CERTIFICATE

FOR EUROPEAN PRODUCT SAFETY

Reference No. SE-S-2100914

Heater for mounting in ventilating duct

Type designation: CV 10-*-*******, CV 12-*-*******, CV 15-*-*******, CV 16-*-*******, CV 20-*-*******, CV 25-*-*******, CV 31-*-*******, CV 35-*-*******, CV 40-*-*******

Certificate holder:
VEAB Heat Tech AB
Stattenavägen 50
281 33 Hässleholm
SWEDEN

The product complies with the standard(s):
EN 60335-1:2012+A11+A13+A1+A14+A2
EN 60335-2-30:2009+A11+A1+A12
EN 62233:2008

Date of expiry: 28 June, 2026

EU Directive information: According to the principle of presumption of conformity, this certificate constitutes support for an EC Declaration of Conformity and CE marking according to the Low Voltage Directive 2014/35/EU.

Additional information in Appendix

Certification Body: Intertek Semko AB, Product Certification **Place:** Kista - Stockholm

Signed: **Date:** 28 June, 2021

Henrik Wikström

APPENDIX:

Reference No. SE-S-2100914

Technical Data:

Type designation	CV 10-*-*******, CV 12-*-*******, CV 15-*-*******, CV 16-*-*******, CV 20-*-*******, CV 25-*-*******, CV 31-*-*******, CV 35-*-*******, CV 40-*-*******
Rated voltage (V)	230, 400-460
Rated power (W)	300-15000
Frequency (Hz)	50-60, 50
Class	I
IP-Class	44, 55
Trademark	VEAB Heat Tech AB
Test Report	2010710STO-001
Product information	Heater for horizontal or vertical mounting in ventilating duct

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.
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

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h = **L** with alarm relay to indicate thermal protection tripping.
i = **2** when made for mains voltage 230V 3~
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~

Manufacturing Sites: VEAB Heat Tech AB
Stattenavägen 50
281 23 Hässleholm
SWEDEN

According to the principle of presumption of conformity, this certificate, which includes production control, constitutes support for an EC Declaration of Conformity and CE marking according to the Low Voltage Directive 2014/35/EU.
This presumption can expire before end of validity of this certificate due to new issued Standard or Amendment and changes within the EU legislation.

The instruction for use shall be written in a language acceptable according to the national regulation in the country where the product is to be used.

Certification Body: Intertek Semko AB, Product Certification **Place:** Kista - Stockholm

Signed: **Date:** 28 June, 2021

Henrik Wikström