

CERTIFICATE

No. 0035/104/2015

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:


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

EN 60034-5:2001/A1:2007

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 150500174/3 dated 09. 12. 2015.

Issue date: 18. 12. 2015
Expiry date: 17. 12. 2018
Issue: 1




Ing. Dušan HANKO
Head of Product Certification Body

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 only to the product type submitted to the tests specified in the report referenced above and its variations.
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.



075529