

CERTIFICATE

No. 0056/104/2018

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
N512PM series
N744PM series
and their variations

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

This certificate confirms the compliance of the product type characteristics with the technical requirements given in standard:

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 180500299/3 dated 14.12.2018.

Issue date: 17.12.2018

Expiry date: 16.12.2021

Issue 1




Ing. Dušan HANKO
Head of Product Certification

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

109896

Specification product variations:

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

Where:

1. Manufacturer: **N (Novomet)**
2. Series: **319, 406, 460, 512, 744**
3. Permanent Magnet motor: **PM**
4. Power, hp (at 200Hz): **43 to 1286** (at rated rotation frequency)
Power, hp (at 150Hz): **32 to 467** (at rated rotation frequency)
Power, hp (at 120Hz): **96 to 1286** (at rated rotation frequency)
Power, hp (at 100Hz): **80 to 1072** (at rated rotation frequency)
Power, kW (at 200Hz): **32 to 465** (at rated rotation frequency)
Power, kW (at 150Hz): **24 to 349** (at rated rotation frequency)
Power, kW (at 120Hz): **72 to 960** (at rated rotation frequency)
Power, kW (at 100Hz): **60 to 800** (at rated rotation frequency)
5. Voltage, V (at 200Hz): **1010 to 4070** (at rated rotation frequency)
Voltage, V (at 150Hz): **1090 to 3100** (at rated rotation frequency)
Voltage, V (at 200Hz): **2200 to 4720** (at rated rotation frequency)
Voltage, V (at 200Hz): **1850 to 3950** (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

