



OBAC

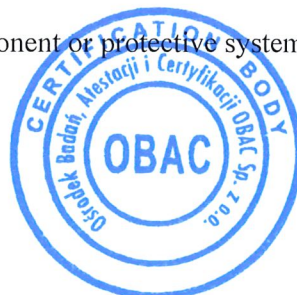
Ośrodek Badań, Atestacji i Certyfikacji Sp. z o.o.
44-121 Gliwice, ul. Łabędzka 21

(1) TYPE EXAMINATION CERTIFICATE

(Translation)

- (2) Equipment, components and protective systems intended for use in potentially explosive atmospheres. Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014.
- (3) Type examination certificate No.: **OBAC 17 ATEX 0063X, Issue 2**
- (4) Product: **Centrifugal ducted fans**
type: **EBF/...-...**
- (5) Manufacturer: **Venture Industries Sp. z o.o.**
- (6) Address: **ul. Mokra 27, 05-092 Łomianki-Kiełpin**
- (7) This equipment, product or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- (8) Ośrodek Badań, Atestacji i Certyfikacji OBAC Sp. z o.o. (The Institute for Research and Certification „OBAC” Ltd) certifies that this equipment, component or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment, component or protective systems intended for use in potentially explosive atmospheres given in Annex II to the European Council Directive 2014/34/EU.
The examination and test results and the list of agreed technical documentation are recorded in the confidential Report no. OBAC/22/ATEX/0197.
- (9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
PN-EN ISO 80079-36:2016-07 **PN-EN ISO 80079-37:2016-07** **PN-EN 14986:2017-02**
(EN ISO 80079-36:2016) (EN ISO 80079-37:2016) (EN 14986:2017)
- (10) If the sign „X” is placed after the certificate number, it indicates that the product concerned is subject to specific conditions of use specified in the schedule to this certificate.
- (11) This certificate is valid from 15.05.2022 until 14.05.2027 and relates only to the design, assessment and tests of the specified equipment according to the Directive 2014/34/EU. The certificate does not apply to further requirements of the Directive relating to the manufacture and placing on the market of this equipment.
- (12) The marking of the equipment, component or protective system must include the following:

 **II 2G Ex h IIB T3 Gb**



**Certification Body
Manager**

Piotr Tarnawski M. Com.

Gliwice, 11 May 2022.



OBAC

Ośrodek Badań, Atestacji i Certyfikacji Sp. z o.o.
44-121 Gliwice, ul. Łabędzka 21

(13)

SCHEDULE

(14)

**to the Type Examination Certificate
No. OBAC 17 ATEX 0063X, Issue 2**

(15) Ex product description:

The cuboid structure of the EBF/...-...centrifugal ducted fan is made of galvanized carbon-steel sheet with rectangular inlet and outlet. The MK...- type motor with external rotor is fastened to the fan structure, the motor holding the following EC-type examination certificates: PTB08ATEX3060, PTB08ATEX3061, PTB08ATEX3062. There is a radial fan rotor of RE..P/RH..M typ, manufactured by ZIEHL-ABEGG SE, installed on the motor. The EBF fan is not a gas-tight design and is intended for installation in the ventilations ducts.

Rated data:

Fan type	EBF/4-315T	EBF/4-355T	EBF/4-400T	EBF/4-450T	EBF/4-500T	EBF/6-500T	EBF/6-560T
Motor-rotor assembly	RH31M-4DK.2Y. 1R	RH35M-4DK.4Y. 1R	RH40M-4DK.4Y. 1R	RH45M-4DK.4Y. 1R	RH50M-4DK.6Y. 1R	RH50M-6DK.4Y. 1R	RH56M-SDK.4Y. 1R
Power [kW]	0,12	0,26	0,43	0,77	1,1	0,39	0,66/0,45
Rated current [A]	0,22	0,51	0,79	1,4	1,85	0,82	1,25/0,75
Rotational speed [rpm]	1320	1360	1340	1350	1290	840	890/700
Voltage control	down to 115V with the use of transformer						Δ/Y
Supply voltage	400V, 50Hz						
Ambient temperature and medium	-20°C < T _{amb} < +40°C						

Marking:

Centrifugal ducted fans of EBF/...-...type

Type: EBF/4-315T II 2G Ex h IIB T3 Gb
EBF/4-355T II 2G Ex h IIB T3 Gb
EBF/4-400T II 2G Ex h IIB T3 Gb
EBF/4-450T II 2G Ex h IIB T3 Gb
EBF/4-500T II 2G Ex h IIB T3 Gb
EBF/6-500T II 2G Ex h IIB T3 Gb
EBF/6-560T II 2G Ex h IIB T3 Gb





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**to the Type Examination Certificate
No. OBAC 17 ATEX 0063X, Issue 2**

(16) Report:

– OBAC/22/ATEX/0197.

(17) Specific conditions of use:

– The fan structure shall be earthed at the place of its installation so that electrostatic charges offtake be ensured.

(18) Essential health and safety requirements:

Met by compliance with the requirements mentioned in item 9.

(19) Certification history:

OBAC 17 ATEX 0063X, dated 15 May 2017.	Type examination certificate
Schedule No.1 to the certificate no. OBAC 17 ATEX 0063X, dated 10 October 2018.	Documentation update
Schedule No.2 to the certificate no. OBAC 17 ATEX 0063X, dated 27 June 2019.	Update of standards and documentation
OBAC 17 ATEX 0063X, Issue 2 dated 11 May 2022.	Extension of the validity of the type examination certificate

