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 Geadless 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. For the type test certificate issued by National Elevator Inspection and Testing Center (abbreviation NETEC) is

NETEC

National Elevator Inspection, Type Test and Routine Test and Testing Center

No.: T3[illegible]

Page [illegible]

Name of product	Permanent magnet synchronous gearless traction machine			
Model of product	WYT-T			
Serial No. of sample	20110369[illegible]	Production date	2011-06-13	
Main technical parameter	Rated speed	2.00m/s	Rated output torque	765N·m
	Motor rated power	15.4kW	Allowed radial load of traction sheave	3500kg
	Suspension ratio	2:1	Mode of wrapping	Single
Applicant	Name	Shenyang Bluelight Drive Technology Co., Ltd.		
	Address	No.37 Shiji Road, Hunnan New District, Shenyang, Liaoning		
Manufacturer	Name	Shenyang Bluelight Drive Technology Co., Ltd.		
	Address	No.37 Shiji Road, Hunnan New District, Shenyang, Liaoning		
Receiving date		Sample No.		
Test date	2011-06-16	Sample state	No abnormal	
Test category	Type test	Test item	All application items	
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 Lifts-Part 1: Electric Lifts*			
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] Issued

SAMPLE'S MAIN TECHNICAL PARAMETERS AND CONFIGURATION

Model and name	WYT-[illegible] 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

No.	Items No.	Test items	Test results	Conclusions
1	1.1	Fastening and welding	Comply with requirements	Pass
2	1.2	Assembly of components	Comply with requirements	Pass
3	1.3	Paint marking	Comply with requirements	Pass
4	2.1	Ratio of pitch diameter of traction sheave (D) to diameter of traction ropes (d)	D = 400mm d = 10mm D/d = 40	Pass
5	2.2	Material of traction sheave and hardness deviation of groove (b)	Material: QT600-3 1. HB239 2. HB230 3. HB225 4. HB222 5. HB10	Pass
6		Working surface roughness	Ra6.3μm	
7	2.3	Precision of groove of traction sheave	Working surface run-out in normal direction of the surface	0.14mm
8			Working surface run-out in radial direction of the pitch-circle	0.08mm
9		Average gaps between the brakes and the brake sheave		0.24mm
10	2.4	Working surface roughness of brake sheave		Ra3.2μm
11		Axial run-out of brake sheave working surface		0.05mm
12	3.1	Manual brake release device when emergency		Comply with requirements
13	3.2	Requirements for the belt transmission		/
14	3.3	Connection mode of braked components		Comply with requirements
15	3.4	Pressure mode of the brake shoe or pad		Comply with requirements
16	3.5	To hold off the brake shall require a continuous flow of current		Comply with requirements
17		Minimum activating voltage of the brake		Rated voltage: DC 110V Activating voltage: DC 59V 53.6%U-rated
18		Maximum release voltage of the brake		Rated voltage: DC 110V Release voltage: DC 36V 32.7%U-rated
19		Delay time of activating		

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		

Appendix Sample photo



检 测
CNAS L04454 2011000070Z (2311)第(134)号

TX

Certificate of Type Test for Special Equipment

No.TYF390003-T0050

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.:	TYF390003-T0050
This certificate is valid for products of the above model and specifications (without change of the product configuration).	
After type test	
Note	

Annex

Configuration of Traction Machine

No.: TJX-E390-003-00-005-00

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-

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