Report No. 2022AF0749

Product category Main lift component

Equipment Type Driving machine

Product name Lift traction machine

m0 e7A 364.1

# 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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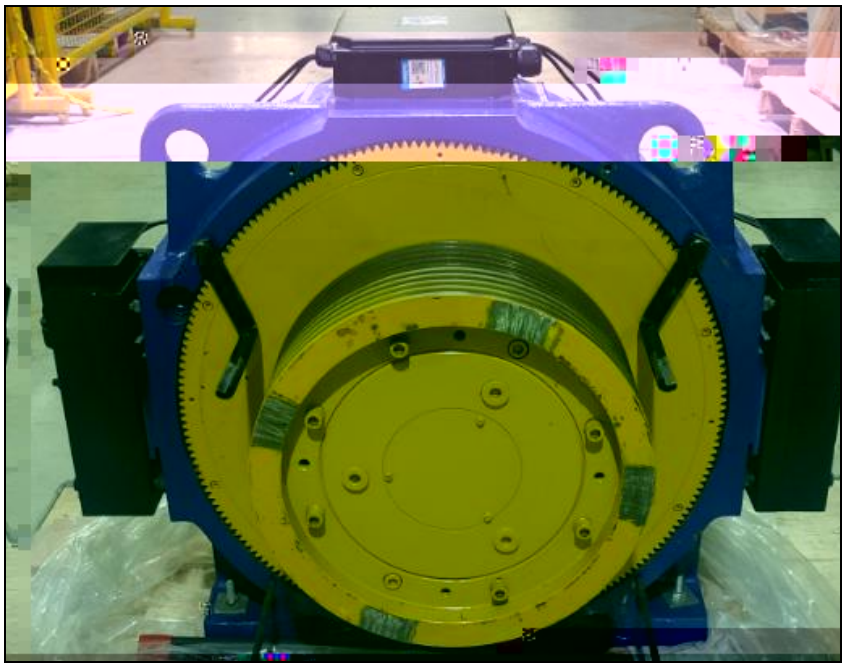


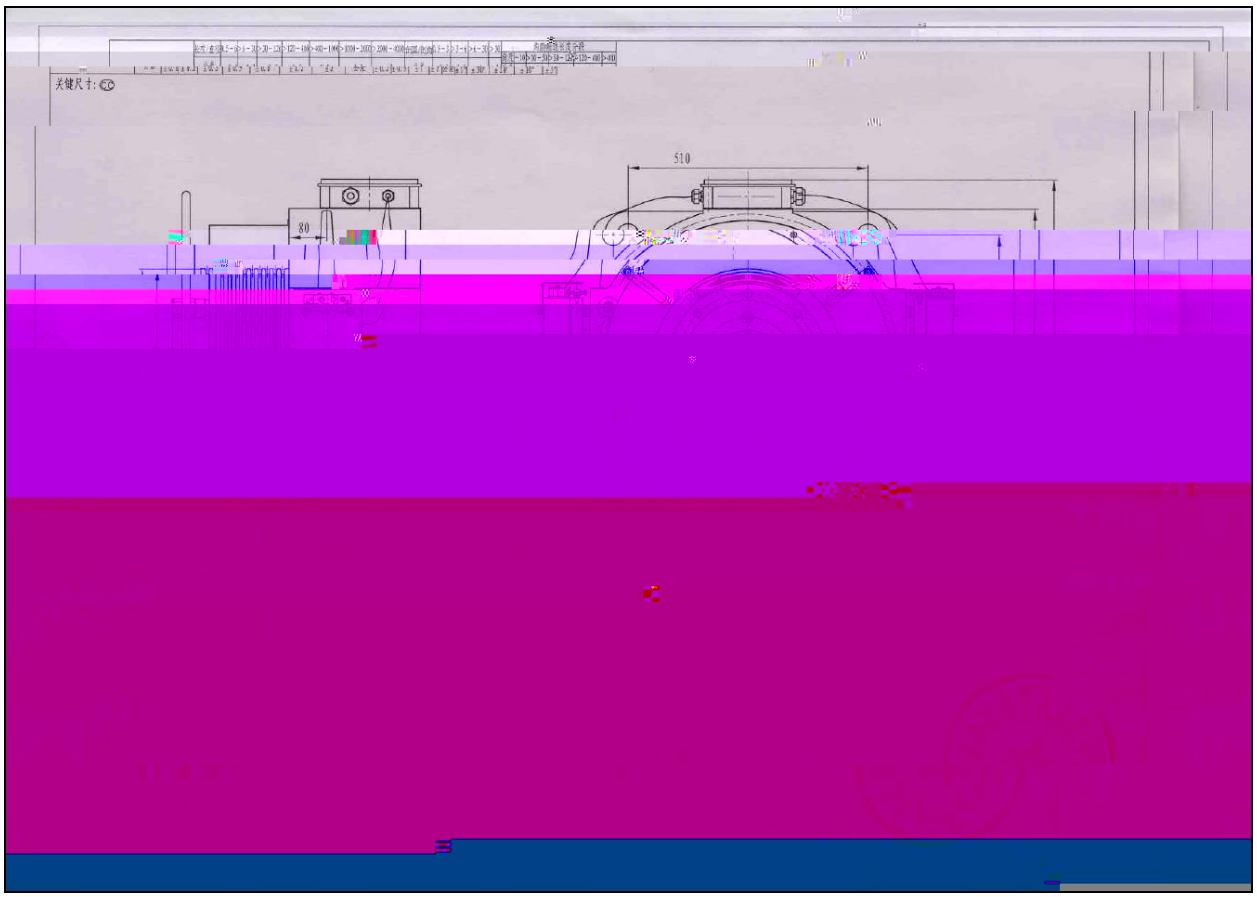
| | | | |
|---|---|---|---|
| Product name | Lift traction machine | Model/Type | WYT-T |
| Product No. | F22006001 01 | Manufacture Date | 2022.6 |
| Working condition | Indoor | Construction pattern | Horizontal, No reduction device, Cantilever traction sheave, Output shaft supported by two point |

| No. | Project code and name | Project contents and requirements | Results | Conclusion |
|---|---|---|---|---|
| 7 | 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 |
| 8 | | Proper lifting (or release) of the brake should be monitored or its braking force verified. 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 |
| 9 | X6.2.5 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. | DC63.00V | Pass |
| | | Under the condition of satisfying 3.2.4,the highest release voltage of the brake electromagnet should not exceed 40% of the rated voltage. | DC23.00V | Pass |
| | | Under the condition of satisfying 3.2.4, the lowest release voltage should not less than 10% of rated voltage. | DC22.00V | Pass |
| 10 | X6.2.6 Brake responding | | | |

| No. | Project code and name | Project contents and requirements | Results | Conclusion |
|---|---|---|---|---|
| 15 | X6.2.11 brake released by hand | When the emergency operation of vertical elevator occurs, it shall be able to open all brakes of driving machine by continuous manual operation; Manual release brake failure shall not result in failure of braking function. It shall be possible to test each brake set independently from outside of the well. | Meet the requirements | Pass |
| 16 | | Mechanical parts used for manual mechanical (such as lever) brake release, should have measures to prevent its abnormal shift or jammed, in the normal operation of the elevator should not be due to its abnormal shift or jammed lead to two sets of brakes at the same time accidental release. | Meet the requirements | Pass |
| 17 | X6.3.1 Normal direction jumping of rope groove face of traction wheel | For the Lift traction machine ,the normal direction jumping of the groove face of the traction wheel rope groove is 1/2000 of the pitch diameter of the traction wheel | 0.06 mm | Pass |
| 18 | X6.3.2 Difference of pitch diameters of every rope groove of the traction wheel | The difference between the pitch diameters of every two grooves of the traction wheel rope grooves shall not be more than 0.10 mm. | 0.02 mm | Pass |
| 19 | X6.3.3 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. | 8.00 HBW | Pass |
| 20 | X6.4 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 | / |
| 21 | X6.5.1 Temperature rise test | Under the condition of specified working system, the load | | |

<table>
<tr><th>No.</th><th>Project code and name</th><th>Project contents and requirements</th><th>Results</th><th>Conclusion</th></tr>
<tr><td rowspan="3">24</td><td rowspan="3">X6.5.2<br>Driving host noise</td><td>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:</td><td rowspan="3">53.50 dB(A)</td><td rowspan="3">Pass</td></tr>
<tr><td>
<table>
<tr><td>Project \ Rated speed m/s</td><td>≤ 2.5</td><td>2.5</td><td>4</td></tr>
<tr><td>Noise dB(A) LPA</td><td>Gear-free drive host</td><td>62</td><td>65</td><td>68</td></tr>
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No.