


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.

MONO 100LB-4 kW 3 B3		
Date: 12/02/2024 12:50		
www.motive.it/configuratore.php		
Scale: Out		Motive s.r.l. Via Le Ghiselle, 20 25014 Castenedolo(BS) Italy Tel. +39 030 2677087 Web: www.motive.it
This drawing is property of MOTIVE s.r.l.		



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DATA-SHEET

PRODUCT DESCRIPTION



Manufacturer	Motive s.r.l.
Motor Type	100LB-4 MONO
Motor code	M100LB-4B3
Version	standard
# poles:	4
Configuration	B3

Max. Altitude	1000 m a.s.l.		
Temp. Rise ΔT	84 °C		
Feature	Aluminium motor		
Weight	24.0 kg		
Load data	100%	75%	50%
Efficiency $\eta\%$ at 50Hz	81.8	-	-
Power factor $\cos\phi$	0.930	-	-

Connection		
Hz	50	
Volt	230	
Power	kW	3
	Hp	4.08
Speed	rpm 1445	
rated torque Cn	Nm	19.87
Rated current In	A	17.15
Starting Current Is	A	78.89
High starting torque Cs	Nm	21.86

Operating capacitor	80 uF		
Start capacitor	120 uF		
High starting torque	non disponibile uF		
Bearing DE	6204 ZZ		
Bearing NDE	6204 ZZ		

Protection	IP 55
Insulation class	F
Is/In	4.6
Cs/Cn	1.1



Curva coppia/assorbimento

Torque and current curve

Tipo motore : M100LB-4

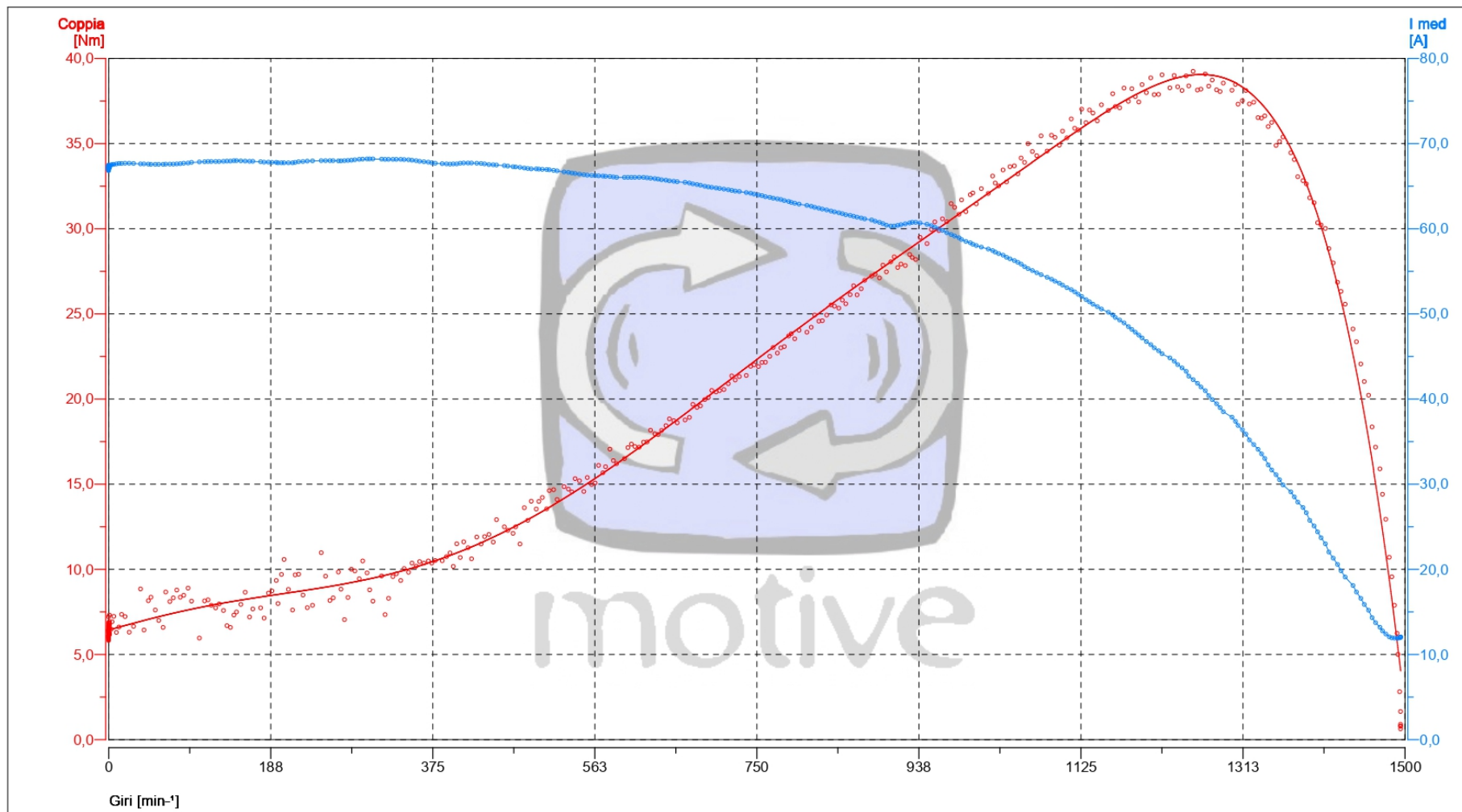
V Nom. [V] : 230

Frequenza [Hz] : 50

P Nom. [KW] : 3

Poli : 4

File Prova :



Note:

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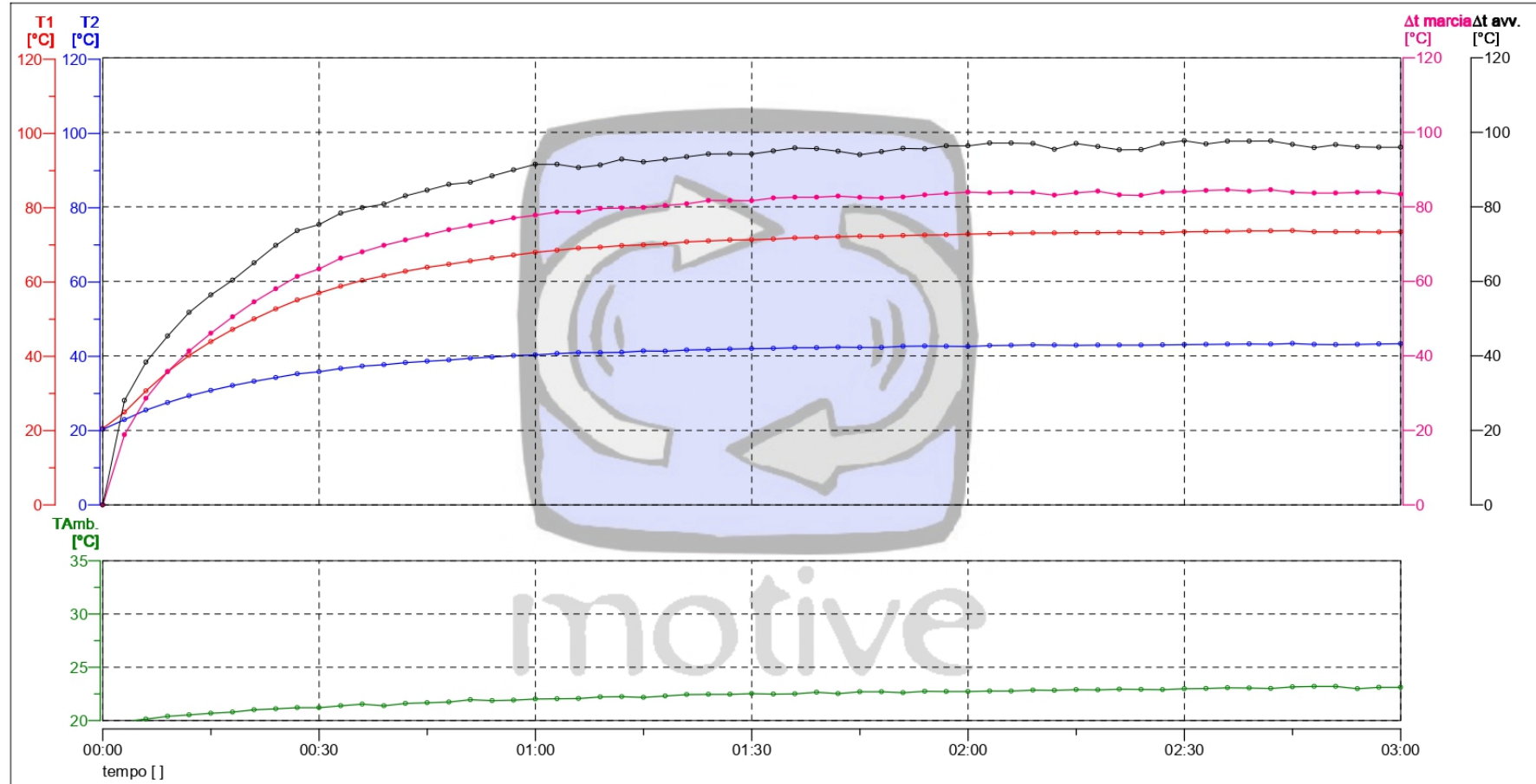
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Riscaldamento

Heating

Tipo motore : M100LB-4	V Nom. [V] : 230	Frequenza [Hz] : 50	P Nom. [KW] : 3	Poli : 4
Temp. iniziale [°C] : 19,4	Res. marcia iniz. [Ω] : 0,68	Res. avviamento iniz. [Ω] : 1,54	Res. marcia finale [Ω] : 0,92	Res. avviamento finale [Ω] : 2,14
File Prova :				



Note :



Rendimento Efficiency

Tipo motore : M100LB-4

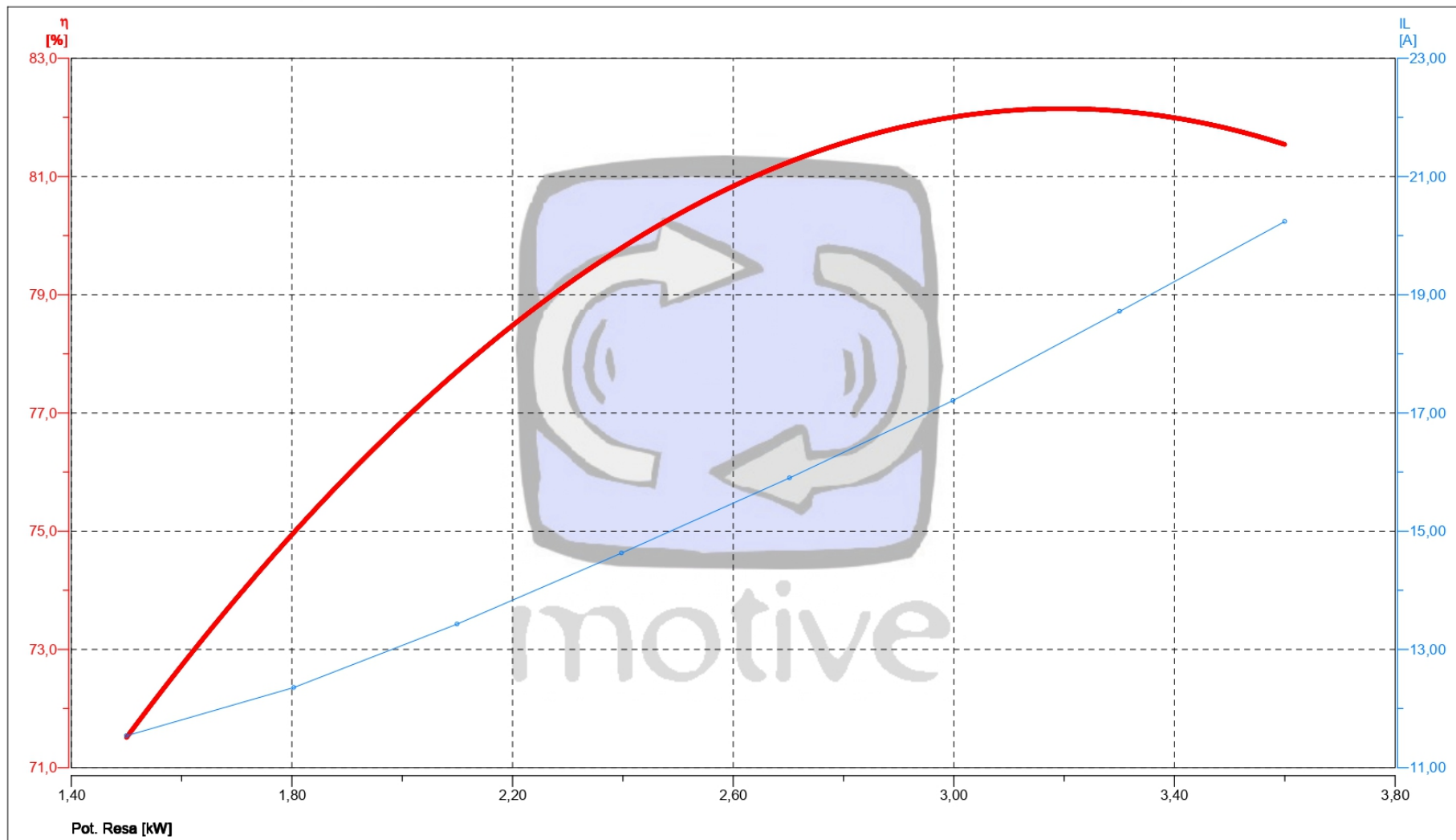
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Frequenza [Hz] : 50

P Nom.[KW] : 3

Poli : 4

File Prova :



Note :

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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

single phase asynchronous electric motors of the series "MONO"


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
- 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 14/35 EEC,
EMC Electromagnetic Compatibility 14/30 EEC

It is also possible to incorporate them into machines conform to the **Machinery Directive 06/42/EEC**. Note: The Machinery Directive excludes from its scope the electric motors (Art.1, comma 2)

The Legal Representative: 
Giorgia Bosio

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

ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT



CERTIFICATO

Nr. 50 100 1185 - Rev.010

Si attesta che / This is to certify that

IL SISTEMA QUALITÀ DI
THE QUALITY SYSTEM OF



MOTIVE S.r.l.

SEDE LEGALE E OPERATIVA:
REGISTERED OFFICE AND OPERATIONAL SITE:

VIA LE GHISELLE 20
IT - 25014 CASTENEDOLO (BS)

È CONFORME AI REQUISITI DELLA NORMA
HAS BEEN FOUND TO COMPLY WITH THE REQUIREMENTS OF

UNI EN ISO 9001:2015

QUESTO CERTIFICATO È VALIDO PER IL SEGUENTE CAMPO DI APPLICAZIONE
THIS CERTIFICATE IS VALID FOR THE FOLLOWING SCOPE

**Progettazione e fabbricazione di motori elettrici, riduttori
meccanici e inverter (IAF 18, 19)**
**Design and manufacture of electrical motors, mechanical gearboxes
and variable speed drives (IAF 18, 19)**



SGQ N° 049A

Membro degli Accordi di Mutuo Riconoscimento
EA, IAF e ILAC
Signatory of EA, IAF and ILAC Mutual
Recognition Agreements

Per l'Organismo di Certificazione
For the Certification Body
TUV Italia S.r.l.

Validità / Validity

Dal / From: **2019-03-19**

Al / To: **2022-03-02**


Andrea Coscia
Direttore Divisione Business Assurance

Data emissione / Issuing Date

2019-03-19

PRIMA CERTIFICAZIONE / FIRST CERTIFICATION: 2001-07-20
DATA DI SCADENZA DELL'ULTIMO CICLO DI CERTIFICAZIONE: 2019-03-02
EXPIRATION DATE OF THE LAST CERTIFICATION CYCLE: 2019-03-02

"LA VALIDITÀ DEL PRESENTE CERTIFICATO È SUBORDINATA A SORVEGLIANZA PERIODICA A 12 MESI E AL RIESAME COMPLETO DEL SISTEMA DI GESTIONE AZIENDALE CON PERIODICITÀ TRIENNALE."
"THE VALIDITY OF THE PRESENT CERTIFICATE DEPENDS ON THE ANNUAL SURVEILLANCE EVERY 12 MONTHS AND ON THE COMPLETE REVIEW OF COMPANY'S MANAGEMENT SYSTEM AFTER THREE-YEARS"

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