



عمران مدرن
بازار نوین ارتباطات ساختمانی

نصب آسانسور و تهیه کلیه قطعات

سراسر کشور



با قیمت استثنایی و اکیپ متخصص

برای مشاوره رایگان تماس بگیرید

02162999675



Special Equipment Type Test Report (Lifts)

Classification : Safety device

Varieties : Ascending car overspeed protection means

Product name : Ascending car overspeed protection means

Product model : MEKB

Manufacturer : ZheJiang MATO Drive Equipment Co.,Ltd.

Applicant : ZheJiang MATO Drive Equipment Co.,Ltd.

Category of test : First verification

Test date : 2018-06-08

Shanghai Jiao Tong University
Elevator Test Center



NOTICE

- 1、 The report is the result of the type test according to the “Regulation for type test of elevators”(TSG T7007-2016).
- 2、 The report is printed by computer and will be invalid with any modification.
- 3、 The report will be invalid without the signature of approve、 verify and compile person .It will also be invalid without the certification number、 the official and cross-page stamp of the testing unit.
- 4、 In the entrusted test, we are only responsible for the sample.
- 5、 It is forbidden to copy the report partly without the permission of the testing unit. The partly copied report will be invalid.
- 6、 Any dissent to the report must be put forward to the testing unit within 15 working days from receiving it, otherwise, it is considered that you have accepted the report.
- 7、 The sample will not be handed back because of normal wear, the others will be dealt with according to the regulation concerned.
- 8、 One of the quadruplicated reports is saved by the testing unit,the other three are saved by the applicant.
- 9、 Information for contacting to the testing unit:

Shanghai Jiao Tong University Elevator Test Center

**Room 210, No.B of Advanced manufacture Building, School of
Mechanical Engineering, No.800 of Dongchuan Road, Shanghai, P.R.
China**

Tel: 86-21-34207035/34207036

Fax: 86-21-34207035/34207036-814



SJTUETC

Type Tests Report

No: ETC18F350YZ036

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| | | | |
|---------------------------------------|--|--|--|
| Classification | Safety device | Varieties | Ascending car overspeed protection means |
| Product name | Ascending car overspeed protection means | Product model | MEKB |
| Product number | M051700989 | Date of manufacturing | 2018-03-15 |
| Applicable product models | / | | |
| Applicant | ZheJiang MATO Drive Equipment Co.,Ltd. | | |
| Registered address of applicant | workshops 1#, building 3, No.2688 West Nianfeng Road, Nanxun District, Huzhou City, Zhejiang Province | | |
| Manufacturer | ZheJiang MATO Drive Equipment Co.,Ltd. | | |
| Registered address of manufacturer | workshops 1#, building 3, No.2688 West Nianfeng Road, Nanxun District, Huzhou City, Zhejiang Province | | |
| Manufacturing address | workshops 1#, building 3, No.2688 West Nianfeng Road, Nanxun District, Huzhou City, Zhejiang Province | | |
| Location of test | Shanghai Jiao Tong University Elevator Test Center | | |
| Status of sample | OK | Test date | 2018-06-08 |
| Test conditions | OK | Category of test | First verification |
| Codes or rules compliant | TSG T7007-2016,GB7588-2003+XG1-2015,EN 81-20:2014,EN 81-50:2014 | | |
| Test conclusion | Tests passed | | |
| Experimenter: 陈冲 | Date: 20180608 | Approved certificate serial number: TS7610022-2021 Shanghai Jiao Tong University Elevator Test Center 检验报告专用章 Date of issue: 2018-06-08 | |
| Verifier: 洪荣凯 | Date: 2018-06-08 | | |
| Approver: 张朋 | Date: 2018-06-08 | | |



**1、 Main technical parameters and configurations**

| | | | | |
|--|---|--------------------------------------|--|---------------------------------|
| Applied environment | | Indoors | Explosion-proof type | / |
| Range of system mass permitted | | 1350~3600(kg) | Range of rated load | 320~1050(kg) |
| Style | | Traction machine brake | Range of weight of car | 550~1500(kg) |
| Range of balance coefficient | | 0.4~0.5 | Test traction ratio | 2:1 |
| The speed range of the brake member during operation | | / | Use of balance Chain or rope | Can be used |
| Speed reducing elements | Name | Overspeed governor | Model | / |
| | Rated speed | ≤2.5m/s | Acted speed | ≤3.55m/s |
| Rope gripper | Model | / | Acted position | / |
| | Elastic element type | / | Elastic component specifications | / |
| | Tripping method | / | Released method | / |
| | Friction element shape | / | Friction element material | / |
| | Style of rope and applied standard | / | Number of ropes | / |
| Safety gear installed in car or counterweight | Name | / | Model | / |
| | Type | / | Material of guide | / |
| | Pulling way | / | Elastic element type | / |
| | Clamping (brake) element type | / | Material of clamping (braking) elements | / |
| | Number of clamping (braking) elements | / | Friction surface dimensions of clamping (braking) elements | / |
| | Hardness of guide rails' surface(HB) | / | Width of guide rails' guiding surface (mm) | / |
| | Processing method of the guide rails' surface | / | Condition of the guide rails' surface | / |
| Brakes acted on the traction sheave | Model | MEKB | Structure | Block |
| | Acted position | On the shaft of the traction sheave | Number | 2 |
| | Friction element material | Asbestos-free carbon fibers MTA469C1 | Tripping method | Act in the event of supply loss |
| | Elastic element type | Cylindrical coil spring | Diameter of brake wheel | Φ500mm |

**2、 Technical documents review of the example**

| No. | Item number | Items | Results | Conclusion |
|-----|-------------|--|-----------------|------------|
| 1 | Q5.1 | Copies of certificates or test reports | Pass | Ok |
| 2 | Q5.2 | Technical Parameters | Pass | Ok |
| 3 | Q5.3 | Main design pattern | Pass | Ok |
| 4 | -- | Applicable product technical information | Inapplicability | / |

3、 Reviews for technical documents of the sample

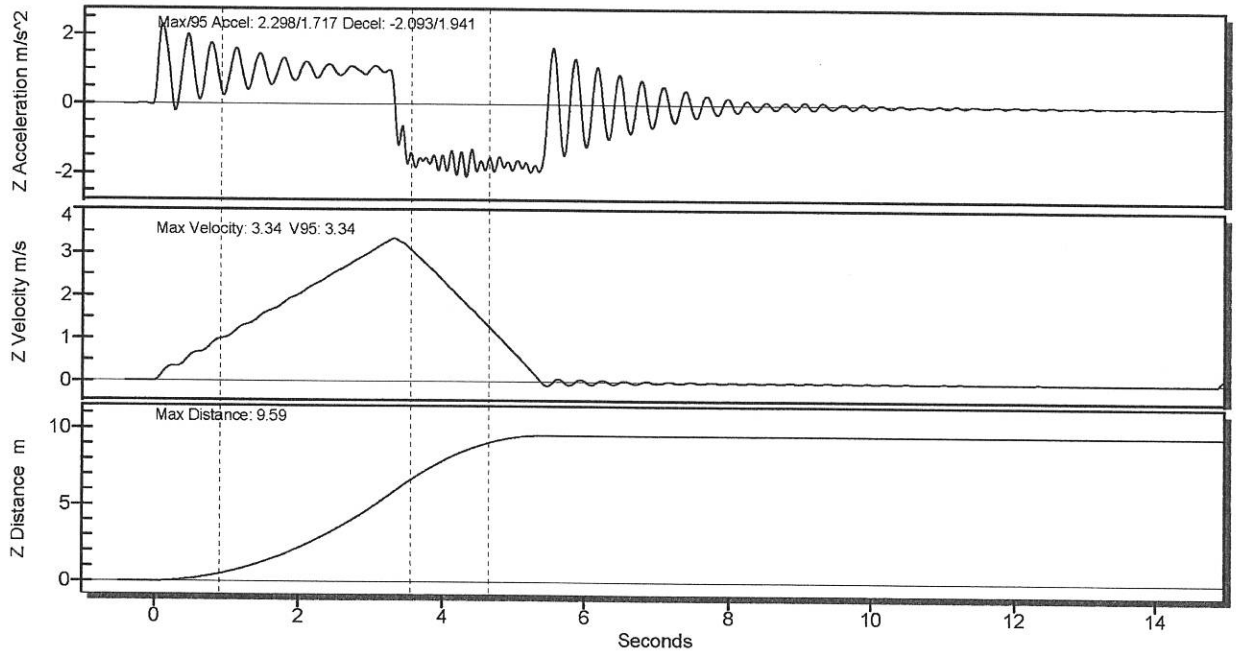
| No. | Item number | Items | Results | Conclusion |
|-----|-------------|----------------------------|-------------------------------------|------------|
| 1 | Q6.1 | Acted position | On the shaft of the traction sheave | Ok |
| 2 | Q6.2.1 | Stop test | Pass | Ok |
| 3 | Q6.3 | External energy to operate | Pass | Ok |
| 4 | Q6.4 | Electric safety device | Pass | Ok |
| 5 | Q6.5 | Release after tests | Pass | Ok |
| 6 | Q6.6 | Tripping method | Electrical trigger | / |
| 7 | Q6.7 | Released method | Automatic reset | / |
| 8 | Q6.8 | Tripping force(N) | Electrical trigger | / |
| 9 | Q6.9 | Tripping distance(mm) | Electrical trigger | / |
| 10 | Q6.10 | Nameplate | Pass | Ok |

Annex

1.Data plot

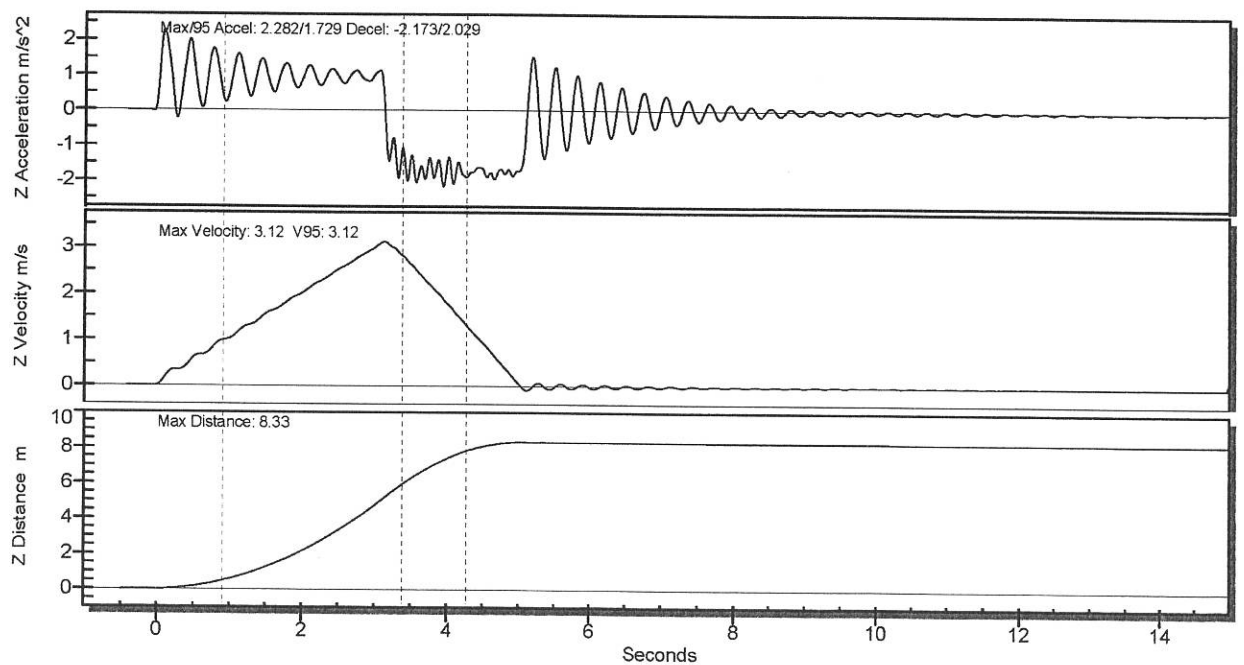
Plot of deceleration for the 1st free fall test

(Traction ratio 2:1, car mass 1500kg, counterweight 2000kg corresponding rated load 1050kg and rated speed 2.5m/s)



Plot of deceleration for the 2nd free fall test

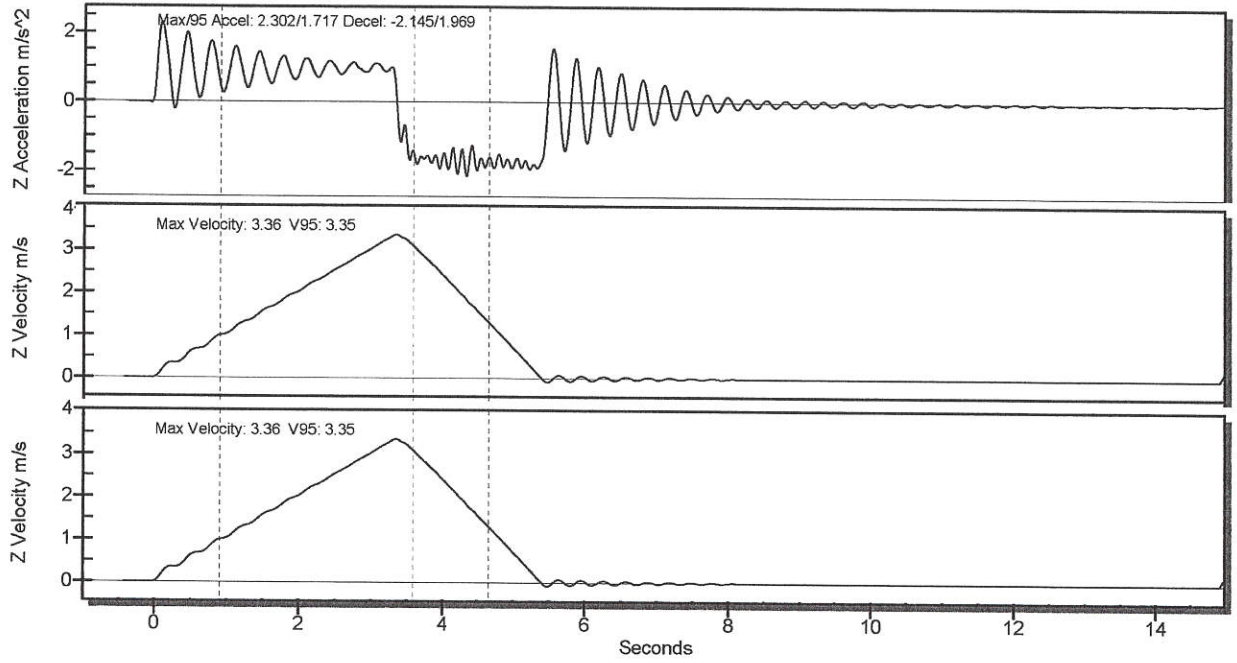
(Traction ratio 2:1, car mass 1500kg, counterweight 2000kg corresponding rated load 1050kg and rated speed 2.5m/s)





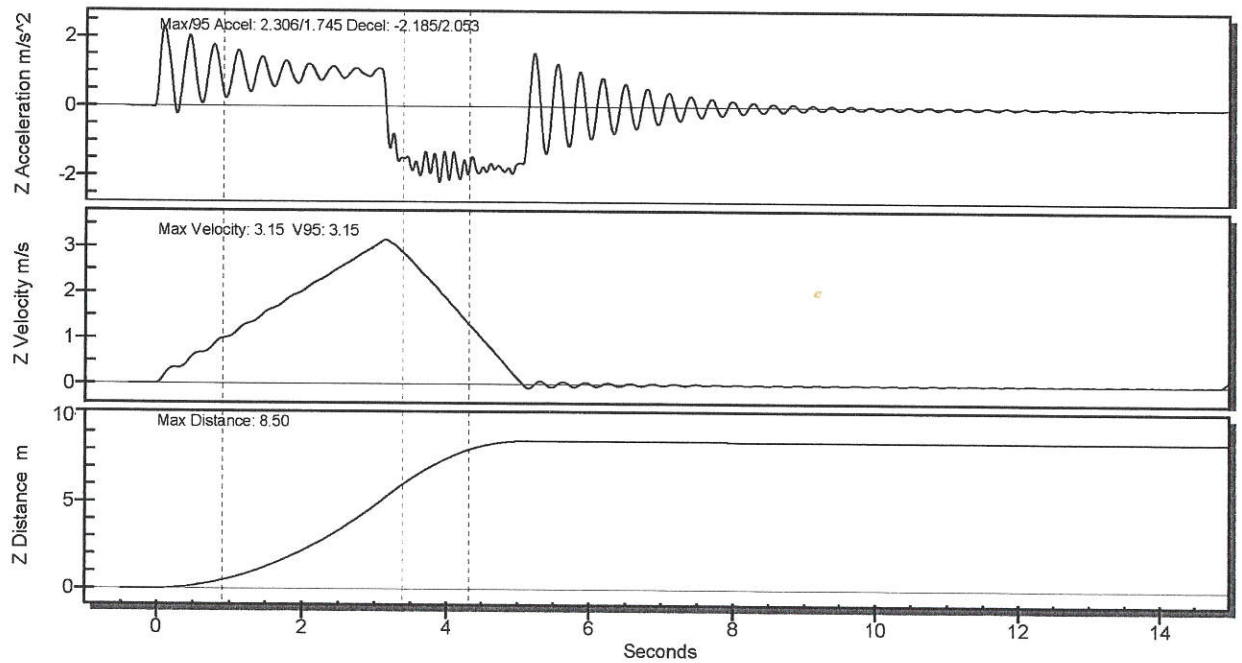
Plot of deceleration for the 3rd free fall test

(Traction ratio 2:1, car mass 1500kg, counterweight 2000kg corresponding rated load 1050kg and rated speed 2.5m/s)



Plot of deceleration for the 4th free fall test

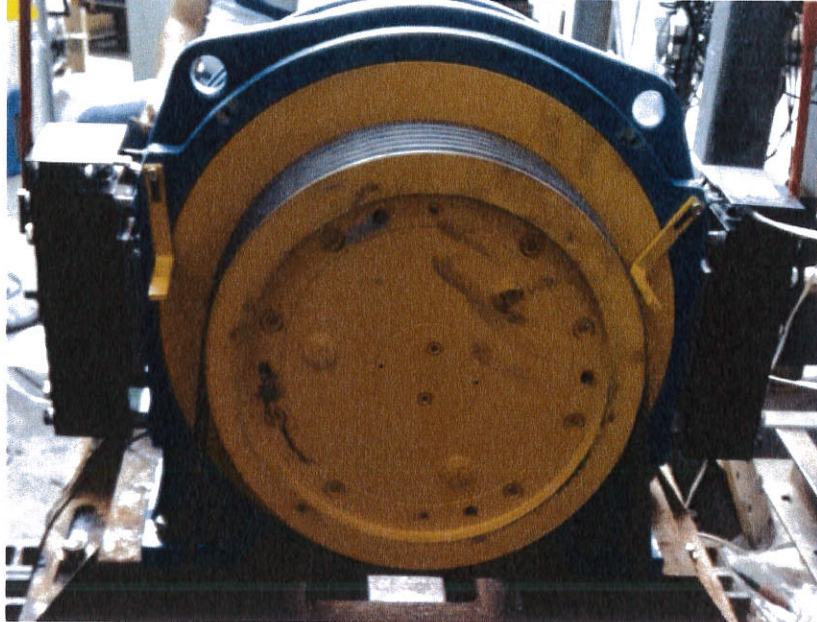
(Traction ratio 2:1, car mass 1500kg, counterweight 2000kg corresponding rated load 1050kg and rated speed 2.5m/s)



上海交通大学



2. Photograph of the sample



3. Note:

3.1 The system mass includes not only the mass of the car and the counterweight, but also the mass of traction rope, compensation chain /rope and traveling cable. In the test, their total mass are 100kg.

3.2 The figures of displacement and velocity, not responses of direct tests, are the results of deceleration's integral.

3.3 This type is a consistency verification, selected the rules of elevator type test(TSG T7007-2016).The provisions of part of the project were tested.

5. Explanation of modification: No.