنيع المراوح الصناعية ومستلزماتها)  
**Sample Model** : Axial Jet Fan DIT/IMP-C-UNI-45-2/4T-3  
**Sample Dimension** : 2500 mm Length- 540 mm Width- 560 mm Height  
**Made In** : Egypt  
**Required Test** : Sound Level & maximum air flow measurements and motor speed & Throw and max. air speed  
**Received Date** : 08/10/2024  
**Test Date** : 17/11/2024

### Test Results For Axial Jet Fan DIT/IMP-C-UNI-45-2/4T-3:

| Sample Code | Max Air Flow<br>(m <sup>3</sup> /h) | Max. Speed<br>(RPM) | Max. Air Speed<br>(m/s) | Throw<br>(m) | Measured Sound<br>Level (S.L)<br>dB |
|-------------|-------------------------------------|---------------------|-------------------------|--------------|-------------------------------------|
| 3152401G/B  | 13176                               | 2840                | 20.9                    | 36           | 86                                  |

### N.B.

- These results are only applicable for the sample supplied to the lab .
- The maximum air flow was measured at the beginning of the outlet of the sample.

**Tested by**

Osama Shabaan

**Mr. Osama Shabaan**  
**Lab Supervisor**

**Reviewed by**

Sally Hammam

**Eng Sally Hammam**  
**Technical Manager**

**Approved by**



**Prof. Dr. T. W. Abou Arab**  
**MCL Director**

Issue Date: 18/11/2024