

TEST LABORATORY FOR VENTILATION, AIR CONDITIONING AND REFRIGERATION

Ref.-No.: KKL/1049/19 Essen, 30 January 2020
Order-No.: 81 17 28 12 28 NaM / Tre / Stem

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Test Report No.: TR-KKL-2020-006
Test on a Modelbox
According to EN 1886:2007

Client **VIVANT SOLUTIONS PVT LTD**
Plot 329, SIDCO Thirumullaivoyal, Tiruvallur
TAMILNADU, 600 062
INDIA

Testing object Modelbox "VS50-48"
Serial-No. 180891/0201/01

Manufacturer VIVANT SOLUTIONS Pvt. Ltd.

PO number VS/19-20/125/CHN/PO

Date of the PO 26 May 2019

Arrival of the testing object 05 October 2019

Content of order Casing Strength
Casing Air Leakage
Filter Bypass Leakage
Thermal transmittance
Thermal bridging
Acoustic insulation of the casing

Standard of test EN 1886:2007

Test period 18 October – 27 October 2019, 26 October 2019

The test report consists of 2 pages.

The test results refer exclusively to the test objects.
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Summary

TÜV NORD Systems GmbH & Co. KG was commissioned by VIVANT SOLUTIONS, IN-DIA, to test a modelbox according to EN 1886:2007. The measurements were carried out in the Test Laboratories for Ventilation, Air-Conditioning and Refrigeration and for Emission and Immission of Sound and Odours. The resulting classifications of the modelbox are summarised in Tables 1 and 2.

Table 1: Classification of the tested modelbox acc. to EN 1886

Characteristic	Class EN 1886:2007
Casing strength	D1(M)
Casing air leakage	L1(M)
Filter bypass leakage	F9(M)
Thermal transmittance	T2
Thermal bridging	TB2

Table 2: Acoustic encasing of the modelbox acc. to EN 1886

Octave band in Hz	63	125	250	500	1000	2000	4000	8000
Sound insertion loss D_e in dB	1,0	6,0	9,9	11,8	12,4	14,0	37,9	41,5

Essen, 30 January 2020



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Maximilian Nanni (B. Eng.)

Technical Experts of Test Laboratory for Ventilation, Air-Conditioning and Refrigeration

ANNEX: A1 – A7