



## EC-Type Examination Certificate

- (1) **Equipment or Protective Systems Intended for Use  
in Potentially Explosive Atmospheres  
(Directive 94/9/EC)**

(3) EC-Type Examination Certificate Number:

**FTZÚ 13 ATEX 0111X**

- (4) Equipment: **Asynchronous electromotor type 5KTCR 355...**
- (5) Manufacturer: **BARTEC VARNOST d.o.o**
- (6) Address: **Cesta 9. Augusta 59; 1410 Zagorje ob Savi; Slovenia**
- (7) This equipment or protective system and any of acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- (8) The Physical Technical Testing Institute, notified body number 1026 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential Report N°:

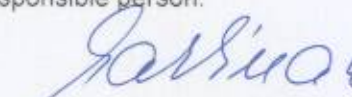
**13/0111 dated 24.03.2014**

- (9) Compliance with Essential Health and Safety Requirements has been assured by compliance with:  
**EN 60079-0:2012; EN 60079-1:2007; EN 60079-7:2007**
- (10) If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.
- (11) This EC-Type Examination Certificate relates only to the design, examination and testing of the specified equipment or protective system in accordance to the Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.
- (12) The marking of the equipment or protective system shall include the following:

 **I M2 Ex de I Mb**      or      **Ex d I Mb**  
 **II 2G Ex de IIA T4 Gb**      or      **Ex d IIA T4 Gb**

This EC-Type Examination Certificate is valid till: **24.03.2019**

Responsible person:

  
Dipl. Ing. Lukáš Martinák  
Head of Certification Body



Date of issue: 24.03.2014

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This certificate is granted subject to the general conditions of the FTZÚ, s.p.  
This certificate may only be reproduced in its entirety and without any change, schedule included.

FTZÚ, s.p., Pikartská 1337/7, 716 07 Ostrava-Radvanice, Czech Republic,  
tel +420 595 223 111, fax +420 596 232 672, ftzu@ftzu.cz, www.ftzu.cz



**Physical Technical Testing Institute  
Ostrava – Radvanice**

(13)

**Schedule**

(14) **EC-Type Examination Certificate N° FTZÚ 13 ATEX 0111X**

(15) Description of Equipment:


Three-phase squirrel-cage asynchronous electromotor type 5KTCR 355... and terminal box are protected by flameproof enclosure. Terminal box can be alternatively protected by increased safety. Terminal box is equipped with threaded entry for installation of Ex-cable glands. Enclosure is made out of cast iron; fan and fan-cover are made out of steal plate. In the terminal box are installed bushings type TOS16.400A.1600V, certificate PTB 04 ATEX 1099U for power circuits and line bushings type 07-9101-\*\*\*\*, certificate PTB 97 ATEX 1047U for control circuits. In "e" terminal box are installed terminals type 07-9702-0220/1, certificate PTB 99 ATEX 3117U for connection of control circuits. Thermal protection of electromotor is ensured by PTC temperature sensors circuits. Nominal cut-off temperature of the PTC is +155 °C.

Entries into connection compartment enclosure of motor are designed for use of separately certified Ex-equipment cable glands.

**Technical parameters:**

TYPE 5KTCR 355	SA-4	SB-4	S(L)-4	M-4
Max. rated power	200 kW	250 kW	315 kW	400 kW
Rated supply voltage	1100 V ±5%			
Max. rated current	122 A	152 A	192 A	242 A
Rated frequency	50 Hz			
Duty type	S1 to S9			
Frequency range in inverter	5 Hz to 87 Hz			
Ambient temperature	-20 °C ≤ Ta ≤ +40 °C			

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Dipl. Ing. Lukáš Martinák  
Head of Certification Body



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Schedule

(13)

(14) **EC-Type Examination Certificate N° FTZÚ 13 ATEX 0111X**

(16) Report No.: 13/0111

(17) Special conditions for safe use:

Verified values of the maximum gaps and minimum constructional length of flameproof joints of this enclosure are different from relevant minimum and maximum values mentioned in standard. To obtain information about joints dimension it is necessary to contact the manufacturer.

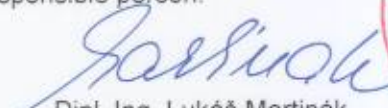
(18) Essential Health and Safety Requirements:

They are included in standards, which are mentioned in clause (9) of this certificate. The product was approved in accordance with above mentioned standards.

(19) List of Documentation:

<i>Document No.</i>	<i>Date:</i>
023972; 4pages	28.03.2013
023971; 8 pages	28.03.2013
023856; 13 pages; revision D	16.09.2013
018338	20.01.1999
024167; 9 pages; revision A	27.08.2013
024020	29.04.2013
023399; 6 pages	29.04.2013
020366; revision A	04.02.2008

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