

TYPE CERTIFICATE



Czech

Registration number **06.769.113**

issued for the manufacturer:

2VV s.r.o
Poděbradská 289
CZ - 530 09 Pardubice - Trnová
Company Registration No.: 62065467

for the product:

Name: Air Curtains **ESSENSSE**
Type designation: **VCE**
Type: specified in Annex Certificate
Place of the production: 2VV s.r.o., Poděbradská 289, 530 09 Pardubice - Trnová

at which the certification has been conducted pursuant to ISO/IEC 17067 – System 3 certification scheme in accordance with TÜV SÜD Czech certification system. The results are stated in Evaluation report file No. 06.794.321 from 25.10.2013.

The product type mentioned above fulfils the applicable requirements of the following regulations/standards which were the basis for its evaluation:

ČSN EN 60335-1 ed.3:2012 (idt EN 60335-1:2012), ČSN EN 60335-2-30 ed.3:2010+A11:12 (idt EN 60335-2-30:2009+A11:12), ČSN EN 60204-1:2007+A1:09 (idt EN 60204-1:2006+A1:09), ČSN 06 1008:1998, ČSN EN ISO 13857:2008 (idt EN 13857:2008), ČSN EN 61000-6-3 ed.2:2007+A1:11 (idt EN 61000-6-3:2007 +A1:11), ČSN EN 55014-1 ed.3:2007+A1:10+A2:12 (idt EN 55014-1:2006 +A1:09+A2:11), ČSN EN 55014-2:1998+A1:02 +Z1:08+A2:09 (idt EN 55014-2 :1997+A1:01 +IS1:07+A2:08) and related standards.

This certificate is valid till: **14.11.2018**

Details and validity conditions are stated in the annex which forms an integral part of this Certificate and contains 2 pages.

This certificate is issued on the basis of voluntary certification, and it does not substitute outputs of the authorized or notified body.

Prague, 14.11.2013



Head of the certification body

1. The product specimen was entered for evaluation and type certification on 02.09.2013

2. The Certificate was issued on the basis of the documents provided by the client:

- Purchase order from 10.09.2013,
- Application for the certifying from 02.09.2013,
- Supplement No. 3 to Contract No. 06.621.091 of 01.03.2012,
- Undermentioned producing and accompanying technical documentation.



3. The assessment of factory production control was performed at the product manufacturer concentrating on elements ensuring the continuation of product conformity with certification requirements.

4. Detailed technical data characterizing the product type:

Type	Air output [m ² /h]			Acoustic pressure [dB(A)]		Heater power output [kW]		Total consumption [V/A]	Motor consumption [V/A]	Temperature increase Δt [°C]	Frequency [Hz]	Weight [kg]
	Speed 3	Speed 2	Speed 1	3m	5m	1st level	2nd level					
VCE-A-100-E-...	1000	880	760	48,5	44,0	2,4	4,7	400/7,1	230/0,3	14	50	15
VCE-A-150-E-...	1450	1330	1170	50,3	45,9	3,8	7,6	400/11,4	230/0,4	15	50	20
VCE-A-200-E-...	2000	1730	1460	50,9	46,5	4,8	9,5	400/14,1	230/0,5	14	50	25
VCE-A-100-S-...	1000	890	770	48,5	44,0	-	-	230/0,3	230/0,3	-	50	14
VCE-A-150-S-...	1500	1360	1190	50,3	45,9	-	-	230/0,4	230/0,4	-	50	18
VCE-A-200-S-...	2050	1770	1500	50,9	46,5	-	-	230/0,5	230/0,5	-	50	23
VCE-A-100-G-...	1000	880	760	48,5	44,0	2,4		400/6,1	230/0,3	7	50	15
VCE-A-150-G-...	1450	1330	1170	50,3	45,9	2,0	4,8	400/8,4	230/0,4	10	50	20
VCE-A-200-G-...	2000	1730	1460	50,9	46,5	2,4	5,9	400/10,3	230/0,5	9	50	25

Recommended installation height – 2,2 m.

Type	Air output [m ² /h]			Acoustic pressure [dB(A)]		Heater power output [kW]		Total consumption [V/A]	Motor consumption [V/A]	Temperature increase Δt [°C]	Frequency [Hz]	Weight [kg]
	Speed 3	Speed 2	Speed 1	3m	5m	1st level	2nd level					
VCE-B-100-E-...	1450	1320	1120	55,9	51,5	2,4	5,9	400/10,2	230/0,6	12	50	16
VCE-B-150-E-...	2150	1860	1500	57,0	52,6	4,9	10,0	400/15,9	230/0,7	15	50	22
VCE-B-200-E-...	2800	1160	1770	57,5	53,0	6,0	12,5	400/19,6	230/0,8	14	50	27
VCE-B-100-V-...	1300	1190	1010	55,8	51,3	9,6	9,6	230/0,6	230/0,6	24	50	17
VCE-B-150-V-...	1900	1720	1410	54,4	49,9	15,7	15,7	230/0,7	230/0,7	26	50	23
VCE-B-200-V-...	2550	2160	1730	54,1	49,7	22,4	22,4	230/0,8	230/0,8	27	50	28
VCE-B-100-S-...	1500	1340	1140	56,5	52,0	-	-	230/0,6	230/0,6	-	50	15
VCE-B-150-S-...	2200	1880	1530	58,6	54,2	-	-	230/0,7	230/0,7	-	50	20
VCE-B-200-S-...	2900	2290	1800	57,7	53,2	-	-	230/0,8	230/0,8	-	50	24
VCE-B-100-F-...	1450	1320	1120	55,9	51,5	4,7	9,4	400/14,0	230/0,6	21	50	16
VCE-B-150-F-...	2150	1860	1500	57,0	52,6	7,6	15,1	400/22,8	230/0,7	22	50	22
VCE-B-200-F-...	2800	2260	1770	57,5	53,0	9,6	19,1	400/28,3	230/0,8	20	50	27
VCE-B-100-G-...	1450	1320	1120	55,9	51,5	2,4	4,7	400/7,4	230/0,6	10	50	16
VCE-B-150-G-...	2150	1860	1500	57,0	52,6	3,8	7,6	400/11,6	230/0,7	11	50	22
VCE-B-200-G-...	2800	2260	1770	57,5	53,0	4,9	9,6	400/14,6	230/0,8	10	50	27

Recommended installation height – 3 m.

Type	Air output [m ² /h]			Acoustic pressure [dB(A)]		Heater power output [kW]		Total consumption [V/A]	Motor consumption [V/A]	Temperature increase Δt [°C]	Frequency [Hz]	Weight [kg]
	Speed 3	Speed 2	Speed 1	3m	5m	1st level	2nd level					
VCE-C-100-E-...	2600	-	-	66,9	62,4	4,8	9,3	400/14,9	230/1,3	10	50	24
VCE-C-150-E-...	3800	-	-	67,1	62,7	7,7	15,0	400/23,9	230/1,8	12	50	31
VCE-C-200-E-...	5500	-	-	68,8	64,4	9,3	19,2	400/29,7	230/2,3	10	50	39
VCE-C-100-V-...	2150	-	-	61,7	57,3	17,2	17,2	230/1,	230/1,0	24	50	25
VCE-C-150-V-...	3100	-	-	63,2	58,7	26,3	26,3	230/1,4	230/1,4	25	50	33
VCE-C-200-V-...	4600	-	-	64,3	59,9	40	40	230/1,6	230/1,6	26	50	42
VCE-C-100-S-...	2700	-	-	67,4	63,0	-	-	230/1,3	230/1,3	-	50	23
VCE-C-150-S-...	4000	-	-	67,9	63,5	-	-	230/1,9	230/1,9	-	50	29
VCE-C-200-S-...	5700	-	-	69,2	64,8	-	-	230/2,6	230/2,6	-	50	37
VCE-C-100-G-...	2600	-	-	66,9	62,4	2,5	6,0	400/10,4	230/1,3	7	50	24
VCE-C-150-G-...	3800	-	-	67,1	62,7	4,9	10,0	400/15,8	230/1,8	8	50	31
VCE-C-200-G-...	5500	-	-	68,8	64,4	6,1	12,5	400/19,4	230/2,3	7	50	39

Recommended installation height – 4 m

5. List of important parts of the technical documentation:

- The documentation listed in the Assessment Report Reg. No. 06.794.321 from 25.10.2013.

6. Validity Conditions

- The certificate shall apply only to its holder and products and production places mentioned therein.
- The transfer of the certificate by its owner to third parties is inadmissible as well as the use of certificate by third parties.
- TÜV SÜD Czech shall be notified forthwith of any product modifications compared to the certified specimen. This fact may cause the certificate continuation dependent on an additional conformity evaluation.
- TÜV SÜD Czech shall supervise the proper functioning of the Quality System at the manufacturer within a period of once per year on the basis of a concluded contract about the controlling activity.
- The certificate can be renewed on request.
- The certificate shall only be reproduced complete including all the annexes.
- The right to use TÜV SÜD Czech certification mark was established to the certificate.
- The certificate holder commits to keep records of all the relevant complaints concerning the conformity of the products with the requirements of regulations and standards and make those records available to the certification body TÜV SÜD Czech.
- Not specified items (advertising, use of certification mark and certificates) are governed by the General Conditions for Product Certification, as amended.

This language version of the certificate is a translation of a Czech official version No. 06.769.113 issued on 14.11.2013, which is deemed the only one applicable in the event of legal disputes and was printed on 14.11.2013.

