
电研机械检验检测（北京）有限公司
检验报告专用章
（电子）



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NETEC Inspection and Testing (Beijing) Co., [redacted] in [redacted] of *National Elevator Inspection and Testing Center*, the abbreviation and logo of *NETEC Inspection and Testing (Beijing) Co., Ltd.* (*National Elevator Inspection and Testing Center*) both are NETEC.

3. Type test report is invalid without signatures of test, verification, approval, without approval certificate of type test institute number or iss

Lift type test report……

Category of equipment	Lift major component		
Type of equipment	Driving machine		
Name of product	Lift traction machine		
Model of product	WYT-Y		
Product number	S23042000	Manufacturing date	2023-04-21
Unified social credit code of applicant	91210112715754447D		
Applicant	Shenyang Bluelight Drive Technology Co., Ltd.		
Address of applicant	NO.37 Shiji Road, Hunnan New District, Shenyang, China		
Unified social credit code of manufacturer	91210112715754447D		
Manufacturer	Shenyang Bluelight Drive Technology Co., Ltd.		
Address of manufacturer	NO.37 Shiji Road, Hunnan New District, Shenyang, China		
Manufacturing address	NO.37 Shiji Road, Hunnan New District, Shenyang, China		
Test place	NETEC		
Receiving date	2023-05-04	Sample number	Y2023-0501
Sample state	No abnormal	Category of type test	First test U
Test date	2023-07-25		
Test condition	Ambient temperature: 29.3 ~36.7 , relative hum * h		

1 Technical parameters and configuration of the sample

Name of product	Lift traction machine
Model of product	WYT-Y
Structure type of driving machine	Horizontal type, no reducer device, driving sheave cantilever support, the output shaft is supported in two points
Rated speed	8.00 m/s
Rated output torque	1650 N·m
Allowed radial load of driving sheave shaft	12000 kg
Centerline height of output shaft (applicable to machine without gear reducer)	330 mm
Manual emergency operation device	Releasing brake handle + hand winding wheel
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1 Technical parameters and configuration of the sample (continued)

Brake	Model	DZE
	Action position	Traction sheave
	Numbers and structure type	2 sets, brake arm drum type
	Insulation grade	F
	Rated working voltage of electromagnet	DC 200 V
	Diameter of brake sheave or inner and outer diameter of friction part of brake disc	620 mm
	Explosion protection type	/
	Explosion protection grade	/
	Rated working pressure of hydraulic brake release device	/
	Rated sustaining voltage/current of electromagnet	DC 100 V
Applicable driving system	Speed control mode	AC variable frequency control
	Type of speed controller	Frequency inverter
	Type of speed feedback device	Rotary encoder

2 Check the technical documents

No.	Items No.	Check items	Check results	Conclusion
1	X5.1	Conformity certificate document and relative technical documents	Comply with requirements	Pass
2	X5.2	Calculation documents	Comply with requirements	Pass
3	X5.3	Major design drawings	Comply with requirements	Pass

3 Check and test the sample

No.	Items No.	Check and test items	Check and test results	Conclusion
1	X6.1.1	Insulation resistance of stator winding	Comply with requirements	Pass
2	X6.1.2	Withstand voltage test of motor	Comply with requirements	Pass
3	X6.2.1	Type of the braking system	Comply with requirements	Pass
4	X6.2.2	All mechanical components of the brake installed at least in two sets	Comply with requirements	Pass
5	X6.2.3	Braking pressure of the braking system	Comply with requirements	Pass
6	X6.2.4	Braking torque of lift machine	Comply with requirements	Pass
7	X6.2.5	Activating and releasing voltage of electromagnet brake	Rated voltage: DC 200 V Activating voltage: DC 86 V, 43.0%U_{-rated} Comply with requirements Maximum releasing voltage: DC 32 V, 16.0%U_{-rated} Comply with requirements Minimum releasing voltage: DC 29 V, 14.5%U_{-rated} Comply with requirements	Pass
8	X6.2.6	Response time of activating		

No.	Items No.	Check and test items	Check and test results	Conclusion
14	X6.3.1	Working surface run-out in normal direction of the surface of the traction sheave	Comply with requirements	Pass
15	X6.3.2	The pitch diameter difference of each groove of the traction sheave	Comply with requirements	Pass
16	X6.3.3	Hardness of the grooves of the traction sheave of the machine	Hardness HBW: 1) 233 2) 230 3) 232 4) 243 Deviation: 13 Comply with requirements	Pass
17	X6.4	Gear reducer	/	/
18	X6.5.1	Temperature rise	Motor stator winding temperature rise: 86.6 K Brake coil temperature rise: 53.7 K Comply with requirements	Pass
19	X6.5.2	Running noise of the driving machine	Noise dB(A): Front: 61.3 Back: 60.7 Left: 60.3 Right: 59.6 Upside: 59.2 Background: 43.6 Comply with requirements	Pass
20	X6.5.3	Vibration speed with no load of the lift machine for traction lift	Comply with requirements	Pass
21	X6.5.4	Speed	Rated speed $v_{\text{-rated}}$: 8.00 m/s Running speed: 8.015 m/s 100.2%$v_{\text{-rated}}$ Comply with requirements	Pass
22	X6.5.5	Appearance	Comply with requirements	Pass
23	X6.5.6	V6.אn 5		

