

[1] **ATTESTAZIONE DI CONFORMITÀ / STATEMENT OF CONFORMITY**

[2] *Direttiva 2014/34/UE del Parlamento Europeo e del Consiglio del 26 febbraio 2014*
directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014

[3] *Numero di dichiarazione di conformità / conformity statement number:*

ConformEx 25 ATEX 0003-01-A/25 X (Rev 00)

[4] *Prodotto / Product:* **Three-phase Asynchronous electrical motors**

[5] *Tipo/i o serie/ Type(s) or Series:* Refer to part 19 of the statement

[6] *Produttore / Manufacturer:* **OME S.r.l.**

[7] *Sede Legale / Registered address:* **via Camillo Golgi 8 - 25064 GUSSAGO (BS) - Italia**

[8] *Indirizzo del sito di produzione / Manufacturing site address:* **via Mattei 251-253 - 25080 NUVOLERA (BS)- Italia**

[9] *Questo prodotto e qualsiasi variazione accettabile dello stesso sono specificati nell'allegato al presente dichiarazione e nei documenti a cui si fa riferimento / This product and any acceptable variation thereto is specified in the schedule to this statement and the documents therein referred to.*

[10] *NOBEL CERTIFICATION Italia (ConformEx), su base volontaria, certifica che questo prodotto di categoria 3 della direttiva ATEX è stato ritenuto conforme ai Requisiti Essenziali di Salute e Sicurezza relativi alla progettazione e alla costruzione di prodotti destinati all'uso in atmosfere potenzialmente esplosive, indicati nell'Allegato II della direttiva 2014/34/UE.*

NOBEL CERTIFICATION Italia (ConformEx), based on a voluntary basis, certifies that this category 3 product of ATEX directive 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.

L'esame e i risultati delle prove sono registrati nel Rapporto confidenziale N. / The examination and test results are recorded in the confidential Report No. 0003-01-A/25 (60079-0, 60079-7, 60079-31)

[11] *La conformità ai Requisiti Essenziali di Salute e Sicurezza è stata assicurato mediante il rispetto di*
compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN IEC 60079-0: 2018, EN 60079-7:2015, EN 60079-31:2014

Nel caso in cui siano stati utilizzati criteri aggiuntivi oltre a quelli qui indicati, essi sono elencati al punto 22 dell'allegato
Where additional criteria beyond those given here have been used, they are listed at item 22 in the schedule.

[12] *Se il segno "X" è posto dopo il numero di dichiarazione, ciò indica che il prodotto è soggetto alle Condizioni d'uso specifiche" elencate al punto 17 della presente dichiarazione / If the sign "X" is placed after the statement number, it indicates that the product is subject to the "Specific Conditions of Use" listed under item 17 of this statement.*

[13] *la presente Attestazione di conformità si riferisce esclusivamente alla progettazione, all'esame e alle prove dell'apparecchiatura specificata in conformità alla Direttiva 2014/34/UE. Ulteriori requisiti della Direttiva si applicano al processo di fabbricazione e alla fornitura di questa apparecchiatura, non coperti dal questa dichiarazione.*

This statement of conformity relates only to the design, examination and tests of the specified equipment in accordance to the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this equipment which are not covered by this statement.

[14] *La marcatura del prodotto deve includere quanto segue*

the marking of the product shall include the following:



II 3G Ex ec IIC T4 Gc

II 3D Ex tc IIIC T135°C Dc

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[15] Questa dichiarazione include 07 pagine come allegato e può essere riprodotto solo integralmente e senza alcuna modifica / This statement includes 07 pages as annex and may only be reproduced in its entirety and without any change.

[16] L'originalità e la validità della presente notifica potranno essere verificate sul sito ufficiale di NOBEL CERTIFICATION Italia (ConformEx) tramite questo link / originality and validity of this notification could be checked on official website of NOBEL CERTIFICATION Italia (ConformEx) via this link <https://conformex.it/certificate/verification>.

Numero di emissione / Issue No.	00
Data di emissione attuale / Current Issue date	10/07/2025
Data della prima emissione / First issue date	10/07/2025

Firma autorizzata
authorized signature
Peyman Moradi
direttore generale
managing director



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[19] *La descrizione del prodotto oggetto della presente dichiarazione e tipo(i) o serie rilevante(i)*
Description of the product subject to this statement and relevant type(s) or series:

The three-phase asynchronous motors types OM1-2-3-4, OMAAC, OMADC, OMUL, OMM1, OMM2, OMEX, OMDS sizes 56,71,80,90,100,112,132,160 mm is made of aluminum alloy material enclosures, terminal boxes and shields.

The three-phase asynchronous motors types OM1-2-3-4, OMAAC, OMADC, OMUL, OMM1, OMM2, OMUL, OMEX, OMDS sizes 160, 180, 200, 225, 250, 280, 315, 355, 400, 450 mm are made of cast iron material enclosures, terminal boxes and shields.

Motor enclosures and terminal boxes are designed in Ex ec type of protection. The motor and the box enclosures satisfy also the Ex tc type of protection, mechanical protection degree IP65.

The motors can be equipped with auxiliary devices separately certified: encoders and motor-fan for ventilation.

The motor supplied by inverter is equipped inside of stator winding with PTC or PT100 thermal detectors for temperature control. Rating data are specified on supplementary nameplate and safety instruction.

According to IEC 60034-6, the cooling is achieved by one of the following methods:

- Self-cooled motor by fan fitted on shaft, IC411;
- Fan directly coupled, IC418;
- Totally enclosed not ventilated, IC410;
- Forced ventilation by means of auxiliary motor, IC416.

The operation of the primary motor shall be interlocked to the correct operation of the forced ventilation.

The accessories used for cable entry and for the unused holes shall be separately certified according to the applicable type of protection and shall guarantee the minimum degree of protection.

Type identification structure

*	*	*	*	*	*	Pos. 1: Motor series
						Pos. 2: Motor size
						Pos. 3: Frame length
						Pos. 4: Stator core length
						Pos. 5: Polarity number
						Pos. 6: Mounting arrangements

Pos. 1: Motor series

ID of motor series	Motor type, material and polarity
OM1-2-3-4	Three phase motor aluminum alloy and cast-iron frames POLES 2/4/6/8/10
OMAAC	Three phase motor aluminum alloy and cast-iron frames POLES 2/4/6/8/10
OMADC	Three phase motor aluminum alloy and cast-iron frames POLES 2/4/6/8/10
OMUL	Three phase motor aluminum alloy and cast-iron frames POLES 2/4/6/8
OMM1	Three phase motor aluminum alloy and cast-iron frames POLES 2/4/6
OMM2	Three phase motor aluminum alloy and cast-iron frames POLES 2/4/6
OMEX	Three phase motor aluminum alloy and cast-iron frames POLES 2/4/6/8/10
OMDS	Three phase motor aluminum alloy and cast-iron frames POLES 2/4/6/8/10

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Pos. 2: Motor size

Identification	Frame size of motor	Identification	Frame size of motor
56	Frame size 056	180	Frame size 180
63	Frame size 063	200	Frame size 200
71	Frame size 071	225	Frame size 225
80	Frame size 080	250	Frame size 250
90	Frame size 090	280	Frame size 280
100	Frame size 100	315	Frame size 315
112	Frame size 112	355	Frame size 355
132	Frame size 132	400	Frame size 400
160	Frame size 160	450	Frame size 450

Pos. 3: frame length

Identification	Type of frame length
S	Short frame
M	Medium frame
L	Long frame
X	Extra-long frame

Pos. 4: starter core length

Identification	Type of frame length
A	Medium iron core
B	Long iron core
C	Extra-long iron core

Pos. 5: polarity number

Identification	Number of poles
2	2 poles
4	4 poles
6	6 poles
8	8 poles
2/4	2/4 poles
4/6	4/6 poles
4/8	4/8 poles

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Pos. 6: mounting arrangements

Identification	Type of mounting
B3	with feet
B5	with flange
B14	with small flange
B34	with feet and flange
B35	with feet and small flange

[20] *La marcatura aggiuntiva, se presente / Additional marking (if any):* There is no marking other than those specified in Section 14 of this statement.

[21] *I risultati dell'esame e dei test sono registrati nel rapporto confidenziale n. / The examination and test results are recorded in confidential report no.:* 0003-01-A/25 (60079-0, 60079-7, 60079-31)

[22] *Le Condizioni d'uso specifiche (non applicabile per i componenti)/ Specific condition(s) of use (not applicable for components):*

- The motor can be equipped with auxiliary devices: encoders and motor-fan for ventilation. Auxiliary devices shall be separately certified and be suitable for the installation zone.
- After connecting the motor, the terminal box must be sealed with sealant for gasket. The type and application instructions of the sealant shall be specified in the use and maintenance manual.
- For installation in areas with presence of gas group IIC, When the motor is painted with a paint thickness exceeding 0.2 mm, the risk of electrostatic charge accumulation shall be assessed in accordance with EN IEC 60079-0.
- Accessories used for cable entry and for sealing unused openings shall be separately certified according to the applicable type of protection and shall guarantee at least the minimum required degree of protection.
- When the motor is supplied by inverter, the stator winding is equipped with PTC or PT100 thermal detectors for temperature control. The intervention of the thermal detector shall guarantee the disconnection of the supply; the resetting of the supply shall not be automatic.
- Anti-condensation heaters may operate only when the motor is not running.
- Periodic cleaning of the motor surfaces must be performed to remove any dust accumulation that could cause overheating or ignition risks. The cleaning frequency shall be defined in the use and maintenance manual based on the environmental conditions.
- The installation shall avoid locations where dust layers can accumulate excessively on the motor surface, unless the effects of dust layers on temperature rise have been assessed.

[23] *I requisiti essenziali di salute e sicurezza (soddisfatti mediante il rispetto dei requisiti menzionati al punto 11): / Essential health and safety requirements (met by compliance with the requirements mentioned in item 11):*

There are no other essential health and safety requirements other than those specified in Section 11 of this statement.

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[24] Osservazioni e informazioni aggiuntive / Remarks and additional information:

[24-1] La presente dichiarazione rimane valida a meno che non vengano ritirate le norme e i riferimenti indicati nelle parti n. 11 e 22.

In caso di modifica del prodotto indicato nelle parti n. 4, 5 e 18, il titolare della dichiarazione è tenuto a comunicare tempestivamente e formalmente a NOBEL CERTIFICATION ITALIA (ConformEx) l'oggetto e i dettagli della modifica effettuata. In questo caso ConformEx effettuerà una revisione precisa e comunicherà l'esito della stessa al titolare della dichiarazione, che sarà uno dei seguenti:

- La dichiarazione non sarà più valida per il prodotto modificato e potrà essere presentata una nuova domanda di revisione di dichiarazione a NOBEL CERTIFICATION Italia (ConformEx);
oppure
- Le modifiche saranno coerenti con i riferimenti indicati nelle parti n. 11 e 22 della dichiarazione e pertanto rimarranno valide.

This statement remains valid unless the standards and references indicated in the parts No.11 and 22, are withdrawn.

In case of modification of product indicated in the parts No.4, 5 and 18, the statement holder shall immediately inform formally the subject and detail of the performed modification to NOBEL CERTIFICATION ITALIA (ConformEx). In this case ConformEx will perform a precise review and inform the result of its review to the statement holder, which will be one of the below:

- The statement will no longer valid for the modified product and a new application for revising the statement, could be submitted to NOBEL CERTIFICATION Italia (ConformEx);
or
- The modifications will be consistent with the references indicated in the parts No.11 and 22 of statement and therefore it will remain valid.

[24-2] I dettagli delle variazioni di questa affermazione (se presenti) / details of variations of this statement (if any)

Revisione n. Revision No.	Data di revisione Revision date	Descrizione dell'oggetto / description of subject
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Note: Current version is the initial issuance of the statement and therefore there is no any variations.

[24-3] I dettagli delle classi di temperatura e temperature ambiente / details of Temperature classes and ambient temperatures:

Allowable ambient temperature range is -20°C to +50°C

[24-4] Le avvertenze e I marcature di avvertimento / Warnings and warning markings:

The following warnings are applied to the motor:

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- Warning — potential electrostatic charging hazard — see instructions;
on the cover of the junction box:

- A warning sticker is applied, which means do not open when energized.

[24-5] *I valutazioni (Caratteristiche elettriche)* / Ratings (Electrical characteristics):

- Main supply:
 - Maximum rated voltage: 1000 V
 - Maximum rated power: 1000 kW
 - Maximum current: 1700 A
 - Rated frequency: 50/60Hz
 - Insulation class: F (with AT class B)
 - Duty: S1, S2, S3, S4, S6, S9
 - Max. rated speed: 3600 r.p.m
- Inverter supply:
 - Maximum rated voltage: 1000V
 - Maximum peak voltage: 2300V
 - Maximum current: 740 A
 - Max. rated speed: 3960 rpm
 - Duty: S9

[24-6] *il grado di protezione (codice IP)* / degree of protection (IP code): IP55/IP65

[24-7] *I test di routine (se applicabile)* / Routine Tests (if applicable):

A dielectric strength test shall be carried out on Ex-ec junction box in accordance with Clause 6.1 of EN 60079-7:2015/A1:2018 Ed. 5, with voltage (2Un+1000) V in period of at least 60 s or 1.2x(2Un+1000) V at least 100 ms.

[24-8] *I documenti tecnici descrittivi* / descriptive technical documents:

Title of document	Subject	Revision No.	Date
drawings of the motor frames	Motor frames for the types OM1-2-3-4, OMAAC, OMADC, OMUL, OMM1, OMM2, OMEX, OMDS	0	01/03/2025