

BS5776
Stairiser Certificate of Tests and Examination
After Installation

Site Address:..... Lift contract No: A
Site Telephone No:.....
Postcode:.....

1. Description

Manufacturer: Stannah Lifts Model : STAIRISER
Safe working load: 230Kg Rated speed: 0.11m/s
Type of motor: 0.55KW
Type of controls: Constant pressure buttons on landing, constant pressure joystick on Platform
Motor protection (type) Inverter Current Trip
Type of drive: Motor Gearbox Rack and Pinion

2. Static Site Tests (see testing notes attached)

- a. Supply voltage at time of test Vac Spec 220 - 253vac
b. Ensure correct polarity for live and neutral connections. (tick if correct)
c. Insulation resistance MΩ Minimum 5MΩ
d. Earth Bonding : Is the rail suitably earth bonded (using 1mm² G/Y cable) ? YES NO
e. Earth continuity Ω Maximum 0.5Ω
f. Control Voltage Vdc Spec 22 – 30vdc
g. Key wiring diagram numbers

3. Overload & Fault to Earth Protection

- a. Fused or MCB (Circuit Breaker) b. Fuse or MCB rating 10A
c. RCD Test Press the red button marked test. Lift supply should now be isolated. (remember to press the reset button after test) YES NO

4. **Dynamic site tests** (see testing notes attached)

a. Electrical loading on mains supply:

Lift direction	Running current (amps)	
Full load up (230Kg)	Factory tested	A
Full load down (230Kg)	Factory tested	A
No load up		A
No load down		A

Stall current	Factory set
Tripping time	Factory set

b. Delay between stopping stairlift and re-starting (minimum 1 sec) secs

c. Do the floor limit switches operate satisfactorily? Upper YES NO
Lower..... YES NO

d. Does the floor zone detection switch operate correctly? YES NO

e. When the overspeed governor is operated is the electrical supply to the motor disconnected? Tested at the factory

f. Does the safety gear engage when overspeed governor tripped?..... Tested at the factory

g. Do the sensitive edges/surfaces and other safety devices work satisfactorily and stop the lift in the appropriate direction of travel when operated?..... YES NO

h. Does the hand / auto winding mechanism operate satisfactorily?..... YES NO

i. Do all ramps and their safety switches operate correctly? YES NO

j. Are all fixings secure? YES NO

k. Are there any shearing hazards throughout the lift travel? (If yes attach details). YES NO

l. Are there any headroom hazards throughout the lift travel? (If yes attach details). YES NO

m. If headroom hazards exist has a "restricted headroom" warning notice been fitted? YES NO

n. Is the safe working load notice fitted to the lift?..... YES NO

o. Is the emergency lowering notice fitted to the top of the carriage? YES NO

p. Is the mains power label fitted to the RCD? YES NO

q. Is the user instruction notice fitted close to the landing station? YES NO

r. With any barrier arm on the lift in the upright position, will the lift travel in either direction? YES NO

s. When loaded (230Kg), is lift travel satisfactory with no fouling of stairs, excessive movement of rail or excess noise from the motor? YES NO

5. **Lift travel**

- a. Length of travel : mm
- b. Time to unfold secs c. Time to travel mins secs
- c. User Controls: Do **ALL** user controls (Landing station controls, Carriage controls (Joystick, Alarm), Attendant Controller (if fitted) work satisfactorily? YES NO

6. **Floor levelling accuracy** *Tick box to indicate satisfactory*

		Lowest	Floor 1
a. No load on platform	Travelling up	X	
	Travelling down		X
Full load on platform	Travelling up	X	
	Travelling down		X

7. a. Confirm that the operating instructions have been handed to user/owner and that the wiring manual has been left on site. YES NO
- b. Lift operation demonstrated and handed over to:
 Name: Position:
 Representing: Tel No.:
- c. Is the user/owner satisfied with the product? YES NO
- d. Are there any irregularities/special revisions on site? YES NO

(If yes please record below).

8. a. Record any contract specific modifications undertaken on this contract during the installation process. i.e any design agreed changes during the installation phase;

9. **DECLARATION**

We certify that on.....20..... this lift was thoroughly examined and found to be free from obvious defects and that the foregoing is a correct report of the results.

Name (in capitals).....

Signed: Position: Test Engineer

For: Stannah Lifts Ltd Telephone: 01264 339090 Date:

Notes on Electrical Testing

2. Static Site Tests

a. **Supply voltage at time of test.**

This refers to the mains input voltage to the whole system and can be measured at one of two places either ;

1. At the RCD
2. At the terminal junction block on the carriage where the trailer cables are wired in. (wires 1 and 2)

c. **Insulation resistance**

This test should be carried out using a insulation resistance meter @500V test. Ensure that the Stairiser unit is switched off and isolated at the mains input.

1. Disconnect the live and neutral trailer wires that connect into to the carriage wiring.
2. Using the insulation resistance meter, test the insulation resistance between L and N that goes back down the trailer cable. (wires 1 and 2).
3. Next, measure the insulation resistance between L and Earth that goes back down the trailer cable.

The worst case reading is the one that must be documented on the test sheet. (Note minimum acceptable)

After the test, replace all the items and switch the unit back on.

d. **Earth continuity**

Ensure that the Stairiser unit is switched off and isolated at the mains input.

This continuity test is to check the earth connection throughout the unit. Connect one end of the continuity meter to the Earth at the RCD or fused inlet and the other end to the following points on the system ;

1. Carriage
2. Both Control Stations
3. The rail
4. The platform

The worst case reading is the one that must be documented on the test sheet. (Note maximum acceptable)

e. **Control Voltage**

This is the DC voltage generated on the PCB but it can be measured easily at the junction connector where the trailer cables join the carriage.

Brown +V
Grey -V