C E R T I F I C A T E

of

Conformity

Electromagnetic Compatibility Regulations 2016

(UK SI 2016 No. 1091)

TÜVRheinland®

Registration No.: AO 50527807 0001

Test Report No.: CN217PFF 001

Holder:
Estun Automation Co., Ltd
16, Shuige Road, Jiangning Development Zone,
Nanjing
211106 Jiangsu
P.R. China

Product: Servo Motor

Identification: EM3J Series EM3G Series

Serial No.: n.a.
Remark: Refer to test report CN217PFF 001 for details.

Tested acc. to: BS EN 61000-6-2:2005
BS EN 61000-6-4:2007+A1

This certificate of conformity is based on an evaluation of a sample of the above mentioned product, technical report and documentation. This certificate does not imply the assessment of the production of the product and does not permit the use of a TUV Rheinland mark of conformity.

Certification Body

Date 14.12.2021

Xinhua Lu

TUV Rheinland UK Ltd 1011 Stratford Road, Shirley, Solihull,ds, B90 4BN

UK CA The UKCA mark may be used, if all relevant UK Legislations and the UK Declaration of Conformity has been completed. UK CA

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TÜV Rheinland (China) Ltd.
Member of TÜV Rheinland Group

TÜVRheinland®
Precisely Right.

Estun Automation Co., Ltd

Date : 14/12/2021
Our ref. : LHX 01
Your ref.: Yang Leilei

16, Shuige Road, Jiangning
Development Zone,
Nanjing
211106 Jiangsu
P.R. China

Ref : AO Conf. Electromagnetic Com. Reg. 2016

Type of Equipment : Servo Motor
Model Designation : See Certificate
Certificate No. : AO 50527807 0001
Report No. : CN217PFF 001

Dear Ladies and Gentlemen,

We herewith confirm that a sample of the above mentioned technical equipment has been tested and was found to be in accordance with the relevant requirements.

Enclosed please find your Certificate of Conformity.

We appreciate your kind support and would like to offer our assistance and continuous services in the future.

With kind regards,

Certification Body

Xinhua Lu

CC: Estun Automation Co., Ltd

Enclosure

TÜV Rheinland (China) Ltd.
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Prüfbericht-Nr.: *Test Report No.:*	**CN217PFF 001**	**Auftrags-Nr.:** *Order No.:*	**244329188** **244364451**	**Seite 1 von 29** *Page 1 of 29*
Kunden-Referenz-Nr.: *Client Reference No.:*	**2159317**	**Auftragsdatum:** *Order date.:*	**2021-06-22**	
Auftraggeber: *Client:*	**Estun Automation Co., Ltd.** 16, Shuige Road, Jiangning Development Zone, Nanjing, 211106 Jiangsu, P.R. China			
Prüfgegenstand: *Test item:*	**Servo Motor**			
Bezeichnung / Typ-Nr.: *Identification / Type No.:*	**EM3J-bAc#&&&-*, EM3G-z$c#&&&-* (Refer to next page)**			
Auftrags-Inhalt: *Order content:*	**TÜV Rheinland EMC service**			
Prüfgrundlage: *Test specification:*	**IEC 60034-1:2017 EN 61000-6-2:2005 EN 61000-6-4:2007+A1** **BS EN 61000-6-2:2005 BS EN 61000-6-2:2007+A1:2011**			
Wareneingangsdatum: *Date of receipt:*	**2021-06-07**			
Prüfmuster-Nr.: *Test sample No.:*	**A003146475-005 to 007**			
Prüfzeitraum: *Testing period:*	**Refer to test report**			
Ort der Prüfung: *Place of testing:*	**Refer to clause 1.1**			
Prüflaboratorium: *Testing laboratory:*	**TÜV Rheinland (Shanghai) Co., Ltd.**			
Prüfergebnis*: *Test result*:*	**Pass**			



geprüft von: / *tested by:* Hexiong Liu

Hexiong Liu

Datum: / *Date:* 2021-11-03

Stellung: / *Position:* Department manager

genehmigt von: / *authorized by:* Jiayi Zhou

Jiayi Zhou

Datum: / *Date:* 2021-11-03

Stellung: / *Position:* Senior manager

Sonstiges / *Other:*	Refer to Page 2 – 3 for details. The requirements of BS standards are the same as those of EN standards respectively. Therefore, the EMC tests were performed according to EN standards.

Zustand des Prüfgegenstandes bei Anlieferung: *Condition of the test item at delivery:*	**Prüfmuster vollständig und unbeschädigt** *Test item complete and undamaged*

* Legende: P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet
Legend: P(ass) = passed a.m. test specifications(s) F(ail) = failed a.m. test specifications(s) N/A = not applicable N/T = not tested

Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.

This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.

V05

Models:
EM3J-bAc#&&&-*
EM3G-z$c#&&&-*

b= 04, 08;
z=09, 13 , 18, 29, 44, 55, 75;
$ stands for A or D to indicate input voltage, A = 200 V 3~, D=400 V, 3~;
c = L,K,F,T to indicate encoder type;
# stands for A-Z to indicate encoder soft edition;
& stands for 0-9 to indicate the mechanical structure of the shaft;
* stands for null to indicate general manufacturer;
* stands for 0-9 or A-Z or any other form to indicate client number.

No.	Type designation	Rated input voltage	Rated current	Rated output
EM3J series				
1.	EM3J-04Ac#&&&-*	200 V, 3~, 0 – 500 Hz	2.8 A	400 W
2.	EM3J-08Ac#&&&-*		5.1 A	800 W
EM3G series				
3.	EM3G-09Ac#&&&-*	200 V, 3~, 0 – 500 Hz	6.8 A	900 W
4.	EM3G-13Ac#&&&-*		9.7 A	1300 W
5.	EM3G-09Dc#&&&-*	400 V, 3~, 0 – 500 Hz	3.4 A	900 W
6.	EM3G-13Dc#&&&-*		5 A	1300 W
7.	EM3G-18Dc#&&&-*		7.1 A	1800 W
8.	EM3G-29Dc#&&&-*		11.5 A	2900 W
9.	EM3G-44Dc#&&&-*		16.8 A	4400 W
10.	EM3G-55Dc#&&&-*		19 A / 20.3 A	5500 W
11.	EM3G-75Dc#&&&-*		26.5 A	7500 W

Identities and differences:

1. The product is three phase servo motor which is composed of a synchronous motor and an encoder equipped on the motor.
2. In electrical characteristics, all the above models have different synchronous motors and encoders.
3. According to its characteristics, the synchronous motor produces little EM disturbance and is deemed to fulfill the immunity requirements of EN 61000-6-2:2005. Only the encoder needs EMC tests.

Therefore, all the EMC tests were performed on the models EM3J-04ALA211, EM3J-04AFA221 and EM3G09ALA214 as representatives.