


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 90S-4   kW 1.1   B14		 Motive s.r.l. Via Le Ghiselle, 20 25014 Castenedolo(BS) Italy Tel. +39 030 2677087 Web: www.motive.it
Date: 16/01/2024 14:19		
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  
 Fax: +39 030 2677125  
 motive@motive.it  
 www.motive.it

# DATA-SHEET

## PRODUCT DESCRIPTION



Manufacturer	Motive s.r.l.
Motor Type	90S-4 MONO
Motor code	M90S-4B14
Version	standard
# poles:	4
Configuration	B14

Max. Altitude	1000 m a.s.l.		
Temp. Rise $\Delta T$	71 °C		
Feature	Aluminium motor		
Weight	12.6 kg		
Load data	100%	75%	50%
Efficiency $\eta\%$ at 50Hz	71.2	-	-
Power factor $\cos\phi$	0.922	-	-

Operating capacitor	35 uF
Bearing DE	6204 ZZ
Bearing NDE	6204 ZZ

Connection		
Hz	50	
Volt	230	
Power	kW	1.1
	Hp	1.5
Speed	rpm	1402
rated torque Cn	Nm	7.49
Rated current In	A	7.28
Starting Current Is	A	20.32
Starting Torque Cs	Nm	5.25

Protection	IP 55
Insulation class	F
Is/In	2.8
Cs/Cn	0.7



# CARATTERISTICA MECCANICA

## TORQUE MEASUREMENT

Cartella : M90

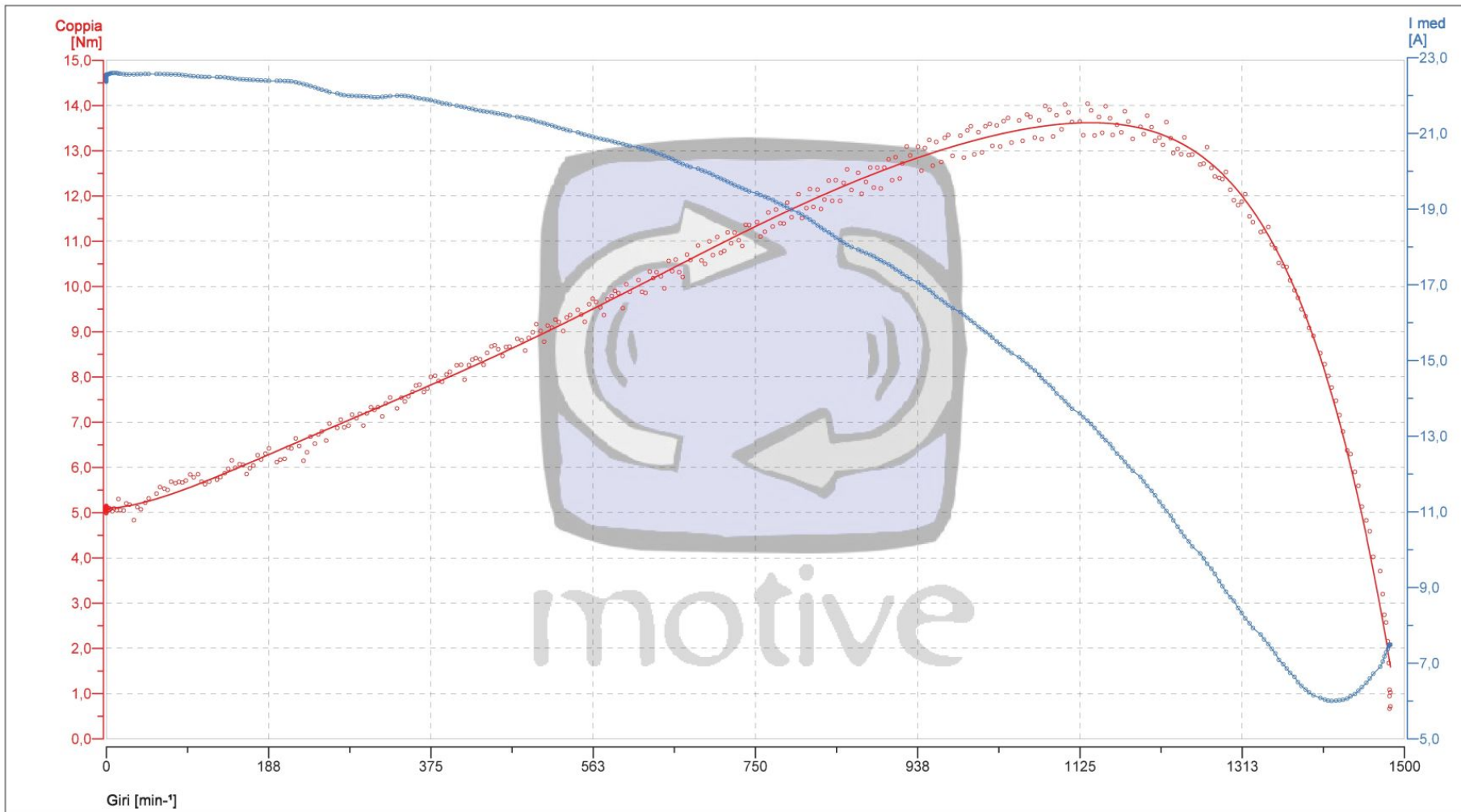
V Nom. [V] :

Tensione nominale [V] : 230

P Nom. [KW] :

Poli : 4

File Prova :



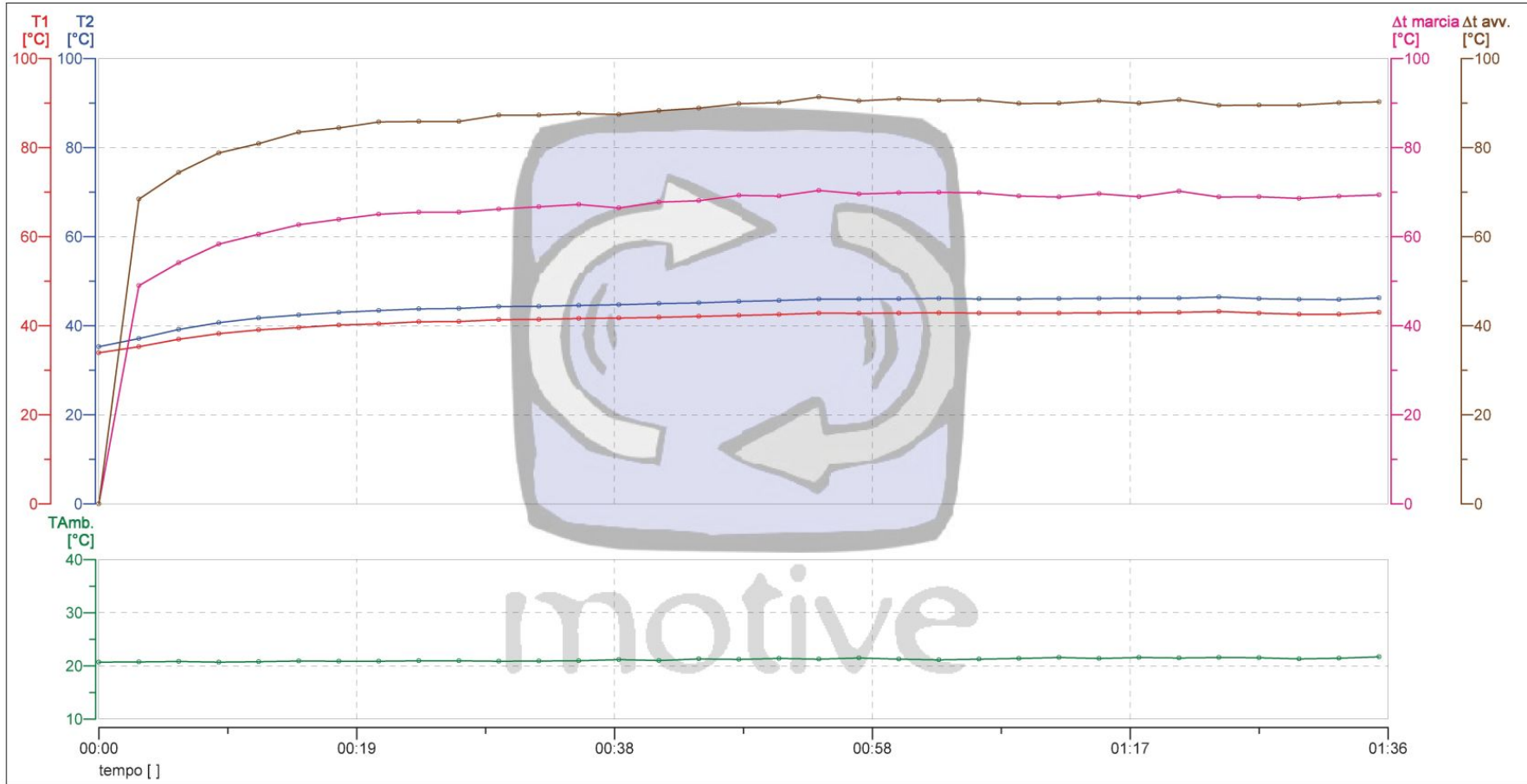
Note : Note:



# RISCALDAMENTO

## HEATING

Cartella : M90	V Nom. [V] :	Tensione nominale [V] : 230	P Nom. [KW] :	Poli : 4
Temp. iniziale [°C] : 19,8	Res. marcia iniz. [Ω] : 2,16	Res. avviamento iniz. [Ω] : 5,57	Res. marcia finale [Ω] : 0,00	Res. avviamento finale [Ω] : 0,00
File Prova :				



Note : Note:



# RENDIMENTO EFFICIENCY

Cartella : M90

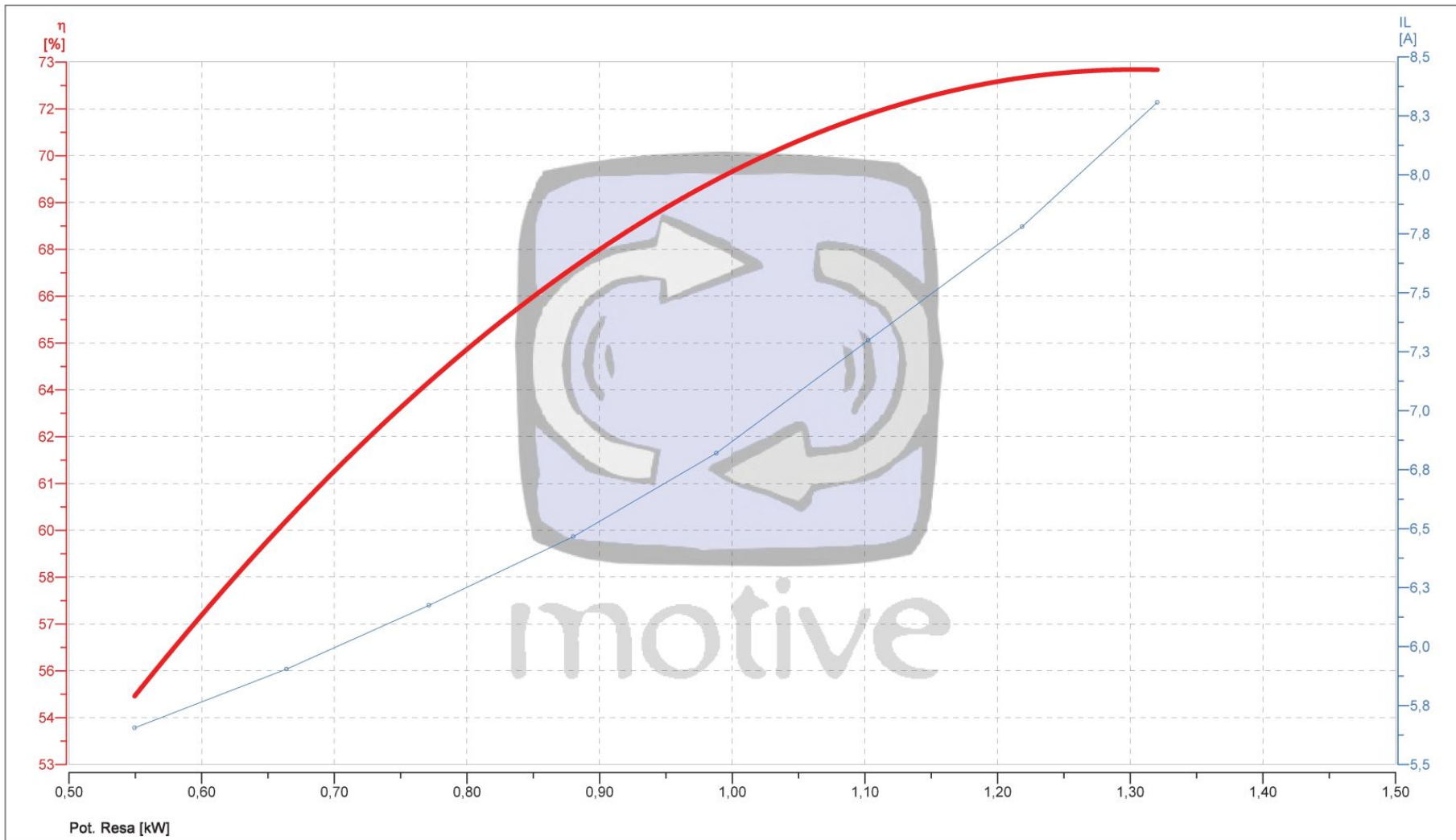
V Nom. [V] :

Tensione nominale [V] : 230

P Nom.[KW] :

Poli : 4

File Prova :



Note : Note:





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

**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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