



(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 0138

(4) Product: **Three-Phase Asynchronous Motor type:
1TE1521-..., 1TE1523-..., 1TE1621-..., 1TE1623-...,
1TE1531-..., 1TE1533-..., 1TE1631-..., 1TE1633-...,
Frame size: -2B..., -2C..., -2D..., -3A... (225 to 315)**

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

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

(7) This supplementary certificate extends Type Examination Certificate No. FTZÚ 18 ATEX 0138 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.

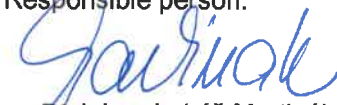
(11) The marking of the product shall include the following:

 **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

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Annex: 1 (3 pages)

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

(13)

Schedule

(14)

**Supplementary Type Examination Certificate No. 2
to FTZÚ 18 ATEX 0138**

(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.
- Equipment Ex marking is changed from "nA" to "ec" according to EN 60079-7:2015+A1:2018.
- Modification of fan hood.
- Modification of the motors: nominal cut of temperature of built-in PTC sensors is alternatively 155°C.
- New type of anti-condensation heating is alternatively used.
- New type of bearing sensor is alternatively used for motors with "ec" type of protection.
- New power deratings factors for operation with frequency converter are verified.
- 8 pole motors with efficiency class IE3 are added.
- Documentation updated.
- verification of the product's modification:
 - 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 Alternative material for insulating of the bearing can be used.
 - o Mains supplied motors can be designed with reduced starting current 700% or 600% Ia/In.
 - o Active parts of 4 motors of efficiency class IE3 were modified. See technical parameters below:

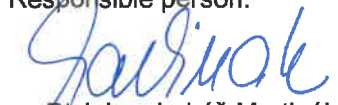
Technical parameters of modified motors of efficiency class IE3:

Type	400 V 50 Hz				460 V 60 Hz			
	Output [kW]	Current [A]	Speed [min ⁻¹]	"ec": T3 "tc": Tx	Output [kW]	Current [A]	Speed [min ⁻¹]	"ec": T3 "tc": Tx
4-poles	(1500 min ⁻¹)				(1800 min ⁻¹)			
1TE15.3-2BB2	45	80	1478	120 °C	52	81	1778	120 °C

Type	400 V 50 Hz				460 V 60 Hz			
	Output [kW]	Current [A]	Speed [min ⁻¹]	"ec": T3 "tc": Tx	Output [kW]	Current [A]	Speed [min ⁻¹]	"ec": T3 "tc": Tx
6-poles	(1000 min ⁻¹)				(1200 min ⁻¹)			
1TE15.3-2DC2	55	99	988	120 °C	66	102	1186	120 °C
1TE15.3-3AC5	132	245	992		158	250	1191	
1TE15.3-3AC6	160	295	992		192	300	1191	

Technical parameters and construction of the motors described in basic certificate excepting above described modifications remain unchanged.

Responsible person:


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Head of Certification Body



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Ostrava - Radvanice**

(13)

Schedule

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**Supplementary Type Examination Certificate No. 2
to FTZÚ 18 ATEX 0138**

(16) Report Number: 18/0138/2 dated 14.10.2021

(17) Specific Conditions of Use:

None.


(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

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Physical-Technical Testing Institute
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ANNEX

to Supplementary EU - Type Examination Certificate No. 2
to FTZÚ 18 ATEX 0138

Rated parameters of basic versions of electric motors Ex ec IIC T3 Gc, Ex tc IIIB Tx°C Dc:

Type	400 V 50Hz				460 V 60Hz			
	Output [kW]	Current [A]	Speed [min ⁻¹]	"ec": T3 "tc": Tx	Output [kW]	Current [A]	Speed [min ⁻¹]	"ec": T3 "tc": Tx
2-pole	(3000 min ⁻¹) IE2				(3600 min ⁻¹)			
1TE15.1-2BA2	45	79	2965	120°C	51	78	3565	120°C
1TE15.1-2CA2	55	97	2970		62	94	3570	
1TE15.1-2DA0	75	134	2978		84	128	3578	
1TE15.1-2DA2	90	157	2975		101	151	3575	
1TE15.1-3AA0	110	187	2982		123	182	3582	
1TE15.1-3AA2	132	220	2982		148	215	3582	
1TE15.1-3AA4	160	265	2982		180	255	3580	
1TE15.1-3AA5	200	330	2982		224	320	3580	

4-pole	(1500 min ⁻¹) IE2				(1800 min ⁻¹)			
	Output [kW]	Current [A]	Speed [min ⁻¹]	"ec": T3 "tc": Tx	Output [kW]	Current [A]	Speed [min ⁻¹]	"ec": T3 "tc": Tx
1TE15.1-2BB0	37	65	1470	120°C	42,5	65	1770	120°C
1TE15.1-2BB2	45	80	1475		52	80	1775	
1TE15.1-2CB2	55	100	1480		63	99	1780	
1TE15.1-2DB0	75	132	1485		86	130	1785	
1TE15.1-2DB2	90	159	1486		104	158	1785	
1TE15.1-3AB0	110	195	1490		127	195	1788	
1TE15.1-3AB2	132	230	1490		152	230	1788	
1TE15.1-3AB4	160	280	1490		184	275	1788	
1TE15.1-3AB5	200	350	1490		230	350	1790	

6-pole	(1000 min ⁻¹) IE2				(1200 min ⁻¹)			
	Output [kW]	Current [A]	Speed [min ⁻¹]	"ec": T3 "tc": Tx	Output [kW]	Current [A]	Speed [min ⁻¹]	"ec": T3 "tc": Tx
1TE15.1-2BC2	30	57	980	120°C	36	59	1175	120°C
1TE15.1-2CC2	37	70	982		44,5	73	1180	
1TE15.1-2DC0	45	83	985		54	87	1185	
1TE15.1-2DC2	55	99	985		66	104	1185	
1TE15.1-3AC0	75	138	988		90	143	1186	
1TE15.1-3AC2	90	165	988		108	168	1186	
1TE15.1-3AC4	110	196	988		132	205	1186	
1TE15.1-3AC5	132	235	988		158	240	1188	
1TE15.1-3AC6	160	285	988		192	290	1188	

Responsible person:


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ANNEX

**to Supplementary EU - Type Examination Certificate No. 2
to FTZÚ 18 ATEX 0138**

Rated parameters of basic versions of electric motors Ex ec IIC T3 Gc, Ex tc IIIB Tx°C Dc:

Type	400 V 50Hz				460 V 60Hz			
	Output [kW]	Current [A]	Speed [min ⁻¹]	"ec": T3 "tc": Tx	Output [kW]	Current [A]	Speed [min ⁻¹]	"ec": T3 "tc": Tx
8-pole	(750 min ⁻¹) IE2				(900 min ⁻¹)			
1TE15.1-2BD0	18,5	38,5	730	120°C	22	38,5	880	120°C
1TE15.1-2BD2	22	44	730		26,5	45	880	
1TE15.1-2CD2	30	59	732		36	60	880	
1TE15.1-2DD0	37	75	736		44,5	76	885	
1TE15.1-2DD2	45	89	738		54	91	885	
1TE15.1-3AD0	55	107	740		66	110	890	
1TE15.1-3AD2	75	143	738		90	147	888	
1TE15.1-3AD4	90	167	740		108	174	890	
1TE15.1-3AD5	110	205	740	132	215	888	130°C	
1TE15.1-3AD6	132	250	740	158	255	888		

2-pole	(3000 min ⁻¹) IE3			(3600 min ⁻¹)			
	Output [kW]	Current [A]	Speed [min ⁻¹]	Output [kW]	Current [A]	Speed [min ⁻¹]	"ec": T3 "tc": Tx
1TE15.3-2BA2	45	78	2960	51	77	3560	120°C
1TE15.3-2CA2	55	95	2975	62	92	3575	
1TE15.3-2DA0	75	128	2975	84	125	3575	
1TE15.3-2DA2	90	152	2975	101	149	3575	
1TE15.3-3AA0	110	183	2982	123	179	3582	
1TE15.3-3AA2	132	220	2982	148	215	3582	
1TE15.3-3AA4	160	265	2982	180	255	3582	
1TE15.3-3AA5	200	330	2982	224	320	3582	

4-pole	(1500 min ⁻¹) IE3			(1800 min ⁻¹)			
	Output [kW]	Current [A]	Speed [min ⁻¹]	Output [kW]	Current [A]	Speed [min ⁻¹]	"ec": T3 "tc": Tx
1TE15.3-2BB0	37	66	1478	42,5	66	1778	120°C
1TE15.3-2BB2	45	80	1478	52	81	1778	
1TE15.3-2CB2	55	96	1482	63	97	1782	
1TE15.3-2DB0	75	133	1485	86	131	1785	
1TE15.3-2DB2	90	157	1485	104	158	1785	
1TE15.3-3AB0	110	191	1488	127	191	1788	
1TE15.3-3AB2	132	230	1490	152	225	1788	
1TE15.3-3AB4	160	275	1490	184	275	1788	
1TE15.3-3AB5	200	340	1488	230	345	1788	

Responsible person:

Lukáš Martinák
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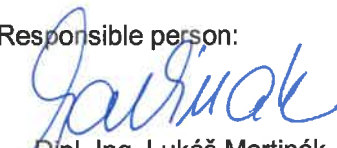
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	Output [kW]	Current [A]	Speed [min ⁻¹]	"ec": T3 "tc": Tx	Output [kW]	Current [A]	Speed [min ⁻¹]	"ec": T3 "tc": Tx
6-pole	(1000 min ⁻¹) IE3				(1200 min ⁻¹)			
1TE15.3-2BC2	30	56	982	120°C	36	58	1180	120°C
1TE15.3-2CC2	37	67	985		44,5	70	1182	
1TE15.3-2DC0	45	82	988		54	84	1186	
1TE15.3-2DC2	55	99	988		66	102	1186	
1TE15.3-3AC0	75	136	990		90	142	1190	
1TE15.3-3AC2	90	161	991		108	170	1190	
1TE15.3-3AC4	110	199	991		132	205	1190	
1TE15.3-3AC5	132	245	992		158	250	1191	
1TE15.3-3AC6	160	295	992		192	300	1191	

8-pole	(750 min ⁻¹) IE3				(900 min ⁻¹)			
1TE15.3-2BD0	18,5	40	732	120°C	22	39,5	882	120°C
1TE15.3-2BD2	22	46	732		26,5	46	882	
1TE15.3-2CD2	30	60	735		36	61	882	
1TE15.3-2DD0	37	75	736		44,5	76	885	
1TE15.3-2DD2	45	88	738		54	90	886	
1TE15.3-3AD0	55	106	740		66	108	888	
1TE15.3-3AD2	75	144	738		90	146	888	
1TE15.3-3AD4	90	168	740		108	174	890	
1TE15.3-3AD5	110	205	740		132	210	888	
1TE15.3-3AD6	132	250	740	130°C	158	255	888	130°C

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