



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.



Wuhan Electric Equipment Inspection and Testing Center

# NOTICE

China's National Center for Technical Inspection and Testing Center (abbreviation: NTECC) is

Name of product		Permanent magnet synchronous gearless traction machine	
Model of product		WY1-T	
Serial No. of product		201100790	Production date
2011/05/13			
Main technical parameter	Rated speed	2.00m/s	Rated output torque
	Motor rated power	15.4kW	Allowed radial load of traction sheave
	Suspension ratio	2:1	Rated output power
Applicant		Name: Shenyang BlueLight Drive Technology Co., Ltd.	
		Address: No. 37 Shij Road, Hunnan New District, Shenyang, Liaoning	
Manufacturer		Name: Shenyang BlueLight Drive Technology Co., Ltd.	
		Address: No. 37 Shij Road, Hunnan New District, Shenyang, Liaoning	
Production date		Sample No.	
2011-06-16		No. 201100790	
Test date	2011-06-16	Sample state	No abnormal
Test category	Type Test	Test Rep.	All replica
Test place	Shenyang BlueLight Drive Technology Co., Ltd.		
Test methods and Test requirements	Reference Test of Elevators (Type)		
Test basis	Rule for Type Test of Lift Traction Machine (Type)		
	Reference Test of Elevators (Type)		



## Test Items and Test results

No.	Item No.	Test items	Test results	Conclusions
1	1.1	Crack in guide rollers	Comply with requirements	Pass
2	1.2	Anti-slip safety (SM) pins	Comply with requirements	Pass
3	1.3	Paint marking	Comply with requirements	Pass
4	2.1	Reference pitch diameter of traction sheave (D) by direct method of traction ropes (d)	D = 400mm D/d = 1.00	Pass
5	2.2	Material of traction sheave and hardness dimension (r groove) by	Material: QT600-3 1: HB230 2: HB230 3: HB225 4: HB225 5: HB110	Pass
6	3	Working surface roughness	Rad 3um	Pass
7	3.1	Working surface roughness (Rz) in groove	5.14um	Pass
8	3.2	Vertical brake release device when emergency	Comply with	Pass
9	3.2	Preparation of the test	Comply with	Pass

No.	Items No.	Test items	Test results	Conclusions	
20	3 T	Withstand voltage test of brake coil	Comply with requirements	Pass	
21	3 a	All the electrical control components shall be installed in accordance with requirements	Comply with requirements	Pass	
22	4	Manual operation of emergency operation	Comply with requirements	Pass	
23	5	Protection for traction sheave	Comply with requirements	Pass	
24	6	Timers, vibration	Rated speed 210rpm, Test speed 190rpm		
Pass		25	7	Speed	Speed: 2.01m/s 100.5%





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## Certificate of Type Inspection

### Special Equipment

No. TX-F190, A00, P110050

Applicant's name and address:

Shenyang BlueLight Drive Technology Co., Ltd.  
No.33, Pailin Road, Heping New District, Shenyang,  
Liaoning

Manufacturer's name and address:  
No. 37, Shu Road, Heping New District, Shenyang

Name of product: (type of equipment):	Permanent magnet synchronous geared traction machine (traction machine)
Model and specifications:	WYT-T Rated speed: 2.00m/s (suspension ratio: 2:1) Rated power: 15.0kW
Configuration of product:	See annex

## Annex

## Configuration of Traction Machine

No. TK 0390/003/JJ 0050...

Structure type of machine	<input type="checkbox"/> asynchronous motor <input type="checkbox"/> synchronous gearless	Structure type of motor	<input type="checkbox"/> asynchronous motor <input type="checkbox"/> synchronous motor
Center distance of gear meshes	$l$	Structure type of gears/meshes	$l$
Structure type of hoists	Tec. type, block type	Applicable environment	Indoor

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