



**TYPE-EXAMINATION REPORT of
SPECIAL EQUIPMENT
(LIFT)**

Report No. 2021AF1190

Note and Contents

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



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Equipment Name	Driving machine		
Product Name	Lift traction machine	Product Model	WYT-Y
Main Technical Data	Rated speed of driving machine	8.00 m/s	
	Motor rated power	54.90 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	3-Nov-2021
Sample No.	20211066	Sample Status	Normal

Inspection Place LongHua QingHu Branch of Shenzhen Institute of Quality & Safety Inspection and Research



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Product name		Lift traction machine	Model/Type	WYT-Y
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)		8.00 m/s	Rated output torsion	1650 N·m
Traction rate		2 : 1	Height of the center (without speed reducer)	330 mm
Allowable radial load of the traction sheave shaft		12000 kg	Hand winding device	Yes
Explosive-proof grade		Not applicable	Explosive-proof type	Not applicable
Motor	Type code	WYT-Y4.0F2	Construction pattern	3 phase AC permanent magnet synchronous Inner rotor
	Rated power	54.90 kW	Rated rotate speed	318 r/min
	Rated voltage	380 V	Rated current	123.00 A
	Rated frequency	53.0 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 ratio	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	12	Groove shape	U shape with cut
	Hoist ropes diameter	12 mm	Heat treatment for groove surface	/
	Sheave pitch diameter	480 mm	Winding method	Compound winding
Brake	Type code	DZE	Effect position	Traction sheave
	Quantity and construction pattern	External contacting electromagnetic drum (Two dividedly installed)	Insulation grade	F
	Rated working voltage for electromagnet	DC200 V	Explosion-proof sign	Not applicable
	Brake drum diameter	620 mm		
Driving system	Speed control method	VVVF control	Speed control device	Frequency converter
	Speed feedback device	Rotary encoder		



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No.	Project code and name	Project contents and requirements	Results	Conclusion
17	Y6.3.3 Hardness of rope groove of traction wheel	The groove face of the traction wheel shall uniform, the hardness difference is not more than 15 HBW.	10.00 HBW	Pass
18	Y6.4 Reducer box	The box cutting face and the eye cover of the gear elevator driving host shall be tightly connected without oil leakage. During the temperature rise test, the oil leakage of the extending end of the reduction box shaft shall not exceed 25cm ²		



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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.	8.07 m/s, 100.86 %	Pass

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Y6.5.5
Appearance

The oil level in the reducer box should be observed easily.

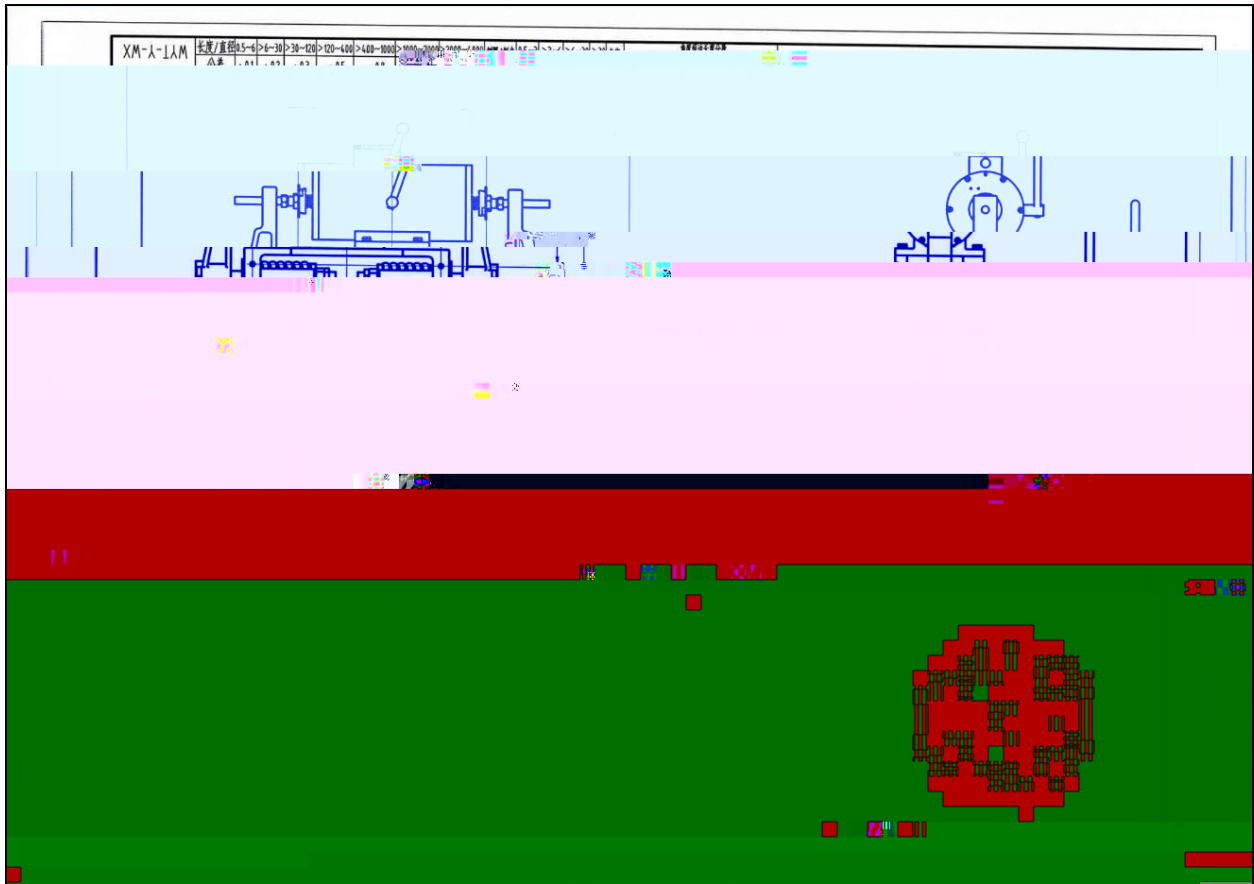
Not applicable



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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).

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