



中国认可
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检测
TESTING
CNAS L0916

TYPE-EXAMINATION CERTIFICATE OF SPECIAL EQUIPMENT (LIFT)

No. TSX F38003820230197

Name of Applicant: SHENYANG BLUELIGHT DRIVE TECHNOLOGY CO., LTD.
Registered Address of Applicant: NO.37, XINSHIJI ROAD, HUNNAN NEW DISTRICT, SHENYANG, CHINA
Name of Manufacturer: SHENYANG BLUELIGHT DRIVE TECHNOLOGY CO., LTD.
Registered Address of Manufacturer: NO.37, XINSHIJI ROAD, HUNNAN NEW DISTRICT, SHENYANG, CHINA
Product category: Lift Safety Protection Device Equipment Type: Unintended Car Movement Protection
Product Name: Traction machine brake Model/Type: BLB
Initial Inspection Report No. 2023AF1091 The Verification Report No. /
By the Type-Examination, the sample is confirmed to be in accordance with Regulation for type Tests of Lifts (TSG T7007-2022).

The sample is in compliance with Regulation of GB/T 7588.1-2020 Safety rules for the construction and installation of lifts—Part1:Passenger and goods passenger lifts, GB/T 7588.2-2020 Safety rules for the construction and installation of lifts—Part2: Design rules, calculations, examinations and tests of lift components, EN 81-20:2020 and EN 81- 50:2020 standard rules.

The certificate covers the following different products mentioned below: BLB

Please refer to the annex for the specific parameters and configuration about the covered products.

Issued Date: 9-Nov-2023

Date for Recertification: /

Next Verification Before: 9-Nov-2027

SHENZHEN INSTITUTE OF QUALITY & SAFETY INSPECTION AND RESEARCH GUANGDONG STATION OF ELEVATOR QUALITY SUPERVISION AND TEST

Notes: 1. The applicant has the responsibility to ensure the products being in compliance with standard and also ensure the consistence of quality and safety performance of product and type tested sample.

2. The certificate cannot apply to products produced after next verification date.



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TYPE-EXAMINATION CERTIFICATE ANNEXED TABLE (LIFT)

Certificate No.		TSX F38003820230197	
Equipment Type		Unintended Car Movement Protection	
Product Name		Traction machine brake	Model/Type BLB
No-load System Quantity		1400 kg~12000 kg	Rated load 450 kg~2500 kg
Braking Element Pattern		Traction machine brake	Drive type of Applicable lifts Traction Type
Action part		Traction Sheave	Trigger mode Braking on de-energizing
The expected maximum speed before the car decelerates		1.34 m/s	Response Time ≤200 ms
Test speed for final inspection		0.25 m/s	Response time of equipped detection subsystem Safety circuits containing electronic components or PESSRAL response time(including sensor): ≤59ms
Braking Element Structure Pattern		Straightly driving electromagnetic drum	Number of Braking Element 2
Materials of Friction Element		Non-asbestos friction plate	Elastic Element Type Cylindrical helical compression spring
Trigger device hardware composition		Not applicable	
When the moving distance of the car does not exceed 0.8m Or 1.0m Or 1.2m,the allowable moving distance corresponding to the test speed	When not exceed 0.8m	Not applicable	
	When not exceed 1.0m	≤0.064 m (Stopping distance,not including the moving distance during the acceleration; Or ≤ 0.148m (including the moving distance during Response time of the device (contactor) for disconnecting the brake power supply) ; Or ≤ 0.163m (including the moving distance during Detection subsystem and Response time of the device (contactor) for disconnecting the brake power supply)	
	When not exceed 1.2m	≤0.093m (Stopping distance,not including the moving distance during the acceleration; Or ≤ 0.177m (including the moving distance during Response time of the device (contactor) for disconnecting the brake power supply) ; Or ≤ 0.192m (including the moving distance during Detection subsystem and Response time of the device (contactor) for disconnecting the brake power supply)	
Note: 1.The method for triggering the braking element at the test speed for the final inspection: the lift goes up with no load, and after the running speed of the car reaches the test speed for the final inspection, cut off the power supply of the brake electromagnet to trigger the brake of the traction machine. 2. The system quantity and the rated load range in the table is decided by the condition of the suspension ratio <u>2:1</u> . The formula to transform the corresponding scope to other practical suspension ratio is: 1) Applicable system mass = type test system mass × actual suspension ratio ÷ type test suspension ratio; 2) Applicable rated load = type test rated load × actual suspension ratio ÷ type test suspension ratio. 3. Response time of the device (contactor) for disconnecting the brake power supply ≤ <u>68</u> ms . 4. File identification number: XPSQ2023100136AENZS 5. This certificate does not apply to inclined lifts.			