Report No. 2023AF0828

Product category Main lift component

Equipment Type Driving machine

Product name Lift traction machine

Model/Type WYT-T

Manufacturer SHENYAN

Notes

1.This report is obtained based in the type-examination compliance with *Regulation for Type Tests of Elevators (TSG T7007-2022)*

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. The report is responsible for the tested sample only.

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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 8

Product category	Main lift component	Equipment Name	Driving machine
Product Name	Lift traction machine	Product Model	WYT-T
Main Technical Data	Rated speed of driving machine	5.00 m/s	
	Motor rated power	26.10 kW	
Product No.	S22[illegible]		

Product name	Lift traction machine	Model/Type	WYT-T
Product No.	S22B1189	Manufacture Date	Nov-2022
Working condition	Indoor	Structure pattern	Horizontal, no reduction device, cantilever type traction sheave, output shaft supported by two point
Rated speed of driving machine (linear velocity of Traction sheave)	5.00 m/s	Rated output torsion	1040 N·m
Traction rate	2:1	Height of the center (without speed reducer)	270 mm
Allowable radial load of the traction sheave shaft (without speed reducer)	5500 kg	Hand winding device	Release Wrench & Hand winding crank
Motor — Type code	WYT-TD2.5H	Structure pattern	3 phase AC permanent magnet synchronous Outer rotor
Motor — Rated power	26.10 kW	Rated rotate speed	240 r/min
Motor — Rated voltage	380 V	Rated current	55.A
Motor — Rated frequency	60 Hz	Insulation grade	F
Motor — Duty cycle	s5-40%	Shell protection grade	IP41
Motor — Overload protection device	Overheating & Frequency converter	Frequency of starter	240 F/h
Motor — Explosive-proof type	Not applicable	Explosive-proof grade	Not applicable
Motor — Name of manufacturer	SHENYANG BLUELIGHT DRIVE TECHNOLGY CO., LTD.		
Reduction device — Structure pattern	Not applicable		

No.	Project code and name	Project contents and requirements	Results	Conclusion
8	X6.2.3 Brake pressure of brake system	Pressure of brake gate tile or cushion shall be applied by a directive compression spring or a heavy weigh.	Meet the requirements	Pass
9	X6.2.4 Braking torque of driving machine	The rated moment of the elevator driving host shall be negotiated with the elevator driving host user according to GB 7588-2003 §12.4.2.1, or is 2.5 times of the rated torque.	Meet the requirements	Pass
10		If one of the brake sets is not working due to failure of a component a sufficient braking effort to decelerate, stop and hold the car, travelling downwards at rated speed and with rated load in the car and upward with empty car shall continue to be exercised.	Meet the requirements	Pass
11	X6.2.5 Start and release voltage of electromagnet brake	Under the condition of satisfying X6.2.4, the lowest suction voltage of the brake electromagnet should not exceed 80% of the rated voltage.	DC68.00V	Pass
		Under the condition of satisfying X6.2.4,the highest release voltage of the brake electromagnet should not exceed 40% of the rated voltage.	DC25.00V	Pass
		Under the condition of satisfying X6.2.4, the lowest release voltage should not less than 10% of rated voltage.	DC24.00V	Pass
12	X6.2.6 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
13	X6.2.7 Pressure resisting test of brake coil	For the coil voltage resisting test of the brake, the conductive part applies 1000 V to the ground for 1 min without puncturing phenomenon.	Meet the requirements	Pass
14	X6.2.8 Use of belt	By using a belt, one or multiple electric motor is connected to the spare part acted by electromechanical brake. There are at least two belts.	Not applicable	/
15	X6.2.9 Action test of the brake	The brake shall perform the action test for more than 2 millions time, the testing process shall be free from any maintenance; and the brake is not allowed to fail during the test after finishing the test, the X6.2.4-X6.2.6 shall still satisfy the requirement.	Meet the requirements	Pass
16	X6.2.10 brake noise test			

Project code No.

No.	Project code and name	Project contents and requirements	Results	Conclusion
27	X6.5.2 Driving host noise	When the elevator driving host on the test platform operates at no load under the rated power supply frequency, the measurement surface average value LPA of the A weight noise sound level shall not exceed the following provisions: Rated speed Project	52.16 dB(A)	Pass

4. Characteristics of The Type-Examination Report

If the name or address of the applicant (or oversea manufacturer) has any