Report No. 2021AF1015

Product category	Main lift component
Equipment Type	Driving machine
Product name	Lift traction machine
Model/Type	WYT-U
Manufacturer	Shenyang Bluelight Drive Technology Co.,Ltd.
Applicant	Shenyang Bluelight Drive Technology Co.,Ltd.

Notes

1.This report is obtained based in the type-examination compliance with *Regulation for Type Tests of Elevators (2016)(TSG T7007-2016,Including No.1 amending list)*

2.This report must be printed or filled out in fountain pens/sign pens with neat and clear handwriting, no alternation.

3.The report is invalid if not signed by signature, and it is also invalid without approval number of the type testing body, special seal for report and paging seal.

4. There will be two versions of the report: electronic and printed formats. They are equal in authorities.

5.Any discrepancy about the report from applicant should be raised within 15 working days after receiving the report.

6. According to the provisions of TSG T7007-2016 Regulation Type Test of Lifts, the name or logo of the type test body shall be marked on the product nameplate of the main parts and safety parts of the elevator. The name of our type test organization is "Shenzhen Institute of Quality & Safety Inspection and Research", and the logo is "SIQS".

7. The report is responsible for the tested sample only.

Name of Institution: Shenzhen Institute of Quality & Safety Inspection and Research

Address of Institution Agricultural Science and Technology Building, No. 1085, south of ChaGuang Road, XiLi street, NanShan District, Shenzhen, Guangdong Province ,China

Office Address of Type Test Body TeJian Building,1032 HongGang Road, Luohu District, Shenzhen, Guangdong Province ,China

Approval No. TS7610038-2025

Postcode 518029

Branch Name of Type Test Body LongHua QingHu Branch of Shenzhen Institute of Quality & Safety Inspection and Research

Branch Address of Type Test Body 50 QingCui Road, QingHu, LongHua Block, LongHua District, Shenzhen, Guangdong Province ,China

Postcode 518109

Phone 0755 28079821 0755 28079351

Website www.sise.org.cn Email szlift@sise.org.cn

CONTENTS

Conclusive report of the Type-Test ····· Page 1

1. Sample Configuration and Technical Data ····· Page 2

2. Technical Documents Review ····· Page 3

3. Sample Check and Testing ····· Page 3

4. Changes of the Type-Examination Report ····· Page 7

TYPE-EXAMINATION REPORT of SPECIAL EQUIPMENT (LIFT)

Equipment Name	Driving machine		
Product Name	Lift traction machine	Product Model	WYT-U
Main Technical Data	Rated speed of driving machine	5.00 m/s	
	Motor rated power	32.70 kW	
Product No.	/	Manufacture Date	/
Name of Applicant	Shenyang Bluelight Drive Technology Co.,Ltd.	Unified Social Credit Identifier	91210112715754447D
Registered Address of Applicant	NO.37, Xinshiji Road, Hunnan New District, Shenyang, Liaoning Prov. China		
Manufacturer	Shenyang Bluelight Drive Technology Co.,Ltd.		
Manufacturing Address	NO.37, Xinshiji Road, Hunnan New District, Shenyang, Liaoning Prov. China		
Type of Examination	Consistency Verification	Inspection Date	6-Sept-2021
Sample No.	20210874	Sample Status	Normal
Inspection Place	LongHua QingHu Branch of Shenzhen Institute of Quality & Safety Inspection and Research		
Inspection Condition	Temperature:29 Humidity:63%RH Voltage:380V		

Standard for Inspection: EN 81-20:2014 Safety rules for nBTBDC q161.]TETt8(ag)7(e)9(:)]TETQ EMC /P 4MCID 55>BDC

Product name		Lift traction machine	Model/Type	WYT-U
Working condition		Indoor	Construction pattern	3 phase AC permanent magnet synchronous structure without reduction device (output shaft supported by two point)
Rated speed of driving machine (linear velocity of Traction sheave)		5.00 m/s	Rated output torsion	1570 N·m
Traction rate		2 1	Height of the center (without speed reducer)	382.5 mm
Allowable radial load of the traction sheave shaft		7000 kg	Hand winding device	Yes
Explosive-proof grade		Not applicable	Explosive-proof type	Not applicable
Motor	Type code	WYT-U2.5FS	Construction pattern	3 phase AC permanent magnet synchronous Outer rotor
	Rated power	32.70 kW	Rated rotate speed	199 r/min
	Rated voltage	380 V	Rated current	71.90 A
	Rated frequency	49.7 Hz	Insulation grade	F
	Duty cycle	S5-40%	Shell protection grade	IP41
	Overload protection device	Overheating	Frequency of starter	240F/H
	Explosion-proof sign	Not applicable	Name of manufacturer	Shenyang Bluelight Drive Technology Co.,Ltd.
Reduction device	Structure pattern	Not applicable	Reduction radio	Not applicable
	Reduce level	Not applicable	Width between centers	Not applicable
	Crossed axis angle	Not applicable	Lubricating oil specification	Not applicable
	Material grade of contacting surface on transmission pair			Not applicable
Driving sheave	Groove quantity	7	Groove shape	U shape with cut
	Hoist ropes dter	12 mm	Heat treataent for groove surface	/
	Sheave pitch diiaeter	480 mm	Winding method	Single winding
Brake	Type code	BLB	Effect position	Traction sheave
	Quantity and construction pattern	Straightly diving electromagnetic dm (Two dividedly installed)	Insulation grade	F
	Rated working voltage for electromagnet	DC110 V	Explosion-proof sign	Not applicable
	Brake dm diiaeter	670 mm		
Driving system	Speed control method	VVVF control	Speed control device	Frequency converter
	Speed feedback device	Rotary encoder		

No.	Project code	Items	Results	Conclusion
1	Y5.1	Certificate and related technical data	Information Complete	Pass
2	Y5.2	Calculation data	Information Complete	Pass
3	Y5.3	Main design drawing	Information Complete	Pass

3.1. Test projects and results

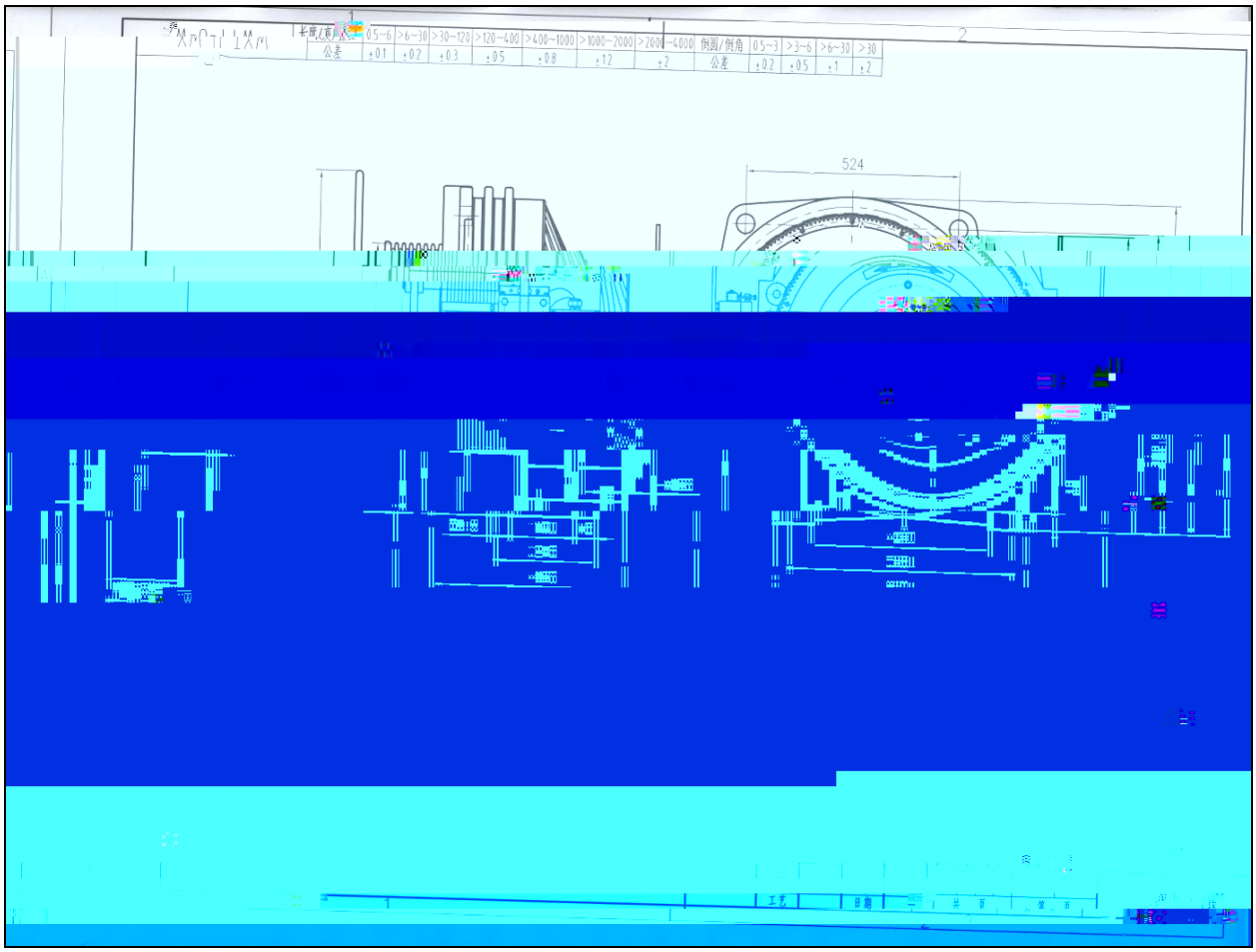
No.	Project code and name	Project contents and requirements	Results	Conclusion
1	Y6.1.1 Insulation resistor of stator winding	When the insulation resistance of the stator winding is in heat condition or the temperature rise test is finished, it shall not be -state insulation resistance is not less	Meet the requirements	Pass
2	Y6.1.2 Pressure resisting test	The three-phase leading-out terminal and machine shall earth are applied with double power voltage and 1000 V test voltage; the temperature sensor and the machine shell earth, the three-phase leading-out terminal of the elevator driving host are applied with 500 V test voltage; the test lasting time is 60s, the leakage current is not more than 100mA.	10.70 mA	Pass
3	Y6.2.1 Brake system type	The brake system shall be provided with an electromechanical brake (frictional type) and keep release state under the continuously charging state. The braked part shall be rigidly connected with the traction wheel, the winding cylinder or the chain wheel in machine manner.	Meet the requirements	Pass
4		The band type brake cannot be applied in driving machine.	Meet the requirements	Pass
5	Y6.2.2 Packet set of brake system	For driving machine, All the brake mechanical part participated in applying brake force to the brake wheel (disk) shall be assembled by two groups. The action state of every group of mechanical part must be monitored Note: The core inore6 every group of		

No.	Project code and name	Project contents and requirements	Results	Conclusion
9	Y6.2.5 Start and release voltage of electromagnet brake			

TYPE-

No.	Project code and name	Project contents and requirements	Results	Conclusion
26	Y6.5.4 Speed	For the elevator driving host, when it is running without load at rated voltage and frequency, the linear velocity of the driving wheel must be in the range from 92% of rated speed to 105% rated speed at rated voltage and frequency.	5.04 m/s, 100.80 %	Pass
27	Y6.5.5 Appearance	The oil level in the reducer box should be observed easily.	Not applicable	/
28		Hand winding crank shall be partly or completely yellow. The manual lock loosing spanner of the elevator driving host brake shall be red.	Meet the requirements	Pass
29	Y6.5.6 Nameplate of elevator driving host	The product nameplate shall be located at the obvious position, the nameplate should be permanent and should at least notify the following contents: (1) Product name, model; (2) rated speed (or elevator rated speed); (3) rated power; (4) rated voltage; (5) rated current; (6) rated frequency; (7) rated output torque (or rated load weight); (8) protection grade; (9) product No. (10)manufacturing date; (11) manufacturer name and manufacturing address; (12) Name or logo of the type-test agency	Meet the requirements	Pass





No.

4. Changes of The Type-Examination Report

If the name or address of the applicant (or oversea manufacturer) has any change, please submit a change request with related supporting evidence to the previous type-test agency. After confirmation, the agency will indicate the change on the change record page.

The change record see the attached page (If any).

----------The reminder of this page is intentionally left blank----------