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.

NOTICE

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

Email: netec@chinaelevator.c
Web site: www.chinaelevator.c

NETEC

National Elevator Inspection and Testing Center

Type Test Report

No.: T3[illegible]39-11050

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Name of product	Permanent magnet synchronous gearless traction machine
Model of product	GYTJ-I
Sample No./Sample	20110378[illegible]
Rated speed	2.5m/s
Rated load	1150kg
Traction ratio	2:1
Suspension ratio	2:1
Rated power	15.5kW
Rated current	39.5A
Rated voltage	380V
Rated frequency	50Hz
Number of poles	24
Insulation grade	F
Protection grade	IP20
Manufacturer	Shenyang Bluelight Drive Technology Co., Ltd.
Receiving date	[illegible]
Sample status	[illegible]
Test date	2011-06-16
Sample state	No abnorma[illegible]
Test category	Type test
Test item	All application[illegible]
Test items	[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 Lifts-Part 1: Electric Lifts*
Test conclusion	The type test is certificated.
Issue date:	
Note	Issued date of the Chinese version: July 5, 2011

Issued by: [illegible]

Reported by: 王名格 Verified by: [illegible] Is[illegible]

SAMPLE'S MAIN TECHNICAL PARAMETERS AND CONFIGURATION

Model and name	WYT-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	1.1 Raster mounted weighing	Comply with requirements	Pass
2	1.2 Assembly of all parts	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 (δ)	Material: QT600-3 1. HB239 2. HB230 3. HB255 4. HB226 δ: HB10	Pass
6	Working surface roughness	Ra6.3μm	
7	Precision of groove	Working surface run-out in normal direction of the	0.14mm
	2.3	of traction sheave surface	
		Working surface run-out in radial direction of the pitch-circle	0.08mm
		Average gaps between the brakes and the brake sheave	0.24mm
Pass		Working surface roughness of brake sheave	Ra3.2μm
	11	Axial run-out of brake sheave working surface	0.06mm
Pass	12 3.1	Manual brake release device when emergency	Comply with requirements
/	13 3.2	Requirements for the belt transmission	/

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	/	/
ss	25	7	Speed	Rated speed: 2.00m/s Test speed: 192r/min... Speed: 2.01m/s 100.5%v_{rated}	Pa

Appendix Sample photo



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TX

Certificate of Type Test for Special Equipment

No.TYXF2000033-11 0050

Applicant's name and address.	Shenyang Bluelight Drive Technology Co., Ltd. No.37 Shili Road, Hunnan New District, Shenyang, Liaoning
Manufacturer's name and address:	Shenyang Bluelight Drive Technology Co., Ltd. No.37 Shili Road, Hunnan New District, Shenyang, Liaoning

Annex

Configuration of Traction Machine

No.: TX-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, 2...