



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

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

(3) EU - Type Examination Certificate number:

FTZÚ 18 ATEX 0135

(4) Product: **Three-phase asynchronous motors types:
1TE1511-..., 1TE1513-..., 1TE1611-..., 1TE1613-...
frame size: -2B..., -2C..., -2D..., -3A... (225 to 315)**

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

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

(7) This supplementary certificate extends EU - Type Examination Certificate No. FTZÚ 18 ATEX 0135 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, Notified Body number 1026, in accordance with Articles 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26.02.2014, 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.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN IEC 60079-0:2018, 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 2D Ex tb IIIC T120°C Db or Ex tb IIIC T130°C Db**

(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: 1/2

Annex: 1 (3 pages)

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

(13)

Schedule

(14) **Supplementary EU - Type Examination Certificate No. 2
to FTZÚ 18 ATEX 0135**

(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;
- prolongation of certificate validity;
- verification of the product's modification, see below:
 - a) nominal cut off temperature of built-in PTC sensors is alternatively 155 °C;
 - b) modification of fan hood;
 - c) new type of anti-condensation heating is alternatively used;
 - d) new power deratings factors for operation with frequency converter are verified;
 - e) 8 pole motors with efficiency class IE3 are added;
 - f) documentation is updated.

Technical parameters and construction of the motors described in basic certificate and supplements No. 1 excepting above described modifications remain unchanged.

(16) Report Number: 18/0135/2 dated 14.10.2021

(17) Specific Conditions of Use:

None.

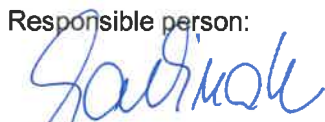
(18) Essential Health and Safety Requirements:

Compliance with the Essential Health and Safety Requirements is covered by standards mentioned in clause (9) 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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Head of Certification Body



Date of issue: 15.10.2021

Page: 2/2

Annex: 1 (3 pages)

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Physical-Technical Testing Institute
Ostrava - Radvanice

ANNEX

**to Supplementary EU - Type Examination Certificate No. 2
to FTZÚ 18 ATEX 0135**

Rated parameters of basic versions of electric motors Ex tb IIIC Tx°C Db:

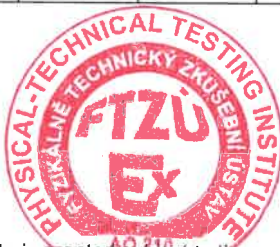
| Type | 400 V 50Hz | | | | 460 V 60Hz | | | |
|-------------|-------------------------------|-------------|----------------------------|-------|---------------------------|-------------|----------------------------|-------|
| | Output [kW] | Current [A] | Speed [min ⁻¹] | Tx | Output [kW] | Current [A] | Speed [min ⁻¹] | Tx |
| 2-pole | (3000 min ⁻¹) IE2 | | | | (3600 min ⁻¹) | | | |
| 1TE1511-2BA | 45 | 79 | 2965 | 120°C | 51 | 78 | 3565 | 120°C |
| 1TE1511-2CA | 55 | 97 | 2970 | | 62 | 94 | 3570 | |
| 1TE1511-2DA | 75 | 134 | 2978 | | 84 | 128 | 3578 | |
| 1TE1511-2DA | 90 | 157 | 2975 | | 101 | 151 | 3575 | |
| 1TE1511-3AA | 110 | 187 | 2982 | | 123 | 182 | 3582 | |
| 1TE1511-3AA | 132 | 220 | 2982 | | 148 | 215 | 3582 | |
| 1TE1511-3AA | 160 | 265 | 2982 | | 180 | 255 | 3580 | |
| 1TE1511-3AA | 200 | 330 | 2982 | | 224 | 320 | 3580 | |

| 4-pole | (1500 min ⁻¹) IE2 | | | (1800 min ⁻¹) | | | | |
|-------------|-------------------------------|-----|------|---------------------------|------|------|------|-------|
| 1TE1511-2BB | 37 | 65 | 1470 | 120°C | 42,5 | 65 | 1770 | 120°C |
| 1TE1511-2BB | 45 | 80 | 1475 | | 52 | 80 | 1775 | |
| 1TE1511-2CB | 55 | 100 | 1480 | | 63 | 99 | 1780 | |
| 1TE1511-2DB | 75 | 132 | 1485 | | 86 | 130 | 1785 | |
| 1TE1511-2DB | 90 | 159 | 1486 | | 104 | 158 | 1785 | |
| 1TE1511-3AB | 110 | 195 | 1490 | | 127 | 195 | 1788 | |
| 1TE1511-3AB | 132 | 230 | 1490 | | 152 | 230 | 1788 | |
| 1TE1511-3AB | 160 | 280 | 1490 | | 184 | 275 | 1788 | |
| 1TE1511-3AB | 200 | 350 | 1490 | 230 | 350 | 1790 | | |

| 6-pole | (1000 min ⁻¹) IE2 | | | (1200 min ⁻¹) | | | | |
|-------------|-------------------------------|-----|-----|---------------------------|------|------|------|-------|
| 1TE1511-2BC | 30 | 57 | 980 | 120°C | 36 | 59 | 1175 | 120°C |
| 1TE1511-2CC | 37 | 70 | 982 | | 44,5 | 73 | 1180 | |
| 1TE1511-2DC | 45 | 83 | 985 | | 54 | 87 | 1185 | |
| 1TE1511-2DC | 55 | 99 | 985 | | 66 | 104 | 1185 | |
| 1TE1511-3AC | 75 | 138 | 988 | | 90 | 143 | 1186 | |
| 1TE1511-3AC | 90 | 165 | 988 | | 108 | 168 | 1186 | |
| 1TE1511-3AC | 110 | 196 | 988 | | 132 | 205 | 1186 | |
| 1TE1511-3AC | 132 | 235 | 988 | | 158 | 240 | 1188 | |
| 1TE1511-3AC | 160 | 285 | 988 | 192 | 290 | 1188 | | |

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



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Page: 1/3

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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 0135**

Rated parameters of basic versions of electric motors Ex tb IIIC Tx°C Db (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 |
| 8-pole | (750 min ⁻¹) IE2 | | | | (900 min ⁻¹) | | | |
| 1TE1511-2BD | 18,5 | 38,5 | 730 | 120°C | 22 | 38,5 | 880 | 120°C |
| 1TE1511-2BD | 22 | 44 | 730 | | 26,5 | 45 | 880 | |
| 1TE1511-2CD | 30 | 59 | 732 | | 36 | 60 | 880 | |
| 1TE1511-2DD | 37 | 75 | 736 | | 44,5 | 76 | 885 | |
| 1TE1511-2DD | 45 | 89 | 738 | | 54 | 91 | 885 | |
| 1TE1511-3AD | 55 | 107 | 740 | | 66 | 110 | 890 | |
| 1TE1511-3AD | 75 | 143 | 738 | | 90 | 147 | 888 | |
| 1TE1511-3AD | 90 | 167 | 740 | | 108 | 174 | 890 | |
| 1TE1511-3AD | 110 | 205 | 740 | 132 | 215 | 888 | 130°C | |
| 1TE1511-3AD | 132 | 250 | 740 | 158 | 255 | 888 | | |

| 2-pole | (3000 min ⁻¹) IE3 | | | (3600 min ⁻¹) | | | | |
|-------------|-------------------------------|-----|------|---------------------------|-----|-----|------|-------|
| 1TE1513-2BA | 45 | 78 | 2960 | 120°C | 51 | 77 | 3560 | 120°C |
| 1TE1513-2CA | 55 | 95 | 2975 | | 62 | 92 | 3575 | |
| 1TE1513-2DA | 75 | 128 | 2975 | | 84 | 125 | 3575 | |
| 1TE1513-2DA | 90 | 152 | 2975 | | 101 | 149 | 3575 | |
| 1TE1513-3AA | 110 | 183 | 2982 | | 123 | 179 | 3582 | |
| 1TE1513-3AA | 132 | 220 | 2982 | | 148 | 215 | 3582 | |
| 1TE1513-3AA | 160 | 265 | 2982 | | 180 | 255 | 3582 | |
| 1TE1513-3AA | 200 | 330 | 2982 | | 224 | 320 | 3582 | |

| 4-pole | (1500 min ⁻¹) IE3 | | | (1800 min ⁻¹) | | | | |
|-------------|-------------------------------|-----|------|---------------------------|------|-----|------|-------|
| 1TE1513-2BB | 37 | 66 | 1478 | 120°C | 42,5 | 66 | 1778 | 120°C |
| 1TE1513-2BB | 45 | 80 | 1478 | | 52 | 81 | 1778 | |
| 1TE1513-2CB | 55 | 96 | 1482 | | 63 | 97 | 1782 | |
| 1TE1513-2DB | 75 | 133 | 1485 | | 86 | 131 | 1785 | |
| 1TE1513-2DB | 90 | 157 | 1485 | | 104 | 158 | 1785 | |
| 1TE1513-3AB | 110 | 191 | 1488 | | 127 | 191 | 1788 | |
| 1TE1513-3AB | 132 | 230 | 1490 | | 152 | 225 | 1788 | |
| 1TE1513-3AB | 160 | 275 | 1490 | | 184 | 275 | 1788 | |
| 1TE1513-3AB | 200 | 340 | 1488 | | 230 | 345 | 1788 | |

Responsible person:

Gouřňok
Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 15.10.2021

Page: 2/3

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**Physical-Technical Testing Institute
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ANNEX

**to Supplementary EU - Type Examination Certificate No. 2
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Rated parameters of basic versions of electric motors Ex tb IIIC Tx°C Db (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) | | | |
| 1TE1513-2BC | 30 | 56 | 982 | 120°C | 36 | 58 | 1180 | 120°C |
| 1TE1513-2CC | 37 | 67 | 985 | | 44,5 | 70 | 1182 | |
| 1TE1513-2DC | 45 | 82 | 988 | | 54 | 84 | 1186 | |
| 1TE1513-2DC | 55 | 99 | 988 | | 66 | 102 | 1186 | |
| 1TE1513-3AC | 75 | 136 | 990 | | 90 | 142 | 1190 | |
| 1TE1513-3AC | 90 | 161 | 991 | | 108 | 170 | 1190 | |
| 1TE1513-3AC | 110 | 199 | 991 | | 132 | 205 | 1190 | |
| 1TE1513-3AC | 132 | 245 | 992 | | 158 | 250 | 1191 | |
| 1TE1513-3AC | 160 | 295 | 992 | | 192 | 300 | 1191 | |

| 8-pole | (750 min ⁻¹) IE3 | | | (900 min ⁻¹) | | | | |
|-------------|------------------------------|-----|-----|--------------------------|------|------|-----|-------|
| 1TE1513-2BD | 18,5 | 40 | 732 | 120°C | 22 | 39,5 | 882 | 120°C |
| 1TE1513-2BD | 22 | 46 | 732 | | 26,5 | 46 | 882 | |
| 1TE1513-2CD | 30 | 60 | 735 | | 36 | 61 | 882 | |
| 1TE1513-2DD | 37 | 75 | 736 | | 44,5 | 76 | 885 | |
| 1TE1513-2DD | 45 | 88 | 738 | | 54 | 90 | 886 | |
| 1TE1513-3AD | 55 | 106 | 740 | | 66 | 108 | 888 | |
| 1TE1513-3AD | 75 | 144 | 738 | | 90 | 146 | 888 | |
| 1TE1513-3AD | 90 | 168 | 740 | | 108 | 174 | 890 | |
| 1TE1513-3AD | 110 | 205 | 740 | | 132 | 210 | 888 | |
| 1TE1513-3AD | 132 | 250 | 740 | 130°C | 158 | 255 | 888 | 130°C |

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Date of issue: 15.10.2021

Page: 3/3

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



30. 08. 2021 / 539

Ing. Střešovský

Physical Technical Testing Institute, Ostrava-Radvanice

National testing authority, Notified body No. 1026

APPLICATION FOR CERTIFICATION

Application for conformity assessment of equipment or protective system intended for use in potentially explosive atmospheres.

1. Applicant:

Name of company: Van Houcke NV

Authorized representative: Jaroslav Hodek

Address: Vlamingveld 32, 8490 Jabbeke, Belgium VAT No: BE0423055206

Phone: +32 (0) 50 250490 Fax: +32 (0) 50 250499

E-mail: mez@vanhoucke.be

PŘEZKOUMAL: *Střešovský*

DATUM: *30.08.2021*

PODPIS: *J. Hodek*

2. Manufacturer (if different from the applicant) :

Name of company: Siemens AG

Address: PD LD P R&D 2 3 2, Vogelweiherstr. 1-15, 90411 Nürnberg, Germany

Phone: +49 (1520) 1648945 Fax: n/a

E-mail: dirk.arnold@siemens.com

3. Name of equipment or protective system and type marking:

1TE1511-..., 1TE1513-..., 1TE1611-..., 1TE1613-...,
frame size: -2B..., -2C..., -2D..., -3A... (225-315)
(FTZU 18 ATEX 0135)

4. Type of conformity assessment: ~~Brand labelling transfer of certification~~/extension of certificate

5. If the conformity assessment [certification] of equipment or protective system is required indicate:

(a) list of harmonized or other standards: EN60079-0, EN60079-31

(b) group of equipment, category, explosion group, temperature class, ambient temperature etc., which is relevant: EX II 2D Ex tb IIIC T120°C Db or EX II 2D Ex tb IIIC T130°C Db [Zone21]

(c) selected modules for conformity assessment [according to 2014/34/EU Directive]:

6. If the extension of certificate is required, state the original number of certificate: n/a

7. Enclosed documents and/or samples [drawings, calculation, test reports/test results, material sheets etc.]: n/a

8. Technical description [enclosed]: n/a

9. Obtained certificates for equipment or protective system and/or quality assurance notification:

EX II 2D Ex tb IIIC T120°C Db or EX II 2D Ex tb IIIC T130°C Db

1TE1511-..., 1TE1513-..., 1TE1611-..., 1TE1613-...,

frame size: -2B..., -2C..., -2D..., -3A... (225-315) (FTZU 18 ATEX 0135)

* PURCHASE ORDER *

VAN HOUCKE NV

Van Houcke NV
Vlamingveld 32
8490 Jabbeke
Belgium

Our Ref No. 210830

Date: 30/08/2021

Telephone: +32 (0) 50 250490

Email: mez@vanhoucke.be

Order to

FTZU-Physical-Technical Testing Institute s.p.
Pikartska 7
716 07 Ostrava - Radvanice
Czech Republic

Suppliers Acc FTZU ref. email 30/08/2021/Stresovsky

| Product | Description | Q-ty | Curr | Unit price | Total |
|---------|--|------|------|------------|----------|
| ATEX | Amendment ATEX certificate (Zone21, Zone2, Zone22) 1TE1.. 71-315 cast iron frame | 6 | EUR | 720.00 | 4,320.00 |
| IECEX | Amendment IECEX certificate (Zone21, Zone2, Zone22) 1TE1.. 71-315 cast iron frame | 6 | EUR | 720.00 | 4,320.00 |
| REGIST | IECEX registration fee 6x CHF 125.00 (EUR 120.00) | 6 | EUR | 120.00 | 720.00 |

VAT No. BE0423055206

| | | |
|-----------------|-----|----------|
| Nett Total | EUR | 9,360.00 |
| VAT | EUR | 0.00 |
| Total incl. VAT | EUR | 9,360.00 |

All orders supplied to Van Houcke must be according to ISO 9001:2008 if accredited.
Please send an Order Confirmation to us as soon as possible !!