

# EURA DRIVES Electric Co., Ltd.

## TEST REPORT

**SCOPE OF WORK:**

EMC directive (2014/30/EU) – EMC report

**Model:**

See Appendix

**REPORT NUMBER**

200600158SHA-001

**ISSUE DATE**

June 24, 2020

**DOCUMENT CONTROL NUMBER**

TTRFamend\_V1  
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**Applicant** : **EURA DRIVES Electric Co., Ltd.**  
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**Manufacturer** : **EURA DRIVES Electric Co., Ltd.**  
**NO. 17 Fuzhou Rd, Economic & Technical Development Zone,**  
**Yantai, Shandong 264006, CHINA**

**Manufacturing site** : **EURA DRIVES Electric Co., Ltd.**  
**NO. 17 Fuzhou Rd, Economic & Technical Development Zone,**  
**Yantai, Shandong 264006, CHINA**

### Summary

The equipment complies with the requirements according to the following standard(s) or Specification:

**EN IEC 61800-3:2018:** Adjustable speed electrical power drive systems — Part 3: EMC requirements and specific test methods

#### PREPARED BY:

#### REVIEWED BY:

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Project Engineer



Edwin Xu  
Reviewer



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<b>Product Description</b>	: <b>Inverter</b>
<b>Type/Model(s)</b>	: <b>See Appendix</b>
<b>Rating(s)</b>	: <b>See Appendix</b>
<b>Brand name</b>	: <b>EURA</b>
<b>Base testing laboratory</b>	: <b>Intertek Testing Services Shanghai</b>
<b>Conclusion:</b> <p>The report is based on the original test report 160900756SHA-001 dated November 04, 2016, 160701021SHA-002 dated August 10, 2016, 150702708SHA-002 dated August 20, 2015, 150702708SHA-003 dated August 20, 2015, 150702709SHA-001 dated December 03, 2015, 150702709SHA-004 dated December 03, 2015, was modified on June 24, 2020 to include the following additions and/or changes:</p> <ul style="list-style-type: none"><li>(1) Updated standards to the latest version.</li><li>(2) Updated the address of Applicant/ Manufacturer/ Manufacturing site.</li><li>(3) The unified series is called E2X00.</li><li>(4) Modified the parameter of S2 series &amp;T2 series from 220~240V AC to 200~240V AC.</li></ul> <p>After technical evaluation, no test was performed again. For further information see 160900756SHA-001, 160701021SHA-002, 150702708SHA-002, 150702708SHA-003, 150702709SHA-001, 150702709SHA-004.</p> <p>This amendment test report should be read in conjunction with the based test report.</p>	

### Revision History

Report No.	Version	Description	Issued Date
200600158SHA-001	Rev. 01	Initial issue of report	June 24, 2020

## Measurement result summary

TEST ITEM	RESULT	NOTE
Power port disturbance voltage	Pass	In situ
Radiation-Enclosure port	Pass	In situ
Commutation notches(emission)	Pass	<b>a</b>
Harmonics and interharmonics	See Note b	<b>b</b>
Voltage fluctuations	NA	<b>c</b>
ESD	Pass	Test site
Fast transient-burst	Pass	Test site
Surge	Pass	Test site
Conducted radio-frequency common mode	Pass	Test site
Radio-frequency electromagnetic field, amplitude modulated	Pass	Test site
Harmonics - THD	Pass	Test site
Harmonics - Individual harmonic orders	Pass	Test site
Commutation notches(immunity)	Pass	Test site
Voltage deviations (> 60 s)	Pass	Test site
Voltage dips	Pass	Test site
Short interruptions	Pass	Test site
Voltage unbalance	Pass	Test site
Frequency variations	Pass	Test site
Frequency rate of change	Pass	Test site

NA =Not Applicable

**Notes:**

**a:** CDM employ diode rectifiers, according to the chapter 6.2.2 of EN 61800-3:2004/+A1:2012, so emission of notches need not be considered.

**b:** See the declaration (Appendix II).

**c:** CDM listed in this report is PDS for Category C3, so which is not in the scope of IEC 61000-3-3 and IEC 61000-3-11, according to the chapter 6.2.4.3 of EN 61800-3:2004/+A1:2012, so emission of voltage fluctuations need not be considered.

**d:** Determination of the test conclusion is based on IEC Guide 115 in consideration of measurement uncertainty.

**e:** Additions, Deviations and Exclusions from Standards: None

## APPENDIX

Model	Power (KW)	Rating
E2X00-0002S2	0.2	one-phase 200~240V AC, 50Hz/60Hz
E2X00-M0002S2	0.2	
E2X00-0004S2	0.4	
E2X00-M0004S2	0.4	
E2X00-0007S2	0.75	
E2X00-M0007S2	0.75	
E2X00-0015S2	1.5	
E2X00-M0015S2	1.5	
E2X00-0022S2	2.2	
E2X00-M0022S2	2.2	
E2X00-0002T2	0.2	
E2X00-M0002T2	0.2	
E2X00-0004T2	0.4	
E2X00-M0004T2	0.4	
E2X00-0007T2	0.75	
E2X00-M0007T2	0.75	
E2X00-0015T2	1.5	
E2X00-M0015T2	1.5	
E2X00-0022T2	2.2	
E2X00-M0022T2	2.2	
E2X00-0030T2	3.0	
E2X00-M0030T2	3.0	
E2X00-0040T2	4.0	
E2X00-M0040T2	4.0	
E2X00-0055T2	5.5	
E2X00-M0055T2	5.5	
E2X00-0075T2	7.5	
E2X00-M0075T2	7.5	
E2X00-0110T2	11	
E2X00-M0110T2	11	
E2X00-0150T2	15	
E2X00-M0150T2	15	
E2X00-0002T3	0.2	three phase 380~480V AC 50Hz/60Hz
E2X00-0004T3	0.4	
E2X00-0007T3	0.75	

E2X00-M0007T3	0.75	three phase 380~480V AC 50Hz/60Hz
E2X00-P0007T3	0.75	
E2X00-Q0007T3	0.75	
E2X00-0015T3	1.5	
E2X00-M0015T3	1.5	
E2X00-P0015T3	1.5	
E2X00-Q0015T3	1.5	
E2X00-0022T3	2.2	
E2X00-M0022T3	2.2	
E2X00-P0022T3	2.2	
E2X00-Q0022T3	2.2	
E2X00-0030T3	3	
E2X00-M0030T3	3	
E2X00-P0030T3	3	
E2X00-Q0030T3	3	
E2X00-0040T3	4	
E2X00-M0040T3	4	
E2X00-P0040T3	4	
E2X00-Q0040T3	4	
E2X00-0055T3	5.5	
E2X00-M0055T3	5.5	
E2X00-P0055T3	5.5	
E2X00-Q0055T3	5.5	
E2X00-0075T3	7.5	
E2X00-M0075T3	7.5	
E2X00-P0075T3	7.5	
E2X00-Q0075T3	7.5	
E2X00-0110T3	11	
E2X00-M0110T3	11	
E2X00-P0110T3	11	

E2X00-Q0110T3	11	
E2X00-0150T3	15	
E2X00-M0150T3	15	
E2X00-P0150T3	15	
E2X00-Q0150T3	15	
E2X00-0185T3	18.5	
E2X00-M0185T3	18.5	
E2X00-P0185T3	18.5	
E2X00-Q0185T3	18.5	
E2X00-0220T3	22	
E2X00-M0220T3	22	
E2X00-P0220T3	22	
E2X00-Q0220T3	22	three phase 380~480V AC 50Hz/60Hz
E2X00-0300T3	30	
E2X00-M0300T3	30	
E2X00-P0300T3	30	
E2X00-Q0300T3	30	
E2X00-0370T3	37	
E2X00-M0370T3	37	
E2X00-P0370T3	37	
E2X00-Q0370T3	37	
E2X00-0450T3	45	
E2X00-M0450T3	45	
E2X00-P0450T3	45	
E2X00-Q0450T3	45	
E2X00-0550T3	55	
E2X00-P0550T3	55	
E2X00-Q0550T3	55	
E2X00-0750T3	75	
E2X00-P0750T3	75	



E2X00-Q0750T3	75	
E2X00-0900T3	90	
E2X00-P0900T3	90	
E2X00-Q0900T3	90	
E2X00-1100T3	110	
E2X00-P1100T3	110	
E2X00-Q1100T3	110	
E2X00-1320T3	132	
E2X00-P1320T3	132	
E2X00-Q1320T3	132	
E2X00-1600T3	160	
E2X00-P1600T3	160	
E2X00-Q1600T3	160	
E2X00-1800T3	180	
E2X00-P1800T3	180	
E2X00-Q1800T3	180	
E2X00-2000T3	200	
E2X00-P2000T3	200	
E2X00-Q2000T3	200	
E2X00-2200T3	220	
E2X00-P2200T3	220	
E2X00-Q2200T3	220	
E2X00-2500T3	250	
E2X00-P2500T3	250	
E2X00-Q2500T3	250	
E2X00-2800T3	280	
E2X00-P2800T3	280	
E2X00-Q2800T3	280	
E2X00-3150T3	315	
E2X00-P3150T3	315	

E2X00-Q3150T3	315	
E2X00-3550T3	355	
E2X00-P3550T3	355	
E2X00-Q3550T3	355	
E2X00-4000T3	400	
E2X00-P4000T3	400	
E2X00-Q4000T3	400	

X : 0 ~ 9, different numbers represent different countries.

\*\*\*END of the report\*\*\*