Test Verification of Conformity

Verification Number: 2411118STO-102

On the basis of the referenced test report(s), sample(s) tested of the below product have been found to comply with the standards harmonized with the directives listed on this verification at the time the tests were carried out. Other standards and Directives may be relevant to the product. This verification is part of the full test report(s) and should be read in conjunction with it <them>.

Once compliance with all product relevant CE mark directives are verified, including any relevant e.g. risk assessment and production control, the manufacturer may indicate compliance by signing a Declaration of Conformity themselves and applying the mark to products identical to the tested sample(s).

Applicant Name & Address:	VEAB Heat Tech AB Stattenavägen 50 281 35 Hässleholm Sweden
Manufacturer Name & Address:	Same as applicant
Product Description:	Heater for mounting in ventilating duct
Ratings & Principle Characteristics:	400 V, 3NAC, 50-60Hz, Class I
Models/Type References:	CV-series. For type key see Appendix at page 2.
Brand Name(s):	VEAB
Standard(s)/Directive(s):	EN IEC 61000-6-1: 2019, EN IEC 61000-6-2: 2019, EN IEC 61000-6-3: 2021 EN IEC 61000-6-4: 2019
Verification Issuing Office Name & Address:	Intertek Semko AB Torshamnsgatan 43, Box 1103, SE-164 22 Kista, Sweden
Test Report Number(s):	2411118STO-101, 2404216STO-101

Signature

Name: Per Granberg
Position: Senior project engineer
Date: February 10 2025

APPENDIX

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Key code:
The heaters can be made in a wide range of models, in aspect of rated power, duct diameter, mains voltage, power control, etc.

CV aa-bb-cdefghi

aa, bb, c and **d** are always denoted
ef is denoted only if the heater has built in power control
g is denoted only in combination with **f** =**I, E** or **U**
h may be denoted in any combination
i is denoted only if the mains voltage is 230V 3~

where **aa** = the duct diameter in **cm**, approximated down to two digits.
It can be 10, 12, 15, 16, 20, 25, 31, 35, or 40.

bb = the rated power in **hW**, approximated to integer values.

c = **1** when made for single-phase 230V connection to mains.
c = **2** when made for two-phase 400V connection to mains.
c = **3** when made for three-phase 230V, 400V, 440V or 460V connection to mains.

d = **M** when the thermal protectors are of bi-metal disc type in series with the load, or in the control circuit of a built-in contactor.
d = **E** when the thermal protectors are of bi-metal disc type, and separately connected to terminal blocks.
d = **P** same as **M** but has heating elements with low surface load for low airflows.
d = **D** when the thermal protectors are of capillary type, and separately connected to terminal blocks when the heater is without built-in controller, or in series with the internal control circuitry when the heater has a built-in controller.
d = **ERI** same as **D** but has the heating elements mounted with Electrical Reinforced Insulation.

e = **T** with built-in controller but without airflow interlocking function.
e = **Q** with built-in controller and with airflow interlocking function.

f = **I** with built-in temperature controller and internal set-point potentiometer.
f = **E** with built-in temperature controller and external set-point potentiometer.
f = **U** with both **I** and **E** function (the user selects the function during installation).
f = **X** with built-in power controller meant for 0...10V excitation signal.
f = **Y** with built-in power controller meant for 2...10V excitation signal.
f = **C** with built-in power controller meant for 4...20mA excitation signal.
f = **P** with built-in power controller meant for PWM excitation signal.

g = **M** with built-in temperature controller and with MIN and/or MAX limitation.

h = **L** with alarm relay to indicate thermal protection tripping.

i = 2 when made for mains voltage 230V 3~

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cdefgh = **1Modbus** with built-in MODBUS controller for mains voltage 230V~
cdefgh = **2Modbus** with built-in MODBUS controller for mains voltage 400V2~
cdefgh = **3Modbus** with built-in MODBUS controller for mains voltage 400V3~
cdefghi = **3Modbus2** with built-in MODBUS controller for mains voltage 230V3~

OR

CV aa-bb-cViCi-*

aa, bb and **c** are always denoted where:

aa = the duct diameter in **cm**, approximated down to two digits.
It can be 10, 12, 15, 16, 20, 25, 31, 35, or 40.

bb = the rated power in **hW**, approximated to integer values.

c = **1** when made for single-phase 230V connection to mains.
c = **2** when made for two-phase 400V connection to mains.
c = **3** when made for three-phase 230V, 400V, 440V or 460V connection to mains.

ViCi = Heater is built with alternative control board 1ES, 1FS, 3ES, or 3FS

Asterisk(*) can equal the following combinations: **AL, QAL, AWL, QAWL, O, QO, OL, QOL** where:

A = Output is controlled with 0-10V, 2-10V, or 4-20mA
AW = Output is controlled with a PWM voltage of 5-25V
O = Output is controlled with NTC, PT100, or PT1000
Q = The heater has an airflow interlocking function
L = The heater has an alarm relay to indicate thermal protection tripping.