

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 100LB-4 / kW 3 / Hz 50 230/400V / B5 /

Date: 17/08/2021 16:41

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

Scale: Out

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



Motive s.r.l.  
Via Le Ghiselle, 20  
25014 Castenedolo(BS) Italy  
Tel. +39 030 2677087  
Web: www.motive.it



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# DATA-SHEET

## PRODUCT DESCRIPTION

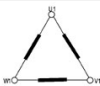
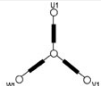
DIAS



Manufacturer	Motive s.r.l.
Motor Type	DELPHI 100LB-4
Motor code	100LB-4B5IE3
Version	standard
# poles:	4
Configuration	B5

Max. Altitude	1000 m a.s.l.
Temp. Rise $\Delta T$	46 °C
Features	Aluminum motor
Tropicalized winding (standard)	
Weight	40 Kg
Packing type	carton
Packing dimensions WxHxD mm	420x255x320
Efficiency class	IE3

Load data	100%	75%	50%
Efficiency $\eta\%$ at 50Hz	89	89.40	86.80
Power factor $\cos\phi$	0.75	0.65	0.52

Hz	50	
Connection		
Volt	230V	400V
Power	3 kW	
	4 Hp	
Speed	1447 rpm	
rated torque Cn	19.76 Nm	
Rated current In	11.27 A	6.48 A
Starting Current Is	86.12 A	49.52 A
Starting Torque Cs	69.03 Nm	
Max. Torque Cmax	77.85 Nm	

Sound pressure level (Lwa)	64 [dB]
Rotor Inertia	0.00893 Kg $m^2$
Bearing DE	6206 ZZ
Bearing NDE	6206 ZZ

Protection	IP 55
Is/In	7.60
Cs/Cn	3.50
Cmax/Cn	3.90



# curva coppia/assorbimento

08/09/2017

torque and current curve

Tipo motore : 100LB-4 IE3

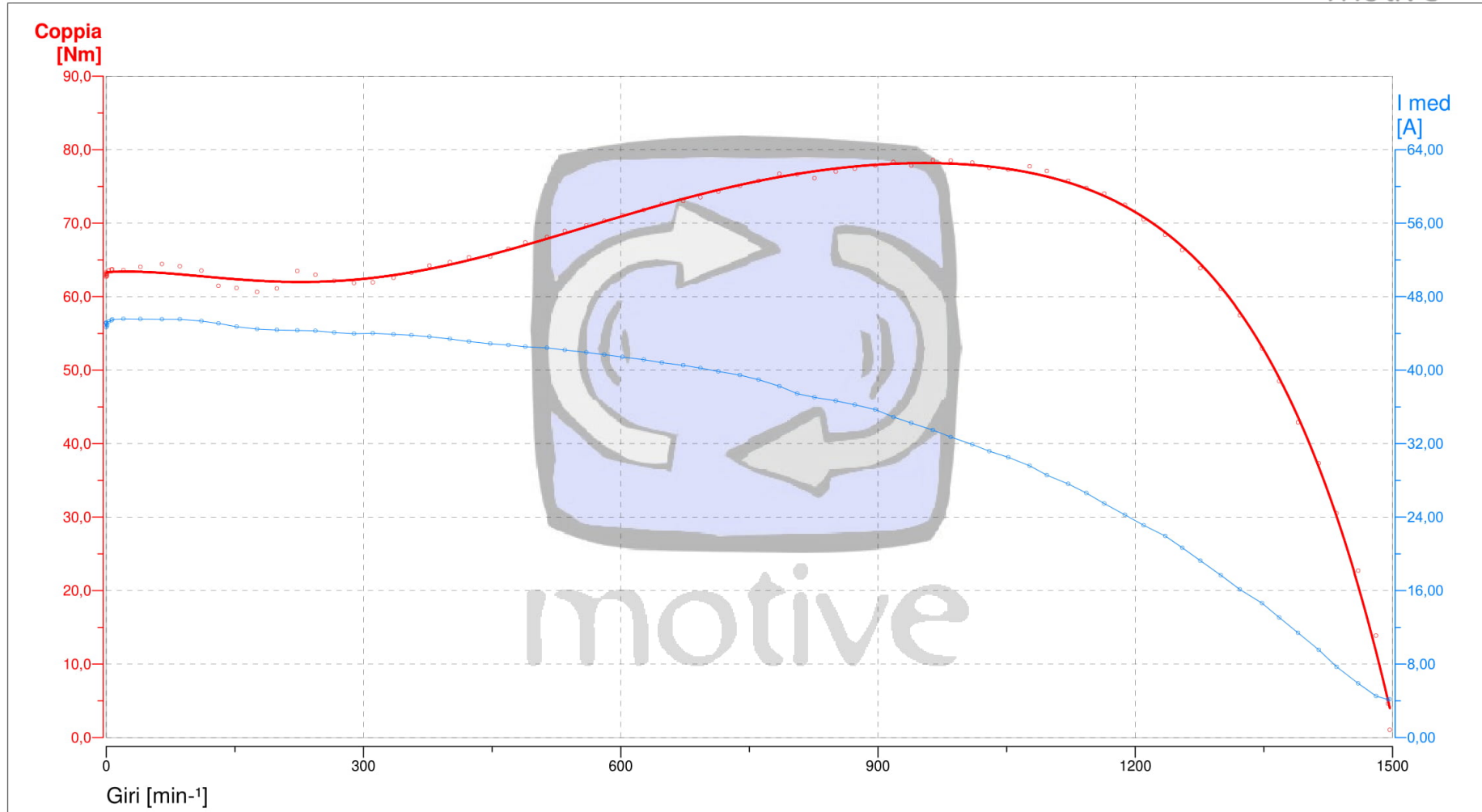
V Nom. [V] : 400

Frequenza [Hz] : 50

P Nom.[KW] : 3

Giri [min<sup>-1</sup>] : 1447

File Prova :



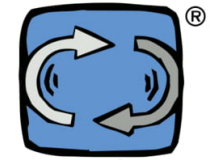
Note :



# rendimento

08/09/2017

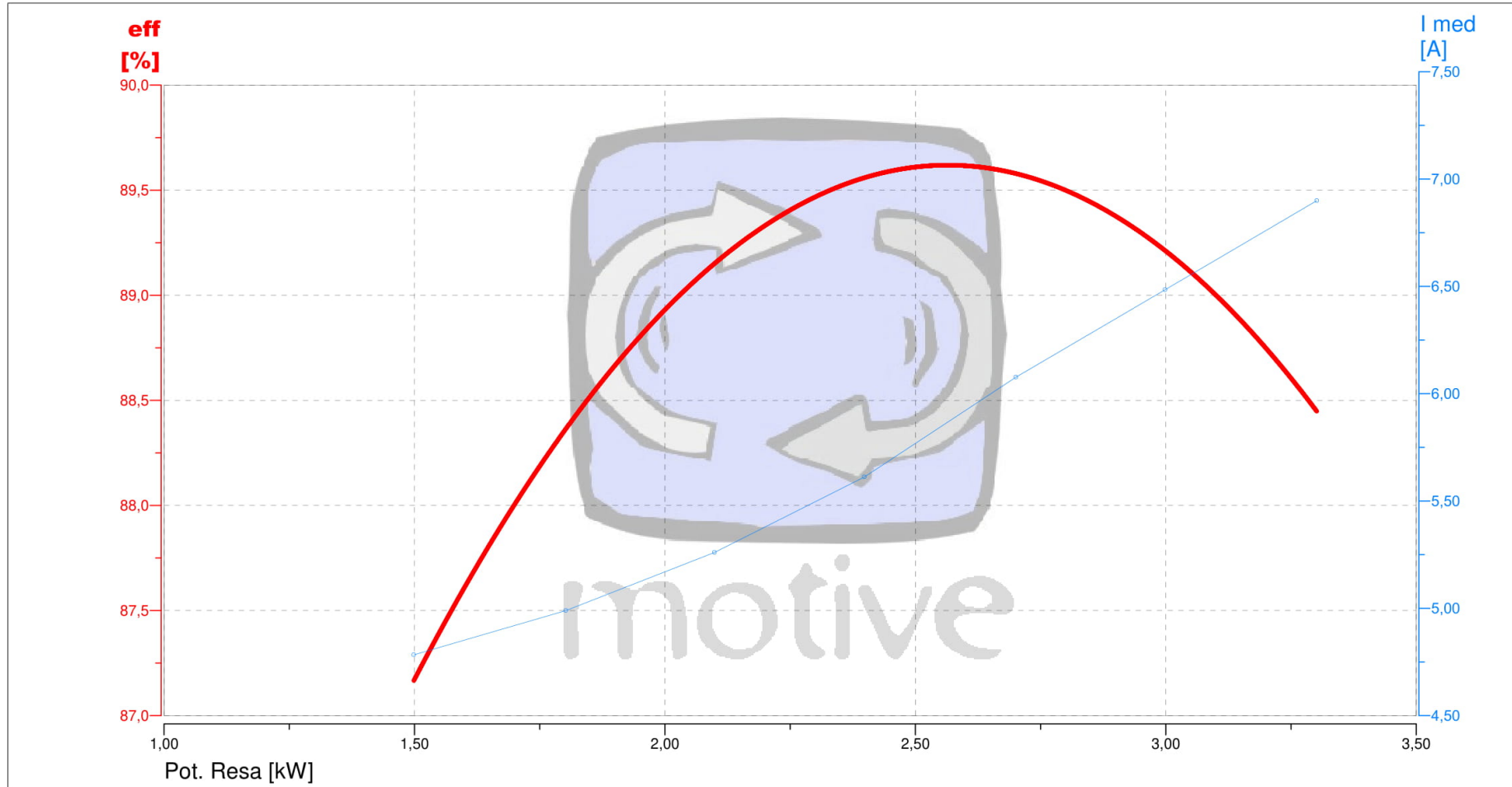
efficiency



motive

Tipo motore : 100LB-4 IE3      V Nom. [V] : 400      Frequenza [Hz] : 50      P Nom.[KW] : 3      Giri [min-1] : 1447

File Prova :



Note :



# riscaldamento

heating

08/09/2017

Tipo motore : 100LB-4 IE3

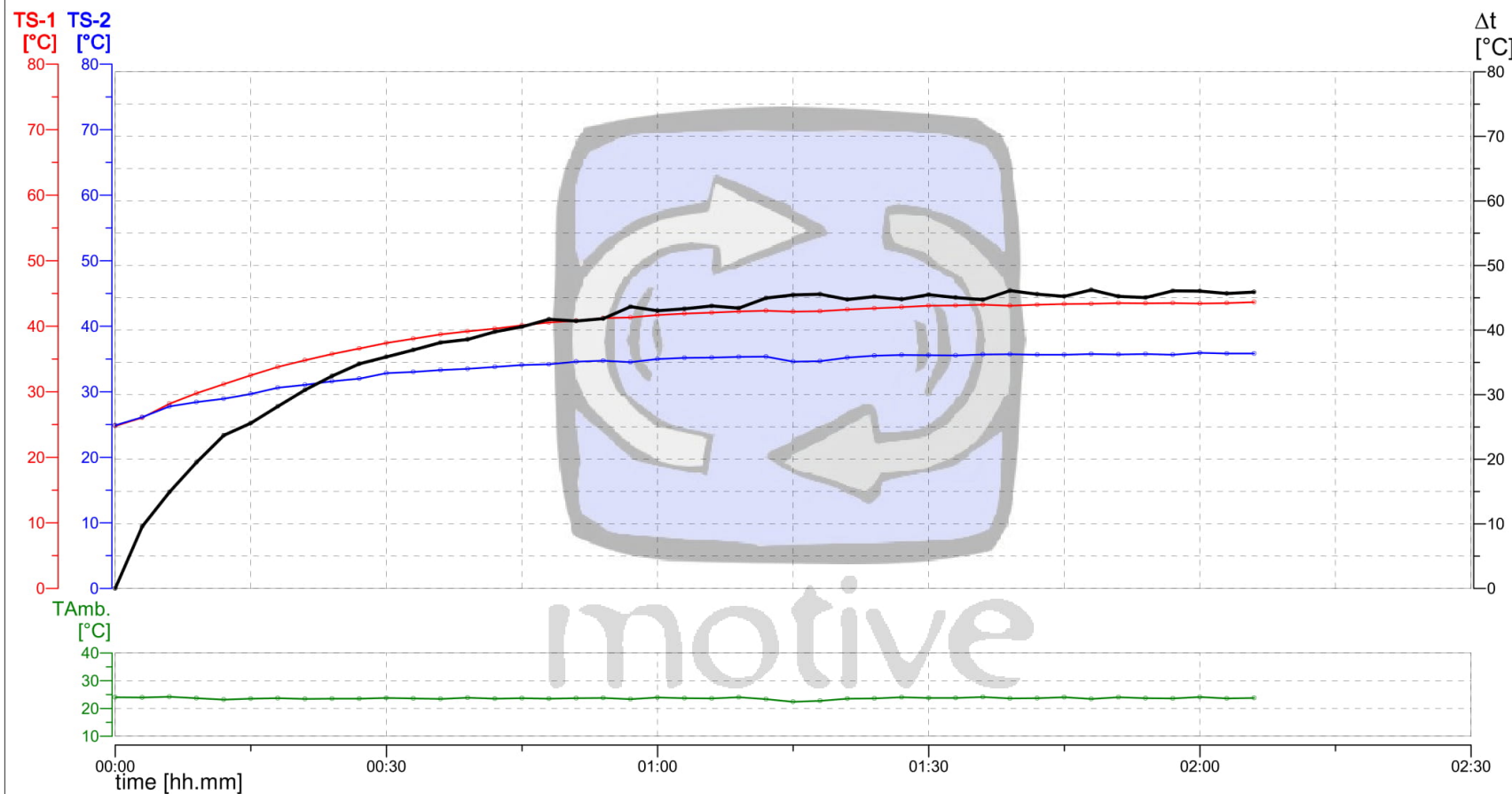
V Nom. [V] : 400

Frequenza [Hz] : 50

P Nom.[KW] : 3

Giri [min<sup>-1</sup>] : 1447

File Prova :



Note :





motive

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motive@e-motive.it



## 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  
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IMQ S.p.A.

Via Quintilano 43  
20138 Milano  
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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



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