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 1mm^2 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 agreed 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: …….. Telephone: …… 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 1and 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