

Warning: out of scale drawing - It may not exactly represent the product. The exact dimensions can be drawn from the 2D drawing or the 3D model to download.

DELPHI 180M-2 / kW 22 / Hz 50 400/690V/ / B3 /

Date: 01/10/2021 13:38

[www.motive.it/configuratore.php](http://www.motive.it/configuratore.php)

Scale: Out

This drawing is property of MOTIVE s.r.l.



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Tel. +39 030 2677087  
Web: [www.motive.it](http://www.motive.it)



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motive@motive.it  
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# DATA-SHEET

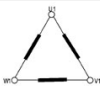
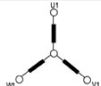
## PRODUCT DESCRIPTION



Manufacturer	Motive s.r.l.
Motor Type	DELPHI 180M-2
Motor code	180M-2B3*
Version	standard
# poles:	2
Configuration	B3

Max. Altitude	1000 m a.s.l.
Temp. Rise $\Delta T$	60 °C
Features	cast iron motor
Tropicalized winding (standard)	
Weight	165 Kg
Packing type	Wooden crate
Packing dimensions WxHxD mm	870x450x590
Efficiency class	IE2

Load data	100%	75%	50%
Efficiency $\eta\%$ at 50Hz	91.40	90.80	88.40
Power factor $\cos\phi$	0.89	0.86	0.80

Hz	50	
Connection		
Volt	400V	690V
Power	kW	
	22	
	Hp	
	30	
Speed	rpm	
	2959	
rated torque Cn	Nm	
	71	
Rated current In	A	39.26   22.76
Starting Current Is	A	278.51   161.46
Starting Torque Cs	Nm	174.5
Max. Torque Cmax	Nm	220.8

Sound pressure level (Lwa)	89 [dB]
Rotor Inertia	0.08 Kgm <sup>2</sup>
Bearing DE	6311 ZZ-C3
Bearing NDE	6311 ZZ-C3
The PTC thermistors in the winding are included standard	

Protection	IP 55
Is/In	7.10
Cs/Cn	2.50
Cmax/Cn	3.10



# curva coppia/assorbimento

22/03/2007

torque and current curve

Tipo motore : 180M-2

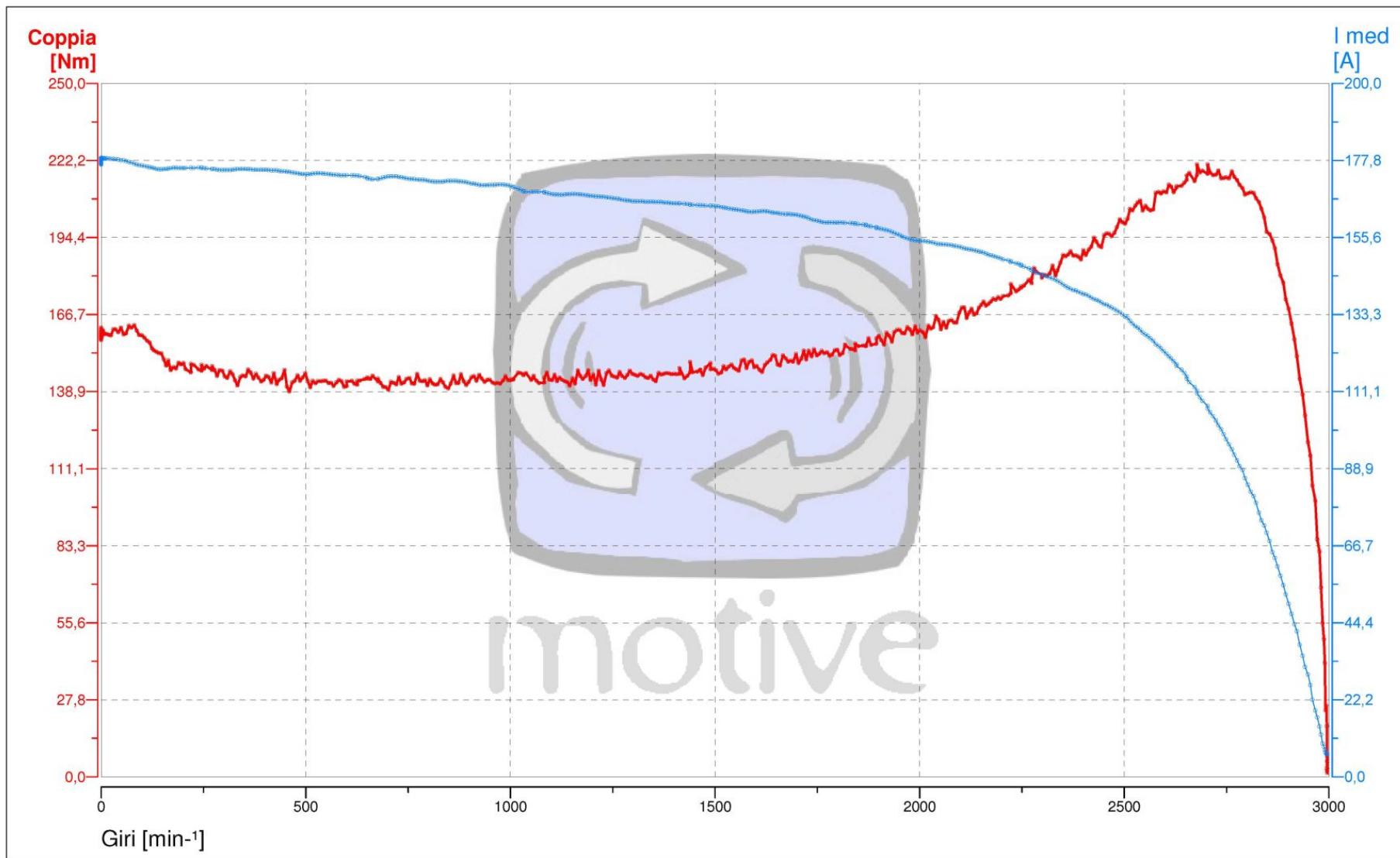
V Nom. [V] : 400

Frequenza [Hz] : 50

P Nom.[KW] : 22

Giri [min<sup>-1</sup>] : 2940

File Prova : C:\Elektro\Prove\Trifase\180\ 180M-2 B3 0602G00003.TXT



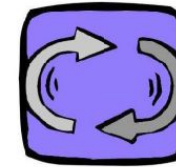
Note :



# RENDIMENTO

22/03/2007

## EFFICIENCY



motive

Tipo motore : 180M-2

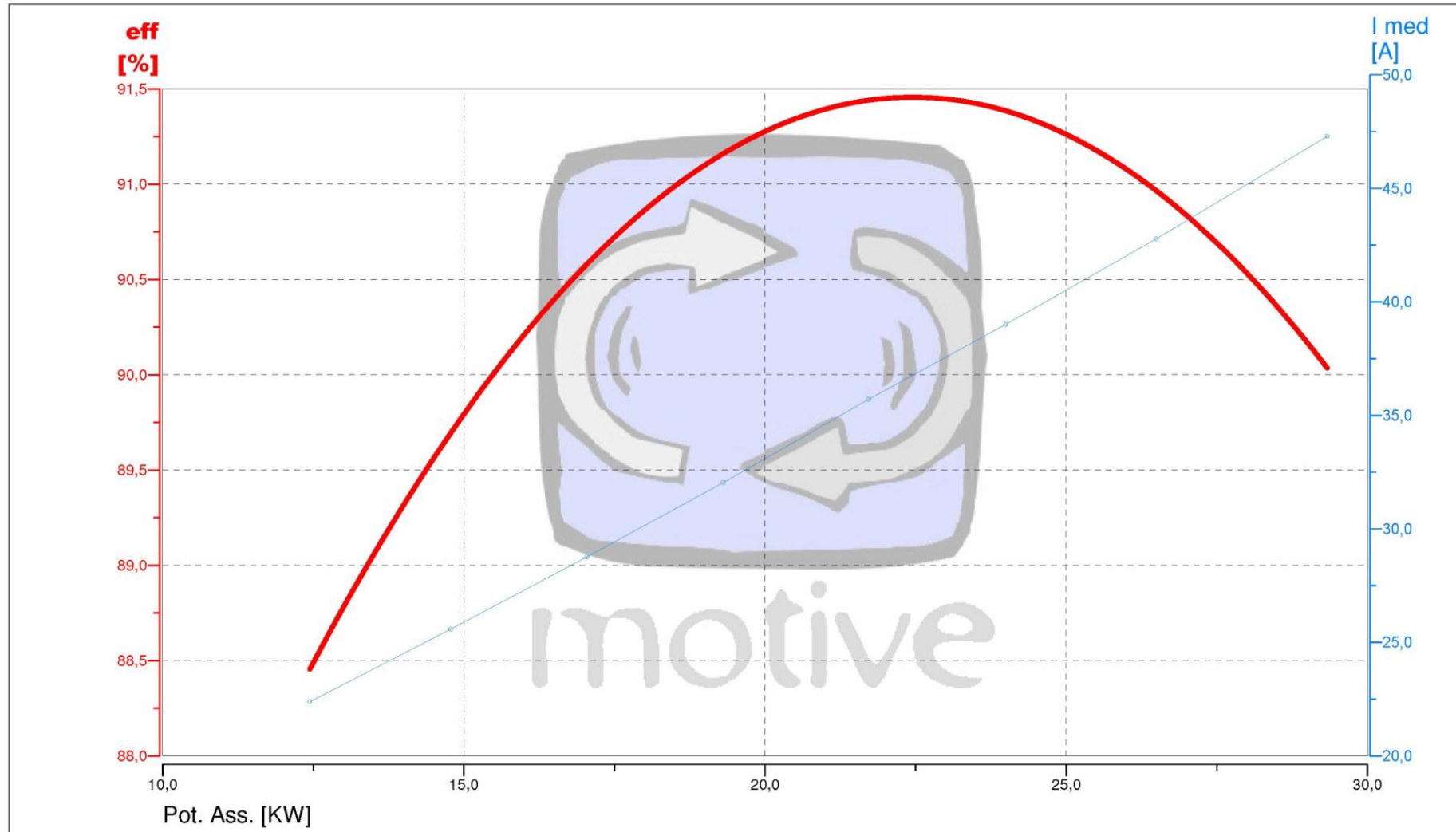
V Nom. [V] : 400

Frequenza [Hz] : 50

P Nom.[KW] : 22

Giri [min<sup>-1</sup>] : 2940

File Prova : C:\Elektro\Prove\Trifase\180\ 180M-2 B3 0602G00003.TXT



Note :



# riscaldamento

09/02/2007

heating

Tipo motore : 180M-2

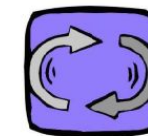
V Nom. [V] : 400

Frequenza [Hz] : 50

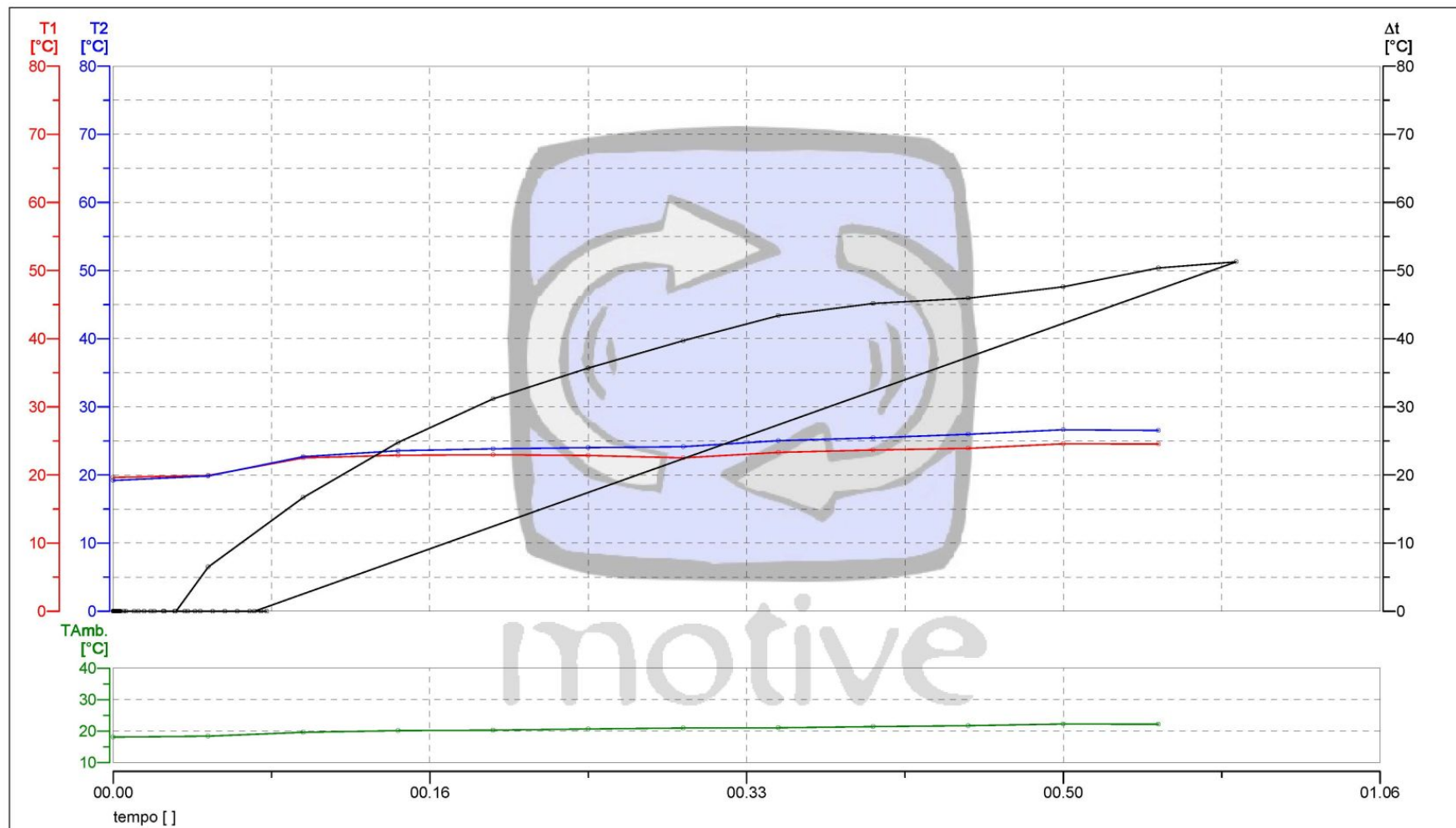
P Nom.[KW] : 22

Giri [min<sup>-1</sup>] : 2940

File Prova : C:\Elektro\Prove\Trifase\180\ 180M-2 B3 0608G00026.TXT



motive



Note :





motive

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## Conformity Declaration

Motive s.r.l. whose Head Office is situated in Castenedolo (BS) - Italy

declares, under its own exclusive responsibility,

that its whole range of

**asynchronous electric motors of the series "Delphi" and "DELFIRE"**

is conform to the following international norms (last issue):

- EN60034-1** Rotating Electrical Machines - Part 1: Rating and performance
- EN60034-6** Rotating Electrical Machines - Part 6: Methods of cooling (IC code)
- EN60034-7** Rotating Electrical Machines - Part 7: Classification of Types of Construction, Mounting Arrangements and Terminal Box Position (IM Code)
- EN60034-8** Rotating electrical machines - Part 8: Terminal markings and direction of rotation
- EN60034-25** Rotating electrical machines - Part 25: Guidance for the design and performance of a.c. motors specifically designed for converter supply
- EN60034-2-1** Rotating electrical machines. Standard methods for determining losses and efficiency from tests
- EN60034-30-1** Rotating electrical machines - Part 30: Efficiency classes of single-speed, three-phase, cage-induction motors
- EN50347** General purpose three-phase induction motors having standard dimensions and outputs. Frame numbers 56 to 315 and flange numbers 65 to 740
- EN61000-6-4** Electromagnetic compatibility (EMC) - Part 6: Generic standards - Section 4: Emission standard for industrial environments
- IEC 72-1** Dimensions and output series for rotating electrical machines Part 1: Frame numbers 56 to 400 and flange numbers 55 to 1080

following the provisions of the Directives

**Low Voltage (LVD) 14/35/EEC,**  
**EMC Electromagnetic Compatibility (EMC) 14/30/EEC**  
**Eco-design Directive for Energy-related Products (ErP) 09/125/EEC**

1 January 2016

The Legal Representative: *Giorgia Bosio*

N. REA 422301  
Cod. Fisc. e P. IVA 03580280174



Milan, September 30, 2008

Attention to Company

Motive S.r.l.  
Via Artigianale, 110/112  
25010 Montirone (BS) - ITALY

Dear Mr Giorgio Bosio,

Herewith I confirm that Motive's laboratory, evaluated according to the requirements of standard IEC/ISO 17025, is found in compliance with main requirements of the above mentioned standard. The following motors were tested according to standard IEC 60034-2 with supervision of IMQ qualified personnel.

Model designation    rated power (kW)

90L-4 Eff1	1,5
100LB-4 Eff1	3
112M-4 Eff1	4
132M-4 Eff1	7,5
90L-2 Eff1	2,2
112M-2 Eff1	4
132SB-2 Eff1	7,5
112M-6 Eff1	2,2
132S-6 Eff1	3
100LA-8 Eff1	0,75
132M-8 Eff1	3

With Regards

  
Igor Blassi

Household Appliances Laboratory Manager  
Tel. (+39) 025073484  
igor.blassi@imq.it

IMQ S.p.A.

Via Quintilano 43  
20138 Milano  
Tel. (+39) 0250731  
www.imq.it - info@imq.it

N. ELE391318CS001

This is to certify that the product below is found to be in compliance with the applicable requirements of the RINA Type Approval system.

<b>Description</b>	Asynchronous three-phases electric motors
<b>Type</b>	DELPHI Series
<b>Applicant</b>	Motive S.r.l. Via Le Ghiselle, 20 25014 Castenedolo (BS) Italy
<b>Manufacturing Place</b>	Motive S.r.l. Via Le Ghiselle, 20 25014 Castenedolo (BS) Italy
<b>Testing Standards</b>	RINA Rules for the Classification of Ships - Part C, Ch.2, Sec. 4

Issued in Genova on January 21, 2019

This certificate is valid until January 21, 2024



RINA Services S.p.A.





ЕВРАЗИЙСКИЙ ЭКОНОМИЧЕСКИЙ СОЮЗ  
ДЕКЛАРАЦИЯ О СООТВЕТСТВИИ



Заявитель Общество с ограниченной ответственностью "ПРИВОД ГРАНД РЕДУКТОР"

Место нахождения и адрес места осуществления деятельности: Российская Федерация, Смоленская область, 214004, город Смоленск, улица Багратиона, дом 4, офис 46, основной государственный регистрационный номер: 1166733076608, номер телефона: +79203158381, адрес электронной почты: privodgrand@gmail.com

в лице Директора Шелеста Александра Иосифовича

заявляет, что Электродвигатели (мотор-редукторы) асинхронные трехфазные общепромышленного назначения, рабочее напряжение 220/380В. Модели по приложению № 1, количество листов: 2 изготовитель "Motive srl". Место нахождения и адрес места осуществления деятельности по изготовлению продукции: Via Le Ghiselle, 20 25014 Castenedolo (BS), Италия.

Продукция изготовлена в соответствии с Директивой 2014/35/EU "Низковольтное оборудование". Код ТН ВЭД ЕАЭС 8501. Серийный выпуск

соответствует требованиям

ТР ТС 004/2011 "О безопасности низковольтного оборудования", утвержден Решением Комиссии Таможенного союза от 16 августа 2011 года № 768

Декларация о соответствии принята на основании

Протокола испытаний № 199-04/2020 от 14.04.2020 года, выданного Испытательной лабораторией Общество с ограниченной ответственностью Инновационный центр «Колибри», аттестат аккредитации РОСС RU.31857.04ИЛС0.00063, сроком действия до 17.06.2022 года.

Схема декларирования 1д

Дополнительная информация

ГОСТ 16264.1-2016 Двигатели асинхронные. Часть 1. Общие технические условия. Срок хранения (службы, годности) указан в прилагаемой к продукции товаросопроводительной и/или эксплуатационной документации.

Декларация о соответствии действительна с даты регистрации по 13.04.2025 включительно

(подпись)

М.П.

Шелест Александр Иосифович

(Ф.И.О. заявителя)

Регистрационный номер декларации о соответствии: ЕАЭС N RU Д-IT.HX37.B.02083/20

Дата регистрации декларации о соответствии: 14.04.2020

KINGDOM OF SAUDI ARABIA

Product Conformity Programme

Statement for Registration

PCP Ref.no: KSA R-205239

Issued to:

Motive Srl  
Via Artigianale 110/112  
25010 Montirone (BS)  
Italy

Product:

II-06 MOTORS Incl. GEARED MOTORS/DRIVES

Model/Type:

See appendix (1 page/s)

Applicable standards/references:

IEC 60034, IEC 72

Issued by:

Regional Licensing Centre  
Europe, Middle East and Africa  
Intertek Semko AB  
06 November 2009

  
Pia Ostgaard  
Manager

Intertek

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