



210002344522



(2020)国认监认字(134)号



中国认可  
国际互认  
检测  
TESTING  
CNAS L0454

Report No.T14-F350-22-010

## Special Equipment Type Test Report (Lift)

**Category of equipment:** Lift safety protection component

**Type of equipment:** Ascending car overspeed protection means  
(speed reducing elements)

**Name of product:** Traction machine brake

**Model of product:** EMK12K

**Applicant:** Shanghai Mona Drive Equipment Co., Ltd.

**Manufacturer:** Shanghai Mona Drive Equipment Co., Ltd.

**Category of type test:** Second check

**Test date:** 2022-02-21

**NETEC Inspection and Testing (Beijing) Co., Ltd.**  
**National Elevator Inspection and Testing Center**

# NOTICE

1. Type test report is based on the *TSG T7007—2016 Regulation for type tests of lifts*.
2. *NETEC Inspection and Testing (Beijing) Co., Ltd.* is the impersonal entity of *National Elevator Inspection and Testing Center*, the abbreviation and logo of *NETEC Inspection and Testing (Beijing) Co., Ltd. (National Elevator Inspection and Testing Center)* both are NETEC.
3. Type test report is invalid without signatures of test, verification, approval, without approval certificate of type test institute number or issue date, without stamping the Test Report Specialized Stamp or paging seal.
4. Each type test certificate (hereinafter referred to as the certificate) issued by NETEC is corresponding to at least one type test report with the test conclusion is certificated.
5. Certificate is invalid without stamping the *Test Report Specialized Stamp* or issue date.
6. All contents of the test report and certificate issued by NETEC shall be printed out by computer except for the signature of the person in charge. Handwriting or any alteration is invalid, and any partial copy is also invalid.
7. Type test report is only valid for the sample. Applicant is responsible for the authenticity of the information and technical documents of the sample.
8. Different opinions about type test conclusion should be reported to NETEC in writing within 15 workdays since receiving of type test report or certificate.
9. Paper version of the test report and certificate issued by NETEC in triplicate, NETEC files one, applicant keeps the other two.
10. Type test report and certificate should be subject to the Chinese version, while the English version is for reference only.

## NETEC Contact

Add: 61 Jinguang Ave., Guangyang District, Langfang, Hebei 065000, P.R.China

Tel: +86 316 2311414, +86 316 2632627 Fax: +86 316 2057334

Email: [netec@chinaelevator.org](mailto:netec@chinaelevator.org)

Http://[www.netec-china.com](http://www.netec-china.com)

# Contents

Lift type test report.....	Page 1
1 Technical parameters and configuration of the sample.....	Page 2
2 Check the technical documents.....	Page 3
3 Check and test the sample.....	Page 3
4 Sample photo.....	Page 4
5 Change information of type test report.....	Page 4



Category of equipment	Lift safety protection component		
Type of equipment	Ascending car overspeed protection means(speed reducing elements)		
Name of product	Traction machine brake	Model of product	EMK12K
Product number	YF2211330/YF2211331	Manufacturing date	2022-01-10
Applicant unified social credit code		91310117759003581L	
Applicant	Shanghai Mona Drive Equipment Co., Ltd.		
Registered address of applicant	No.575,Taogan Road, Sheshan Town, Songjiang District, Shanghai		
Manufacturer	Shanghai Mona Drive Equipment Co., Ltd.		
Registered address of manufacturer	No.575,Taogan Road, Sheshan Town, Songjiang District, Shanghai		
Manufacturing address	No.66, changfengdang Road, Lili Town, Wujiang District, Suzhou City, Jianguo Province		
Receiving date	2022-01-27	Sample No.	C2022-0117
Sample state	Normal	Category of type test	Second check
Test place	NETEC	Test date	2022-02-21
Test condition	Ambient temperature: 15.6℃, Relative humidity: 40%, Voltage: DC 110V		
Test basis	TSG T7007—2016 Regulation for type tests of lifts GB 7588—2003+XG1—2015 EN 81-20:2014, EN 81-50:2014		
Test conclusion	Certificated.		
Reported by: 杨国栋	Approval certificate of type test institute No. TS7610014—2025  Issue date: 2022-03-04		
Verified by: 苏建			
Issued by: 孙建			

检测  
★  
验报  
(电  
★  
量  
★  
验报  
(电

## 1 Technical parameters and configuration of the sample

Name of product	Traction machine brake	Model of product	EMK12K
Applicable environment	Indoor	Explosion protection type	/
System total mass range	1750kg~5800kg	Rated load range	630kg~2000kg
Type of the brake components	Traction machine brake	Car mass range	749kg~2400kg
Balance coefficient range	0.40~0.50	Suspension ratio	2:1
Speed range of the braked components when the means acts	0.81m/s~8.98m/s	Use of compensation chains or ropes	Compensation chain or rope can be used
Speed monitoring element	Name	Overspeed governor	
	Model	/	
	Rated speed range	0.25m/s~2.50m/s	
	Tripping speed range	Application: 0.29m/s~3.23m/s	
Traction machine brake	Model	EMK12K	
	Structure type	Drum type without brake arm	
	Action position	Traction sheave	
	Quantity	2 sets	
	Material of friction element	Non asbestos friction plate	
	Tripping mode	Electrical trigger	
	Type of elastic element	Cylindrical helical compression spring	
Consistency with the first type test sample	<p>(1) The basic information of the product is consistent with that of the type test sample;</p> <p>(2) Main configuration changes of products and type test samples: the dead weight range of lift car is changed from "750kg~2240kg" to "749~2240kg"</p>		

## 2 Check the technical documents

No.	Items No.	Check items	Check results	Conclusion
1	Q5.1	Conformity certificate document and relative technical document	Comply with requirements	Pass
2	Q5.2	Technical document for main construction parameter	Comply with requirements	Pass
3	Q5.3	Application range and design document	Comply with requirements	Pass

## 3 Check and test the sample

No.	Items No.	Test items	Test results	Conclusion
1	Q6.1	Position acted on by the speed reducing element	Comply with requirements	Pass
2	Q6.2.1	General requirements	Comply with requirements	Pass
3	Q6.2.2	Safety gear	/	/
4	Q6.2.3	Wire rope brake	/	/
5	Q6.2.4	Traction machine brake	Comply with requirements	Pass
6	Q6.3	Requirements for the means requiring external energy to operate	Compression spring with guide	Pass
7	Q6.4	Electric safety device	Comply with requirements	Pass
8	Q6.5	The release of the means shall not require the access to the car or counterweight	Comply with requirements	Pass
9	Q6.6	Tripping tests for different tripping modes	/	/
10	Q6.7	Reset tests for different reset modes	/	/
11	Q6.10	Nameplate	Comply with requirements	Pass

## 4 Sample photo



## 5 Change information of type test report

When the name or address of the applicant and the overseas manufacturer changed, the applicant should submit the change application and the corresponding supporting information to NETEC. After confirmation, NETEC should indicate the change on the attached page "change information of type test report", take back the original type test certificate and issue a new one.

---