Report No. T14-F380-23-146

Special Equipment Type Test Report (Lift)

Category of equipment:	**Lift safety protection component**
Type of equipment:	**Unintended car movement protection means**
Name of product:	**Traction machine brake**
Model of product:	**DZE**
Applicant:	**Shenyang Bluelight Drive Technology Co., Ltd.**
Manufacturer:	**Shenyang Bluelight Drive Technology Co., Ltd.**
Category of type test:	**First test**
Test date:	**2023-07-25**

NETEC Inspection and Testing (Beijing) Co., Ltd.

National Elevator Inspection and Testing Center

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Testing Co., in

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 iss

Contents

Lift type test report……

1 Technical parameters and configuration of the sample

Name of product	Traction machine brake			
Model of product	DZE			
	System mass range	1400 kg~7800 kg	Rated load range	450 kg~2000 kg
	Balance coefficient	0.40~0.50	Car weight range	600 kg~3400 kg
	Anticipated highest speed before deceleration occurs[Note1]	1.32 m/s	Suspension ratio	2:1
	Type of stopping parts	Traction machine brake	Drive mode	Traction drive
	Site of action	Traction sheave	Tripping mode	Trigger when losing power
	Response time	≤ 200 ms	Response time of detecting subsystem	≤ 40 ms
	Response time of power supply device (contactor) equipped with current-carrying cut-off brake[Note2]		≤ 60 ms	
	Test speed for final inspection		0.25 m/s	
Applicable range	Range of inclination angle applicable			

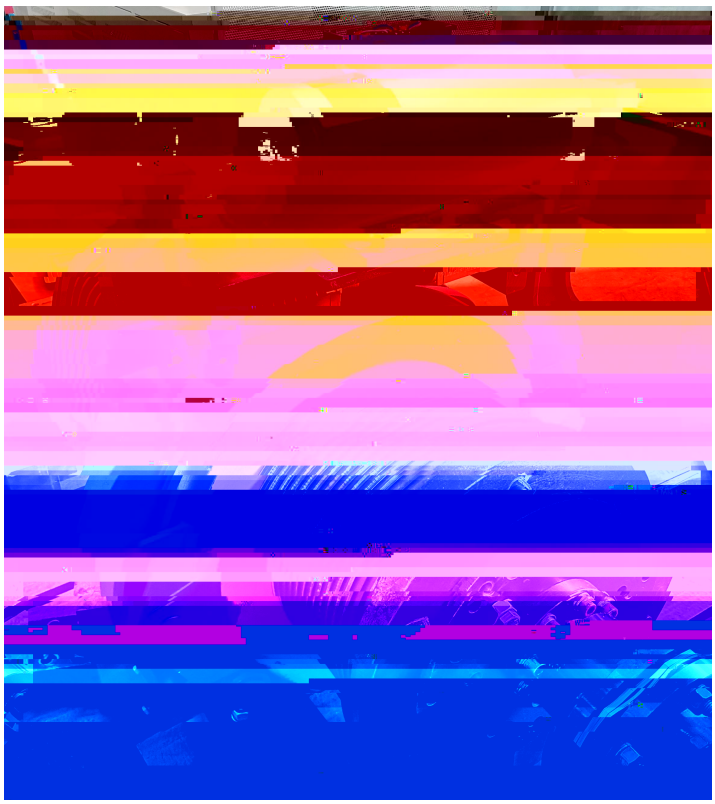
3 Check and test the sample

No.	Items No.	Check and test items	Check and test results	Conclusion
1	T6.1	Action site	Acting on traction sheave Comply with requirements	Pass
2	T6.1.1	Stopping subsystem certified for a single mass	/	/
3	T6.1.2	Stopping subsystem certified for different masses	Maximum system mass representing an empty car in up direction: Minimum of highest speed before deceleration occurs is 1.380 m/s. Arithmetic mean value of average deceleration is 3.611 m/s^2. Maximum deceleration: 4.603 m/s^2 Arithmetic mean value of stopping distance is 0.286 m Maximum deviation of stopping distance is +3.1%. Maximum response time is 99 ms. Maximum total moving distance: 0.701 m. Maximum system mass representing a car carrying the rated load in down direction: Minimum of highest speed before deceleration occurs is 1.382 m/s. Arithmetic mean value of average deceleration is 2.879 m/s^2. Arithmetic mean value of stopping distance is 0.355 m. Maximum deviation of stopping distance is -3.7%. Maximum response time is 96 ms. Maximum total moving distance: 0.745 m.	Pass

No.	Items No.	Check and test items	Check and test results	Conclusion
3	T6.1.2	Stopping subsystem certified for different masses	Minimum system mass representing an empty car in up direction: Minimum of highest speed before deceleration occurs is 1.378 m/s. Arithmetic mean value of average deceleration is 4.861 m/s^2. Maximum deceleration: 9.397 m/s^2 Arithmetic mean value of stopping distance is 0.237 m Maximum deviation of stopping distance is +2.9%. Maximum response time is 87 ms. Maximum total moving distance: 0.652 m. Minimum system mass representing a car carrying the rated load in down direction: Minimum of highest speed before deceleration occurs is 1.380 m/s. Arithmetic mean value of average deceleration is 4.450 m/s^2. Arithmetic mean value of stopping distance is 0.269 m. Maximum deviation of stopping	

No.	Items No.	Check and test items	Check and test results	Conclusion
5	T6.1.4	Moving distance corresponding to the test speed	The calculation document complies with requirements Carry out 3 tests with the maximum system mass representing an empty car in up direction. Test speed: 0.25 m/s Maximum speed under test speed condition: 0.489 m/s Maximum stopping distance: 0.058 m (excluding the distance before deceleration) Maximum moving distance: 0.156 m (including the moving distance within the response time of the cut-off brake power supply device) Maximum moving distance: 0.166 m (including the moving distance within the response time of the detecting subsystem and the cut-off brake power supply device) Comply with requirements	Pass
6	T6.2	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.