

## CONFORMITY CERTIFICATE

No. 181299360

Manufacturer: **Joint Stock Company "Novomet-Perm"**  
**395, Shosse Kosmonavtov, Perm, Perm region, 614065**  
**Russia**

Product: **Permanent Magnet Motor**

Type: **N319PM series**  
**N406PM series**  
**N460PM series**  
**and their variations**

Specification: **product variations are specified on the reverse side of the certificate**

This conformity certificate confirms the conformity of the product with essential safety requirements of the following EU New Approach Directives as amended:

**2014/35/EU Low Voltage Directive**

European harmonized standards used for the conformity assessment:

**EN 60034-1:2010/AC:2010**  
**EN 60034-5:2001/A1:2007**  
**EN 60034-8:2007/A1:2014**


The certificate has been issued on the basis of the tests of the product type sample. The results are recorded in the Conformity assessment report No. 180500299/4 dated 14.12.2018



mark can be used only in the case of conformity assessment according to all relevant EU Directives

Issue date: 17.12.2018  
Expiry date: 16.12.2021  
Issue 1



  
Ing. Dušan HANKO  
Head of Product Certification Body

TSU Piešťany, š.p. is EU Notified Body number 1299

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**Specification product variations:**

<b>N</b>	<b>xxx</b>	<b>PM</b>	<b>xxx</b>	<b>xxxxV</b>	<b>xxxxRPM</b>	<b>xxxN-M</b>	<b>xxx</b>	<b>xxx</b>	<b>xxx</b>	<b>HRZ</b>	<b>NDSx</b>
1	2	3	4	5	6	7	8	9	10	11	12

Where:

1. Manufacturer: **N (Novomet)**
2. Series: **319, 406, 460**
3. Permanent Magnet motor: **PM**
4. Power, hp (at 150Hz): **32 to 63** (at rated rotation frequency)  
Power, kW (at 150Hz): **24 to 47** (at rated rotation frequency)
5. Voltage, V (at 150Hz): **770 to 970** (at rated rotation frequency)
6. Rated rotation frequency, rpm: **500 to 6000**
7. Torque, N-m: (only for 500 and 1000 rpm in N460PM series)
8. Single and tandem motors: **SGL** –Single motor, **DBL** – Double motor, **TRP** – Triple motor
9. Corrosion resistance: **CR0, CR2C, CR2S, CRM, CRMS, CR3, UCR**
10. Heat resistance: **MT, HT, UHT, HHT**
11. Design modification: **HRZ** – for horizontal operation, if applicable
12. Type of Downhole Sensor: **NDS1, NDS2, NDS3**, if applicable

**This certificate is issued under the following conditions:**

1. The certificate applies to the product type and its variations specified in the above mentioned Conformity Assessment report
2. The production process/factory production control is not covered by this certificate.
3. The certificate does not imply that the certification body has performed any surveillance or control of the production process.
4. The manufacturer shall ensure the conformity of subsequent production items with the certified type.
5. Changes that may affect the conformity with the certification requirements may make the continuation of the certificate validity dependent on the evidence as for the observance of requirements under which the certificate has been awarded, or on an additional evaluation.
6. The holder of this certificate must keep the conditions specified in the General Rules for Product Certification, which are freely available at [www.tsu.eu](http://www.tsu.eu)

