



(1) **Supplementary Type Examination Certificate No. 2**

(2) **Equipment or Protective Systems Intended for Use
in Potentially Explosive Atmospheres
(Directive 2014/34/EU)**

(3) Type Examination Examination Certificate number:

FTZÚ 18 ATEX 0137

(4) Product: **Three-Phase Asynchronous Motor type:
1TE1521-..., 1TE1523-..., 1TE1621-..., 1TE1623-...,
1TE1531-..., 1TE1533-..., 1TE1631-..., 1TE1633-...,
Frame size: -1A..., -1B..., -1C..., -1D..., -1E..., -2A... (100 to 200)**

(5) Manufacturer: **Van Houcke NV**

(6) Address: **Vlamingveld 32, 8490 Jabbeke, Belgium**

(7) This supplementary certificate extends Type Examination Certificate No. FTZÚ 18 ATEX 0137 to apply to products designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.


(8) The Physical-Technical Testing Institute certifies that this product, as modified by this supplementary certificate, has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive 2014/34/EU of the European Parliament and of the Council, dated 26.02.2014.


(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0:2018, EN 60079-7:2015+A1:2018, EN 60079-31:2014

(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to Specific Conditions of Use specified in the schedule to this certificate.

(11) The marking of the product shall include the following:

 **II 3D Ex tc IIIB T120°C Dc or Ex tc IIIB T130°C Dc or**
II 3G Ex ec IIC T3 Gc or Ex ec IIB T3 Gc or

 **II 3GD Ex ec IIC T3 Gc**
Ex tc IIIB T120°C Dc or Ex tc IIIB T130°C Dc

(12) This certificate is valid till: **31.07.2026**

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 15.10.2021

Page: 1/3
Annex: 1 (4 pages)

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.



**Physical-Technical Testing Institute
Ostrava - Radvanice**

(13)

Schedule

(14)

**Supplementary Type Examination Certificate No. 2
to FTZÚ 18 ATEX 0137**

(15) Description of the variation to the Product:

The subject of this supplementary certificate is:

- Verification of the product according latest requirement of standards EN IEC 60079-0:2018 and EN 60079-7:2015+A1:2018.
- Prolongation of certificate validity.
- Documentation updated.
- Equipment Ex marking is changed from "nA" to "ec" according to EN 60079-7:2015+A1:2018.
- The supplementary certificate verifies following modification of product:
 - o Group II motors can be alternatively equipped with non-metallic fan impeller. Maximum ambient temperature range for the motors with new non-metallic fan impeller is from -30°C to +60°C.
 - o Active parts of 5 motors of efficiency class IE3 were modified. The squirrel cage rotor of these 5 motors is made from die-cast aluminium. For technical parameters see annex to this certificate.
 - o Anti-condensation heater can be switch on immediately after motor is not running. The switch on delay time of 45 minutes is cancelled.
 - o The squirrel cage rotor of 6 pole and 8 pole motors is made from die-cast aluminium with cooper bars. For technical parameters see annex to this certificate.

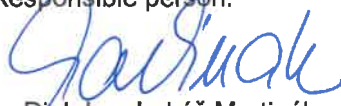
Technical parameters and construction of the products excepting above described modifications remain unchanged.

(16) Report Number: 18/0137/2 dated 14.10.2021

(17) Specific Conditions of Use:

None.

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 15.10.2021

Page: 2/3
Annex: 1 (4 pages)

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.



**Physical-Technical Testing Institute
Ostrava - Radvanice**

(13)

Schedule

(14)

**Supplementary Type Examination Certificate No. 2
to FTZÚ 18 ATEX 0137**


(18) Essential Health and Safety Requirements:

Compliance with the Essential Health and Safety Requirements is covered by standards mentioned in clause (10) of this supplementary certificate.

(19) Drawings and Documents:

Number	Issue	Sheets	Date	Description
--	--	153	--	Installation, Operation & Maintenance Instructions
VH-0002-300821	--	1	14.10.2021	Rating plates – ATEX Motors

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 15.10.2021

Page: 3/3
Annex: 1 (4 pages)

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.



Physical-Technical Testing Institute
Ostrava - Radvanice

ANNEX

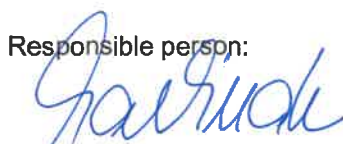
to Supplementary EU - Type Examination Certificate No. 2
to FTZÚ 18 ATEX 0137

Rated parameters of basic versions of electric motors Ex tc IIIB Tx°C Dc:

Type	400 V 50Hz				460 V 60Hz			
	Output [kW]	Current [A]	Speed [min ⁻¹]	Tx	Output [kW]	Current [A]	Speed [min ⁻¹]	Tx
2-pole	(3000 min ⁻¹) IE2				(3600 min ⁻¹)			
1TE15.1-1AA4	3	6,1	2905	120°C	3,45	5,8	3505	120°C
1TE15.1-1BA2	4	7,9	2945		4,55	7,6	3540	
1TE15.1-1CA0	5,5	10,5	2950		6,3	10,2	3550	
1TE15.1-1CA1	7,5	14,1	2950		8,6	13,7	3550	
1TE15.1-1DA2	11	20,5	2955		12,6	19,9	3555	
1TE15.1-1DA3	15	27	2955		17,3	27,0	3555	
1TE15.1-1DA4	18,5	33,5	2955		21,3	33,0	3555	
1TE15.1-1EA2	22	40	2940		24,5	39,0	3540	
1TE15.1-2AA4	30	54	2960		33,5	53,0	3560	
1TE15.1-2AA5	37	66	2960		41,5	64,0	3560	

4-pole	(1500 min ⁻¹) IE2				(1800 min ⁻¹)			
	Output [kW]	Current [A]	Speed [min ⁻¹]	Tx	Output [kW]	Current [A]	Speed [min ⁻¹]	Tx
1TE15.1-1AB4	2,2	4,65	1455	120°C	2,55	4,65	1755	120°C
1TE15.1-1AB5	3	6,2	1455		3,45	6,0	1755	
1TE15.1-1BB2	4	8,2	1460		4,55	8,0	1760	
1TE15.1-1CB0	5,5	11,3	1465		6,3	10,9	1765	
1TE15.1-1CB2	7,5	14,7	1465		8,6	14,5	1765	
1TE15.1-1DB2	11	21	1470		12,6	20,5	1770	
1TE15.1-1DB4	15	28	1475		17,3	27,5	1775	
1TE15.1-1EB2	18,5	35	1465		21,3	34,0	1765	
1TE15.1-1EB4	22	41,5	1465		25,3	40,5	1765	
1TE15.1-2AB5	30	56	1470		34,5	55,0	1770	

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 15.10.2021

Page: 1/4



**Physical-Technical Testing Institute
Ostrava - Radvanice**

ANNEX

**to Supplementary EU - Type Examination Certificate No. 2
to FTZÚ 18 ATEX 0137**

Rated parameters of basic versions of electric motors Ex tc IIIB Tx°C Dc (continue):

Type	400 V 50Hz				460 V 60Hz			
	Output [kW]	Current [A]	Speed [min ⁻¹]	Tx	Output [kW]	Current [A]	Speed [min ⁻¹]	Tx
6-pole	(1000 min ⁻¹) IE2				(1200 min ⁻¹)			
1TE15.1-1AC4	1,5	3,7	970	120°C	1,75	3,45	1170	120°C
1TE15.1-1BC2	2,2	5,2	965		2,55	4,9	1165	
1TE15.1-1CC0	3	7,2	970		3,45	6,9	1170	
1TE15.1-1CC2	4	9,1	970		4,55	8,7	1170	
1TE15.1-1CC3	5,5	12,1	970		6,3	11,6	1170	
1TE15.1-1DC2	7,5	16,8	975		8,6	16,1	1175	
1TE15.1-1DC4	11	23,5	975		12,6	23	1175	
1TE15.1-1EC4	15	31	975		18,0	31,0	1170	
1TE15.1-2AC4	18,5	36	978		22,0	36,5	1175	
1TE15.1-2AC5	22	42,5	978		26,5	43,5	1175	

8-pole	(750 min ⁻¹)				(900 min ⁻¹)			
1TE15.1-1AD4	0,75	2,7	705	120°C	0,86	2,7	855	120°C
1TE15.1-1AD5	1,1	3,45	695	130°C	1,27	3,3	845	
1TE15.1-1BD2	1,5	4,65	725	120°C	1,75	4,25	875	
1TE15.1-1CD0	2,2	6,6	725		2,55	6,2	875	
1TE15.1-1CD2	3	8,7	720		3,45	8,7	870	
1TE15.1-1DD2	4	10,5	730		4,55	10	880	
1TE15.1-1DD3	5,5	14,1	730		6,3	13,8	880	
1TE15.1-1DD4	7,5	18,1	725		8,6	17,4	870	
1TE15.1-1ED4	11	26	720		13,2	25,5	865	
1TE15.1-2AD5	15	32,5	718		18,0	32,5	865	

Responsible person:

Lukáš Martinák
Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 15.10.2021

Page: 2/4



Physical-Technical Testing Institute
Ostrava - Radvanice

ANNEX

to Supplementary EU - Type Examination Certificate No. 2
to FTZÚ 18 ATEX 0137

Rated parameters of basic versions of electric motors Ex tc IIIB Tx°C Dc (continue):

Type	400 V 50Hz				460 V 60Hz			
	Output [kW]	Current [A]	Speed [min ⁻¹]	T _x	Output [kW]	Current [A]	Speed [min ⁻¹]	T _x
2-pole	(3000 min ⁻¹) IE3				(3600 min ⁻¹)			
1TE15.3-1AA4	3,0	5,6	2920	120°C	3,45	5,5	3520	120°C
1TE15.3-1BA2	4,0	7,4	2950		4,55	7,2	3550	
1TE15.3-1CA0	5,5	9,9	2950		6,3	9,7	3545	
1TE15.3-1CA1	7,5	13,1	2950		8,6	13,0	3550	
1TE15.3-1DA2	11,0	20,0	2955		12,6	19,5	3555	
1TE15.3-1DA3	15,0	27,0	2960		17,3	27,0	3560	
1TE15.3-1DA4	18,5	32,0	2955		21,3	32,0	3550	
1TE15.3-1EA2	22,0	38,5	2950		24,5	37,5	3550	
1TE15.3-2AA4	30,0	53,0	2955		33,5	52,0	3555	
1TE15.3-2AA5	37,0	65,0	2955		41,5	63,0	3555	

4-pole	(1500 min ⁻¹) IE3			(1800 min ⁻¹)				
1TE15.3-1AB4	2,2	4,4	1465	120°C	2,55	4,25	1765	120°C
1TE15.3-1AB5	3,0	5,9	1460		3,45	5,8	1755	
1TE15.3-1BB2	4,0	7,9	1460		4,55	7,7	1760	
1TE15.3-1CB0	5,5	10,8	1470		6,3	10,4	1770	
1TE15.3-1CB2	7,5	14,3	1465		8,6	13,8	1765	
1TE15.3-1DB2	11,0	20,5	1475		12,6	20,0	1770	
1TE15.3-1DB4	15,0	28,5	1475		17,3	28,0	1775	
1TE15.3-1EB2	18,5	35,0	1470		21,3	34,5	1770	
1TE15.3-1EB4	22,0	41,0	1470		25,3	41,0	1770	
1TE15.3-2AB5	30,0	55,0	1470		34,5	55	1770	

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 15.10.2021

Page: 3/4

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.

Physical-Technical Testing Institute, s.p., Pikartská 1337/7, 716 07 Ostrava - Radvanice, The Czech Republic,
tel.: +420 595 223 111, +420 604 203 525, ftzu@ftzu.cz, www.ftzu.cz



Physical-Technical Testing Institute
Ostrava - Radvanice

ANNEX

to Supplementary EU - Type Examination Certificate No. 2
to FTZÚ 18 ATEX 0137

Rated parameters of basic versions of electric motors Ex tc IIIB Tx°C Dc (continue):

Type	400 V 50Hz				460 V 60Hz			
	Output [kW]	Current [A]	Speed [min ⁻¹]	Tx	Output [kW]	Current [A]	Speed [min ⁻¹]	Tx
6-pole	(1000 min ⁻¹) IE3				(1200 min ⁻¹)			
1TE15.3-1AC4	1,5	3,6	970	120°C	1,75	3,45	1170	120°C
1TE15.3-1BC2	2,2	5	970		2,55	4,9	1170	
1TE15.3-1CC0	3,0	6,9	975		3,45	6,5	1175	
1TE15.3-1CC2	4,0	9,1	975		4,55	8,6	1175	
1TE15.3-1CC3	5,5	12,5	975		6,3	11,9	1175	
1TE15.3-1DC2	7,5	15	985		8,6	14,5	1185	
1TE15.3-1DC4	11,0	22,0	980		12,6	21,5	1180	
1TE15.3-1EC4	15,0	29,5	975		18,0	30,5	1170	
1TE15.3-2AC4	18,5	37,0	978		22,0	37,5	1175	
1TE15.3-2AC5	22,0	43,5	978		26,5	44,0	1175	

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 15.10.2021

Page: 4/4