Report No.2021AF1310

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

TYPE-EXAMINATION

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TYPE-EXAMINATION REPORT of SPECIAL EQUIPMENT (LIFT)

Equipment Name	Driving machine		
Product Name	Lift traction machine	Product Model	WYT-L
Main Technical Data	Rated speed of driving machine	4.00 m/s	
	Motor rated power	15.80 kW	
Product No.	/	Manufacture Date	/

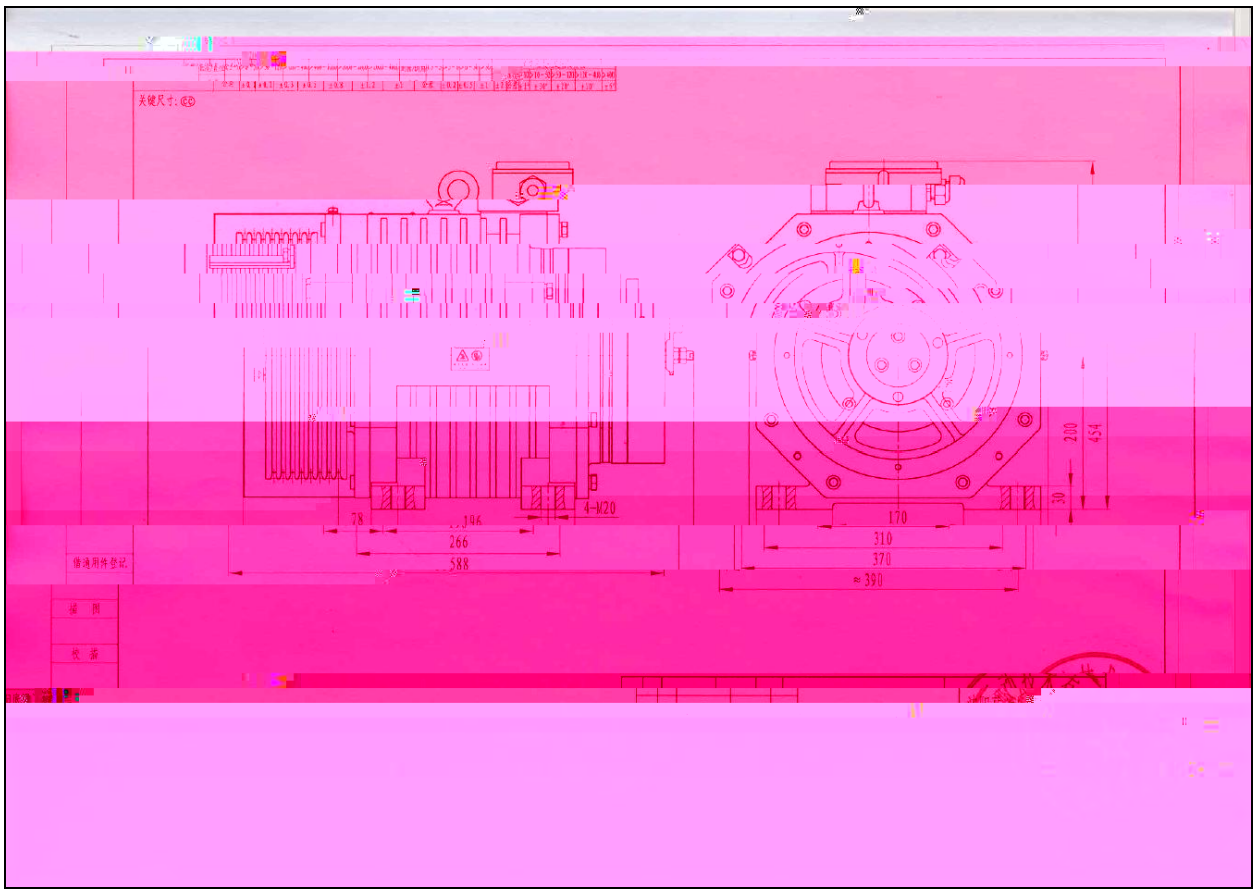
Name of Appl2 229.8

Product name		Lift traction machine	Model/Type	WYT-L
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)		4.00 m/s	Rated output torsion	630 N·m
Traction rate		2:1	Height of the center (without speed reducer)	200 mm
Allowable radial load of the traction sheave shaft		4000 kg	Hand winding device	Yes
Explosive-proof grade		Not applicable	Explosive-proof type	Not applicable
Motor	Type code	WYT-LC2.0F	Construction pattern	3 phase AC permanent magnet synchronous Inner rotor
	Rated power	15.80 kW	Rated rotate speed	239 r/min
	Rated voltage	AC380 V	Rated current	34.50 A

No.	Project code and name	Project contents and requirements	Results	Conclusion
9	Y6.2.5 Start and release voltage of electromagnet brake	Under the condition of satisfying 3.2.4, the lowest suction voltage of the brake electromagnet should not exceed 80% of the rated voltage.	59.00 V	Pass
		Under the condition of satisfying 3.2.4,the highest release voltage of the brake electromagnet should not exceed 55% of the rated voltage.	29.00 V	Pass
		Under the condition of satisfying 3.2.4, the lowest release voltage should not less than 10% of rated voltage.	28.00 V	Pass
10	Y6.2.6 Brake responding time	The brake responding time of the brake (From the power-off time to the time that rated brake torque is reached or braking position is reached)shall not be more than 0.5s. For the elevator driving machine which also perform the function of the brake element of over-speed protection on the carriage, the responding time shall satisfy the design value of the manufacture at the same time.	0.18 s	Pass
11	Y6.2.7 Pressure resisting test of brake coil			

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.	5.00 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	Not applicable	/
19	Y6.5.1 Temperature rise test	Under the condition of specified working system, the load lasting rate, the starting (brake) time, when the electric motor coil in the driving machine (if no reducer box)or the oil in the reducer box achieve thermal stability, the following requirements shall be satisfied: (1) The temperature ri		





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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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