Measurements and Calibration Labs (MCL)

(Tests, Measurements, Calibration, consulting)

Faculty of Engineering - Cairo University



معمل المقياسات والمعايرة (اختبارات - قياس - معايرة - استشارات) كلية الهندسة - جامعة القاهرة

شهادة اختبار

Certificate No

: MCL / 0922401G

Contractor Name

(Univent For Industrial Engineering) شركة يونيفينت للصناعات الهندسية:

Sample Description

: BXV 560 2.2 KW/4 POLE (SMOKE AIR FAN INLINE)

Model

: BXV 560

KW

: 2.2 KW/4POL

Required Test

: Fire resistance test at 400 °C for two hours

Received Date

: 01/04/2024

Test Date

: 01/05/2024

Sample description:

BXV 560 2.2 KW/4 POLE (SMOKE AIR FAN INLINE)

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 SMOKE AIR FAN INLINE 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 SMOKE AIR FAN INLINE. The distance between the flame and the surface of the SMOKE AIR FAN INLINE is changed until The temperature on the surface of the SMOKE AIR FAN INLINE 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 Shahaan

Mr .Osama Shabaan Lab Supervisor Reviewed by

Sally Harman

Eng Sally Hammam

Technical Manager

Page 1 of 2

Main Branch (Giza): Cairo University – Faculty of Engineering Tel.: 35678496 / 35678546 – Fax: 35702687 e-mail:pcg_mcL@yahoo.com

Shaikh Zayed Branch:

Cairo University – Faculty of Engineering Shaikh Zayed Branch-Zone(1) Tel/Fax:38507064 e-mail: mcl.peg_zayd@yahoo.com





ISO:17025 - 9001 Certified QMS



القرالرئيسي (الجيزة) كلبة الهندسة - جامعة القاهرة - امام مسجد الكلية ت ٢٥٢١/١٥٦ - ٢٥٢١/١٥٦ فاكس ٢٥٢١/١٥٦ بريد إلكستروني peg_mcL@yahoo.com فسرع الشيخ رئيسة كلية الهندسة - جامعة القاهرة الشيخ رئيد - الحي الأول تليف اكس ٢٨٥٠/١١٠ ويود إلكستروني mcLpog_zayd@yahoo.com

Measurements and Calibration Labs (MCL)

(Tests, Measurements, Calibration, consulting)

Faculty of Engineering - Cairo University



ممل القياسات والمعايرة اختبارات - قياس - معايرة - إستشارات) كلية الهندسة - جامعة القاهرة

Certificate No

: MCL / 0922401G

Customer Name

Univent For Industrial) شركة يونيفينت للصناعات الهندسية:

Engineering)

Test result:

The SMOKE AIR FAN INLINE passed the test, according to the standard test specification No change in the shape or dimensions or material of the the unit fan is noticed.

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
P/N	: 5628 fluke	RAYST60XXEU
S/N	: 2221	2820480302-0083

NB:.

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

Tested by

Tested by

Reviewed by

Approved by

Mr .Osama Shabaan

Eng. Mohamed Fawzy

Eng Sally Hammam

Prof. Dr. T W. Abou Arab

Lab Supervisor

Lab. Engineering

Technical Manager

Page 2 of 2

Issue date: 07/05/2024

Cairo University - Faculty of Engineering Tel.: 35678496 / 35678546 - Fax: 35702687 e-mail: pcg_mcL@yahoo.com

Shnikh Zayed Brunch:

Cairo University - Faculty of Engineering Shaikh Zayed Branch Zone(1) Tel/Fax: 38507064 e-mail: mcl.pcg zayd@yahoo.com



Mohamed Farzy Dally Hamman

