

CERTIFICATE

of Conformity

Low Voltage Directive (EU) 2014/35

Registration No.: AN 50603040 0001
Report No.: 50147185 012
Holder: ESTUN AUTOMATION CO., LTD
No.1888,Jiyin Road,Jiangning Development Zone,
Nanjing,
211106 Jiangsu
P.R. China
Product: Electric motor
(AC Servo Motor)

Type designation listed on the next page

This certificate of conformity is based on an evaluation of a sample of the above-mentioned product. Technical Report and documentation are at the License Holder's disposal. This is to certify that the tested sample is in conformity with Annex I of Council Directive (EU) 2014/35, referred to as the Low Voltage Directive. This certificate does not imply assessment of the series-production of the product and does not permit the use of a TÜV Rheinland mark of conformity. The holder of the certificate is authorized to use this certificate in connection with the EC declaration of conformity according to Annex IV of the Directive.

Certification Body

Date: 2023-10-09


Wencai Zhang



TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

CE The CE marking may be used if all relevant and effective EC Directives/Regulations are complied with. CE

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Low Voltage Directive (EU) 2014/35

Registration No.: AN 50603040 0001

Product: Electric motor
(AC Servo Motor)

Identification: Type Designation
EM3A- Series EM3J- Series EM3R- Series
EM3D- Series EM3L- Series
(ESTUN)
Serial No.: Engineering sample

Remark: Refer to test report 50147185 012 for details.



TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

CE The CE marking may be used if all relevant and effective EC Directives/Regulations are complied with. CE

Summary of test:

- Added type designation EM3A- Series and EM3J- Series. The detailed technical information of the motors is as the following appended table 1.

Appended table 1

Main technical data of these types:

EM3A- Series

EM3A-xD##&&&-*

x = 10;

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 manufacture;

-* stands for - 0-9 or - A-Z or any other form to indicate client number.

No.	Type	Rated voltage (V)	Rated frequency (Hz)	Rated current (A)	Rated output (kW)	Rated torque (Nm)	Rated speed (r/min)	Protection degree	Frame no. (mm)	IM code	Method of cooling	Connection mode	No. of poles
1	EM3A-10DLA232	400V; 3~	250	3,8	1,0	3,183	3000	IP65	80	IM B5	IC410	Y	10
2	EM3A-10DLA242	400V; 3~	250	3,8	1,0	3,183	3000	IP65	80	IM B5	IC410	Y	10

EM3J- Series

EM3J-xD##&&&-*

x = 10;

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 manufacture;

-* stands for - 0-9 or - A-Z or any other form to indicate client number.

No.	Type	Rated voltage (V)	Rated frequency (Hz)	Rated current (A)	Rated output (kW)	Rated torque (Nm)	Rated speed (r/min)	Protection degree	Frame no. (mm)	IM code	Method of cooling	Connection mode	No. of poles
1	EM3J-10DKA221	400V; 3~	250	3,8	1,0	3,183	3000	IP65	80	IM B5	IC410	Y	10
2	EM3J-10DKA222	400V; 3~	250	3,8	1,0	3,183	3000	IP65	80	IM B5	IC410	Y	10
3	EM3J-10DKA241	400V; 3~	250	3,8	1,0	3,183	3000	IP65	80	IM B5	IC410	Y	10
4	EM3J-10DKA542	400V; 3~	250	3,8	1,0	3,183	3000	IP65	80	IM B5	IC410	Y	10
5	EM3J-10DLA221	400V; 3~	250	3,8	1,0	3,183	3000	IP65	80	IM B5	IC410	Y	10
6	EM3J-10DLA232	400V; 3~	250	3,8	1,0	3,183	3000	IP65	80	IM B5	IC410	Y	10
7	EM3J-10DLA241	400V; 3~	250	3,8	1,0	3,183	3000	IP65	80	IM B5	IC410	Y	10
8	EM3J-10DLA242	400V; 3~	250	3,8	1,0	3,183	3000	IP65	80	IM B5	IC410	Y	10

- Added type designation EM3R- Series. The detailed technical information of the motors is as the following appended table 2.

Appended table 2

Main technical data of these types:

EM3R- Series

EM3R-xA##&&&-*

EM3R-xD##&&&-*

x = 01; 55; 63 or 75;

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 manufacture;
- * stands for - 0-9 or - A-Z or any other form to indicate client number.

No.	Type	Rated voltage (V)	Rated frequency (Hz)	Rated current (A)	Rated output (kW)	Rated torque (Nm)	Rated speed (r/min)	Protection degree	Frame no. (mm)	IM code	Method of cooling	Connection mode	No. of poles
1	EM3R-01ALD236	200V; 3~	250	1,1	0,1	0,318	3000	IP65	60	IM B5	IC410	Y	10
2	EM3R-01ALD246	200V; 3~	250	1,1	0,1	0,318	3000	IP65	60	IM B5	IC410	Y	10
3	EM3R-55DLA245	400V; 3~	183,3	19	5,5	24,0	2200	IP65	180	IM B5	IC410	Y	10
4	EM3R-55DLA335	400V; 3~	183,3	19	5,5	24,0	2200	IP65	180	IM B5	IC410	Y	10
5	EM3R-55DLA345	400V; 3~	183,3	19	5,5	24,0	2200	IP65	180	IM B5	IC410	Y	10
6	EM3R-63DLA244	400V; 3~	166,7	28	6,3	30,0	2000	IP65	180	IM B5	IC410	Y	10
7	EM3R-63DLA344	400V; 3~	166,7	28	6,3	30,0	2000	IP65	180	IM B5	IC410	Y	10
8	EM3R-75DLA244	400V; 3~	166,7	33,5	7,5	35,8	2000	IP65	180	IM B5	IC410	Y	10

3. The test objects are AC servo motors, which are named as EM3D- Series and EM3L- Series, they are intended to be supplied from static converters.
4. EM3D- Series with air cooling method are with the same construction except different rated output and different core length, for which primary coolant is air, and secondary is air.
5. EM3L- Series with air cooling method are with the same construction except different rated output and different core length, for which primary coolant is air, and secondary is air.
6. Model EM3D-10ALA224 and EM3D-75DLA224 with air cooling method are selected as the samples for testing.
7. Model EM3L-10DLA224 and EM3L-40DLA224 with air cooling method are selected as the samples for testing.
8. The windings of all the types of motors are made of copper.
9. Their protection class depends on final application after installation. The detailed technical information of the motors is as the following appended table 3.

Appended table 3

Main technical data of these types:

EM3D- Series

EM3D-xA##&&-*

EM3D-xD##&&-*

x = 10; 15; 20; 30; 50; 60 or 75;

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 manufacture;

- * stands for - 0-9 or - A-Z or any other form to indicate client number.

No.	Type	Rated voltage (V)	Rated frequency (Hz)	Rated current (A)	Rated output (kW)	Rated torque (Nm)	Rated speed (r/min)	Protection degree	Frame no. (mm)	IM code	Method of cooling	Connection mode	No. of poles
1	EM3D-10ALA214	200V; 3~	167	6,4	1,0	4,78	2000	IP65	130	IM B5	IC410	Y	10
2	EM3D-10ALA224	200V; 3~	167	6,4	1,0	4,78	2000	IP65	130	IM B5	IC410	Y	10
3	EM3D-10ALA244	200V; 3~	167	6,4	1,0	4,78	2000	IP65	130	IM B5	IC410	Y	10
4	EM3D-10ATA224	200V; 3~	167	6,4	1,0	4,78	2000	IP65	130	IM B5	IC410	Y	10
5	EM3D-10ATA244	400V; 3~	167	6,4	1,0	4,78	2000	IP65	130	IM B5	IC410	Y	10
6	EM3D-10DLA214	400V; 3~	167	3,1	1,0	4,78	2000	IP65	130	IM B5	IC410	Y	10
7	EM3D-10DLA224	400V; 3~	167	3,1	1,0	4,78	2000	IP65	130	IM B5	IC410	Y	10

8	EM3D-10DLA244	400V; 3~	167	3,1	1,0	4,78	2000	IP65	130	IM B5	IC410	Y	10
9	EM3D-10DTA224	400V; 3~	167	3,1	1,0	4,78	2000	IP65	130	IM B5	IC410	Y	10
10	EM3D-10DTA244	400V; 3~	167	3,1	1,0	4,78	2000	IP65	130	IM B5	IC410	Y	10
11	EM3D-15ALA214	200V; 3~	167	8,8	1,5	7,17	2000	IP65	130	IM B5	IC410	Y	10
12	EM3D-15ALA224	200V; 3~	167	8,8	1,5	7,17	2000	IP65	130	IM B5	IC410	Y	10
13	EM3D-15ALA244	200V; 3~	167	8,8	1,5	7,17	2000	IP65	130	IM B5	IC410	Y	10
14	EM3D-15ATA224	200V; 3~	167	8,8	1,5	7,17	2000	IP65	130	IM B5	IC410	Y	10
15	EM3D-15ATA244	200V; 3~	167	8,8	1,5	7,17	2000	IP65	130	IM B5	IC410	Y	10
16	EM3D-15DLA214	400V; 3~	167	4,7	1,5	7,17	2000	IP65	130	IM B5	IC410	Y	10
17	EM3D-15DLA224	400V; 3~	167	4,7	1,5	7,17	2000	IP65	130	IM B5	IC410	Y	10
18	EM3D-15DLA244	400V; 3~	167	4,7	1,5	7,17	2000	IP65	130	IM B5	IC410	Y	10
19	EM3D-15DTA224	400V; 3~	167	4,7	1,5	7,17	2000	IP65	130	IM B5	IC410	Y	10
20	EM3D-15DTA244	400V; 3~	167	4,7	1,5	7,17	2000	IP65	130	IM B5	IC410	Y	10
21	EM3D-20ALA214	200V; 3~	167	12,5	2,0	9,55	2000	IP65	130	IM B5	IC410	Y	10
22	EM3D-20ALA224	200V; 3~	167	12,5	2,0	9,55	2000	IP65	130	IM B5	IC410	Y	10
23	EM3D-20ALA244	200V; 3~	167	12,5	2,0	9,55	2000	IP65	130	IM B5	IC410	Y	10
24	EM3D-20ALA245	200V; 3~	167	12,5	2,0	9,55	2000	IP65	130	IM B5	IC410	Y	10
25	EM3D-20ATA224	200V; 3~	167	12,5	2,0	9,55	2000	IP65	130	IM B5	IC410	Y	10
26	EM3D-20ATA244	200V; 3~	167	12,5	2,0	9,55	2000	IP65	130	IM B5	IC410	Y	10
27	EM3D-20DLA214	400V; 3~	167	6,1	2,0	9,55	2000	IP65	130	IM B5	IC410	Y	10
28	EM3D-20DLA224	400V; 3~	167	6,1	2,0	9,55	2000	IP65	130	IM B5	IC410	Y	10
29	EM3D-20DLA244	400V; 3~	167	6,1	2,0	9,55	2000	IP65	130	IM B5	IC410	Y	10
30	EM3D-20DTA224	400V; 3~	167	6,1	2,0	9,55	2000	IP65	130	IM B5	IC410	Y	10
31	EM3D-20DTA244	400V; 3~	167	6,1	2,0	9,55	2000	IP65	130	IM B5	IC410	Y	10
32	EM3D-30DLA214	400V; 3~	167	9,1	3,0	14,3	2000	IP65	180	IM B5	IC410	Y	10
33	EM3D-30DLA224	400V; 3~	167	9,1	3,0	14,3	2000	IP65	180	IM B5	IC410	Y	10
34	EM3D-30DLA244	400V; 3~	167	9,1	3,0	14,3	2000	IP65	180	IM B5	IC410	Y	10
35	EM3D-30DTA224	400V; 3~	167	9,1	3,0	14,3	2000	IP65	180	IM B5	IC410	Y	10
36	EM3D-30DTA244	400V; 3~	167	9,1	3,0	14,3	2000	IP65	180	IM B5	IC410	Y	10
37	EM3D-50DLA224	400V; 3~	167	14,5	5,0	23,9	2000	IP65	180	IM B5	IC410	Y	10
38	EM3D-50DLA244	400V; 3~	167	14,5	5,0	23,9	2000	IP65	180	IM B5	IC410	Y	10
39	EM3D-50DTA224	400V; 3~	167	14,5	5,0	23,9	2000	IP65	180	IM B5	IC410	Y	10
40	EM3D-50DTA244	400V; 3~	167	14,5	5,0	23,9	2000	IP65	180	IM B5	IC410	Y	10
41	EM3D-60DLA224	400V; 3~	167	17,1	6,0	28,7	2000	IP65	180	IM B5	IC410	Y	10
42	EM3D-60DLA244	400V; 3~	167	17,1	6,0	28,7	2000	IP65	180	IM B5	IC410	Y	10
43	EM3D-60DTA224	400V; 3~	167	17,1	6,0	28,7	2000	IP65	180	IM B5	IC410	Y	10
44	EM3D-60DTA244	400V; 3~	167	17,1	6,0	28,7	2000	IP65	180	IM B5	IC410	Y	10
45	EM3D-75DLA224	400V; 3~	167	20,8	7,5	35,8	2000	IP65	180	IM B5	IC410	Y	10
46	EM3D-75DLA244	400V; 3~	167	20,8	7,5	35,8	2000	IP65	180	IM B5	IC410	Y	10
47	EM3D-75DTA224	400V; 3~	167	20,8	7,5	35,8	2000	IP65	180	IM B5	IC410	Y	10
48	EM3D-75DTA244	400V; 3~	167	20,8	7,5	35,8	2000	IP65	180	IM B5	IC410	Y	10

EM3L- Series

EM3L-xD##&&-*

x = 10; 20; 30 or 40;

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 manufacture;

-* stands for - 0-9 or - A-Z or any other form to indicate client number.

No.	Type	Rated voltage (V)	Rated frequency (Hz)	Rated current (A)	Rated output (kW)	Rated torque (Nm)	Rated speed (/min)	Protection degree	Frame no. (mm)	IM code	Method of cooling	Connection mode	No. of poles
1	EM3L-10DLA224	400V, 3~	83	3,1	1,0	9,55	1000	IP65	130	IM B5	IC410	Y	10
2	EM3L-10DLA244	400V, 3~	83	3,1	1,0	9,55	1000	IP65	130	IM B5	IC410	Y	10
3	EM3L-10DTA224	400V, 3~	83	3,1	1,0	9,55	1000	IP65	130	IM B5	IC410	Y	10
4	EM3L-10DTA244	400V, 3~	83	3,1	1,0	9,55	1000	IP65	130	IM B5	IC410	Y	10
5	EM3L-20DLA224	400V, 3~	83	5,2	2,0	19,1	1000	IP65	180	IM B5	IC410	Y	10
6	EM3L-20DLA244	400V, 3~	83	5,2	2,0	19,1	1000	IP65	180	IM B5	IC410	Y	10
7	EM3L-20DTA224	400V, 3~	83	5,2	2,0	19,1	1000	IP65	180	IM B5	IC410	Y	10
8	EM3L-20DTA244	400V, 3~	83	5,2	2,0	19,1	1000	IP65	180	IM B5	IC410	Y	10
9	EM3L-30DLA224	400V, 3~	83	8,6	3,0	28,7	1000	IP65	180	IM B5	IC410	Y	10
10	EM3L-30DLA244	400V, 3~	83	8,6	3,0	28,7	1000	IP65	180	IM B5	IC410	Y	10
11	EM3L-30DTA224	400V, 3~	83	8,6	3,0	28,7	1000	IP65	180	IM B5	IC410	Y	10
12	EM3L-30DTA244	400V, 3~	83	8,6	3,0	28,7	1000	IP65	180	IM B5	IC410	Y	10
13	EM3L-40DLA224	400V, 3~	83	10,9	4,0	38,2	1000	IP65	180	IM B5	IC410	Y	10
14	EM3L-40DLA244	400V, 3~	83	10,9	4,0	38,2	1000	IP65	180	IM B5	IC410	Y	10
15	EM3L-40DTA224	400V, 3~	83	10,9	4,0	38,2	1000	IP65	180	IM B5	IC410	Y	10
16	EM3L-40DTA244	400V, 3~	83	10,9	4,0	38,2	1000	IP65	180	IM B5	IC410	Y	10

10. The information of importer which is its name, registered trade name or registered trade mark and the postal address will be indicated in the manual.