CNAS L0454

2011000708Z

(2011)国认监认字(134)号

Special Equipment Type Test Report

Report No. T3-F39-11-050

Category of Equipment: Safety Protection Component

Type of Equipment: Traction Machine

Name of Product: Permanent Magnet Synchronous Gearless Traction Machine

Model of Product: WYT-T

Applicant: Shenyang Bluelight Drive Technology Co., Ltd.

Manufacturer: Shenyang Bluelight Drive Technology Co., Ltd.

NETEC

National Elevator Inspection and Testing Center

NOTICE

1. Each type test certificate issued by National Elevator Inspection and Testing Center (abbreviation NETEC) is

NETEC

National Elevator Inspection and Testing Center

No.: T3-[illegible]-113050

Page: [illegible]

Type Test Report

Name of product	Permanent magnet synchronous gearless traction machine
Model of product	WYT-T
Serial No. of sample	20110376[illegible]

Production date: 2011-06-13

Main technical parameters:

Rated speed	2.00m/s	Rated output torque	765N·m
Motor rated power	15.4kW	Allowed rated load of traction sheave	3500kg
Suspension ratio	2:1		

Applicant: Name: Shenyang Bluelight [illegible]

Address: No.37 Shiji Road [illegible]

Manufacturer: Name: Shenyang Bluelight [illegible]

Address: No.37 Shiji Road [illegible]

Receiving date: /

Sample number: [illegible]

Test date: 2011-06-16

Sample state: No abnorma[illegible]

Test category: Type test

Test item: All application ite[illegible]

Test place: Shenyang Bluelight Drive Technology Co., Ltd.

Test conditions: Comply with requirements

Test basis:

Rules for Type Test of Elevators (tryout)

Rule for Type Test of Lift Traction Machine (tryout)

EN 81-1:1998 Safety Rules for the Construction and Installation of Electric Lifts

Lifts Part 1:[illegible]

Test conclusion: The type test is certificated.

Issue date: [illegible]

Note: Issued date of the Chinese version: July 5, 2011

Issued by: [illegible]

Reported by: 王名格

Verified by: [illegible]

SAMPLE'S MAIN TECHNICAL PARAMETERS AND CONFIGURATION

Model and name	WMT-1 Permanent magnet synchronous gearless traction machine		
Applicable environment	Indoor	Structure type of traction machine	Permanent magnet synchronous gearless
Rated speed	2.00m/s	Rated output torque	765N·m
Rated load	1150kg	Allowed radial load of	3500kg

Test items and test results

Items No.	Test items	Test results	Conclusions
1.1	Fastening and welding	Comply with requirements	Pass
1.2	Assembly of main parts	Comply with requirements	Pass
1.3	Paint marking	Comply with requirements	Pass
2.1	Ratio of pitch diameter of traction sheave (D) to diameter of traction ropes (d)	D = 400mm d = 10mm D/d = 40	Pass
2.2	Material of traction sheave and hardness deviation of groove (Hv)	Material: QT800-3 1. HB238 2. HB230 3. HB240 4. HB232	Pass
2.3	Working surface run-out in normal direction of the	Ra3.2μm 0.14mm	Pass

No.	Items No.	Test items	Test results	Conclusions
20	3.7	Withstand voltage test of brake coil	Comply with requirements	Pass
21	3.8	All the mechanical components shall be installed in two sets	Comply with requirements	Pass
22	4	Manual means of emergency operation	Comply with requirements	Pass
23	5	Protection for traction sheave	Comply with requirements	Pass
24	6	Torque vibration	/	/
25	7	Speed	Rated speed: 2.00m/s Test speed: 192r/min Speed: 2.01m/s 100.5%V_{rated}	Pass

Appendix Sample photo



CNAS L0454

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TX

Certificate of Type Test for Special Equipment

No.TX5390000?1?0050

Applicant's name and address:	Shenyang Bluelight Drive Technology Co., Ltd. No.37 Shiji Road, Hunnan New District, Shenyang, Liaoning
Manufacturer's name and address:	Shenyang Bluelight Drive Technology Co., Ltd. No.37 Shiji Road, Hunnan New District, Shenyang, Liaoning
Name of product (Type of equipment):	Permanent magnet synchronous gearless traction machine (traction machine)
Model and specifications:	WYT-T Rated speed: 2.00m/s (suspension ratio: 2:1) Rated power: 15.4kW.
Configuration of product:	See annex
Type test report No.:	TX5390411050

This certificate is valid for products of the models and specifications below (without change of the product configuration):

Rated speed: not more than 2.00m/s (suspension ratio: 2:1)

Rated power: not more than 15.4kW

After type test, this product is accord with the *Rules of Type Test of Elevators (tryout)* and *EN 81-1:1998*.

Issue date: 2014-4-16

Issued date of the Chinese version: July 5, 2011

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Note:

1. This certificate is for conformity evaluation of type test for elevator products, and only products that are in conformance with the

Annex

Configuration of Traction Machine

No.: TJX-E390-003-00 005

Structure type of machine	Permanent magnet synchronous gearless	Structure type of motor	Permanent magnet synchronous outer rotor
Center distance of gear reducer	/	Structure type of gear reducer	/
Structure type of brake	Two sets, block type	Applicable environment	Indoor

Issue date: 2019-04

Issued date of the Chinese version: July 5, 20