

CE Models Niftylift 120

The rules and procedures in force where people are at work may require the person responsible for this equipment to carry out a specific risk assessment.

It is important to read all of this leaflet BEFORE you use the Niftylift 120

Plan your work and think ahead to make sure you will always be working safely.

CE approved models manufactured January 1997 onwards including Manual and Hydraulic Stabilisers, Bi-Energy and Telescopic final boom variants.

Specification – CE approved.

All models manufactured January 1997 onwards.

A lightweight, trailer mounted, articulated boom platform, able to lift one or two men plus tools.

Models 1200 Mk11, 1 & 1, 1200Tel (Hydraulic Stabilisers only)
H' Base – 4 Manual Jacks, X' Base – 4 Hydraulic Stabilisers

Working Height:	20Tel (series 04)	20Tel (series 01)
Outreach:	11m (20T)	11m (20T)
Weight:	1681kg (M)	1681kg (M)
Bi-Energy:	90kg+	90kg+
Safe Working Load:	200kg (440lbs)	200kg (440lbs)
Power Options:	Battery operated electric motor, Diesel or Petrol engine, or both.	Battery operated electric motor, Diesel or Petrol engine, or both.
Slewing:	306 degree, non-continuous	306 degree, non-continuous



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120 Telescopic Machines

There are 3 sets of controls:
vi) At the front of the machine (Jack Controls)
vii) At the base of the machine (Ground Controls)
viii) In the cage (Cage Controls)
To activate the hydraulic motor a key must be inserted into the appropriate control box and turned ON. The Hydraulic Duty Selector must also be moved to the 'Platform' position.

PLATFORM OPERATION Upright Lever Cage levelling Telescope	GROUND CONTROLS Not used (no control at ground) 'UP' for Extend DOWN for Retract (ground control optional)	CAGE CONTROLS 'FORWARD' for Forward 'REVERSE' for Reverse 'UP' for Extend DOWN for Retract
Second Lever No.3 Boom	'UP' for Raise 'DOWN' for Lower	'UP' for Raise 'DOWN' for Lower
Third Lever No.2 Boom	'UP' for Raise 'DOWN' for Lower	'UP' for Raise 'DOWN' for Lower
Fourth Lever Rotation	'UP' for Cage Right 'DOWN' for Cage Left	'UP' for Cage Right 'DOWN' for Cage Left

NOTE:
1. With battery operated system the power button must be pushed in before any operation is made.
2. For lowering only from the cage controls the button can, and should, be released as soon as descent begins. This is in the interest of saving battery power. To halt descent release the control lever.
3. Before lowering to stowed position the booms MUST be lined up with the boom rest.

Please store this leaflet safely. It may be required for further information



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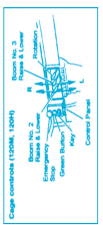
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120 Manual Stabiliser Machines

There are 2 sets of controls:
i) At the base of the machine (Ground controls)
ii) In the cage (Cage Controls)
To activate the hydraulic motor a key must be inserted into the appropriate control box and turned ON.

PLATFORM OPERATION Left Hand Lever No.2 Boom	GROUND CONTROLS 'UP' for Raise 'DOWN' for Lower	CAGE CONTROLS 'UP' for Raise 'DOWN' for Lower
Centre Lever No. 3 Boom	'UP' for Raise 'DOWN' for Lower	'UP' for Raise 'DOWN' for Lower
Right Hand Lever Rotation	'UP' for Cage Right 'DOWN' for Cage Left	'UP' for Cage Right 'DOWN' for Cage Left



120 Hydraulic Stabiliser Machines

There are 3 sets of controls:
i) At the front of the machine (Jack Control)
ii) At the base of the machine (Ground Controls)
iii) In the cage (Cage Controls)
iv) In the cage (Cage Controls)
To activate the hydraulic motor a key must be inserted into the appropriate control box and turned ON. The Hydraulic Duty Selector must also be moved to the 'Platform' position.

PLATFORM OPERATION Left Hand Lever No.2 Boom	GROUND CONTROLS 'UP' for Raise 'DOWN' for Lower	CAGE CONTROLS 'UP' for Raise 'DOWN' for Lower
Centre Lever No. 3 Boom	'UP' for Raise 'DOWN' for Lower	'UP' for Raise 'DOWN' for Lower
Right Hand Lever Rotation	'UP' for Cage Right 'DOWN' for Cage Left	'UP' for Cage Right 'DOWN' for Cage Left

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Before Starting Work...



unaffected. If the alarm sounds, descend immediately and check the stabiliser settings.
15. A spirit level is mounted on the machine to assist in setting up the platform. If the platform is set up in the same position for longer than one hour, the spirit level should be checked at regular intervals. Always check the spirit level and stabilisers if the position has been left in the 'set up' position over and extended period.

SAFETY & SETTING-UP BEFORE OPERATION

- Never exceed safe working load – marked on cage or booms.
- Never attempt to raise booms without properly extending all stabilisers, following the steps described earlier, relating to your particular model of machine. Release the boom clamp.
- Never allow booms, knuckle or cage to swing out into the road, or into the path of oncoming traffic. A second person should be employed on the ground to act as lookout in any high-risk situation.
- Never move machine without fully lowering booms and retracting the stabilisers.
- Do not work in wind speed exceeding 30 miles per hour. (48kph).
- Do not carry large sheets, for example plywood, in windy conditions.
- Do not allow power tools, cables, airhoses etc. to hang free. Tie them to the booms.

BI-ENERGY MACHINE CONTROLS

All models in the 120 Series can be built as Bi-Energy machines; with either a Diesel engine or a petrol internal combustion engine. Selection of the power source required is the same for machines, the keyswitch in the cage gives the operator the choice of either electric (DC) power, or by turning to the other key position will enable the engine to be started and utilised.

Once running, the interlock system will prevent the electric motor from providing additional hydraulic flow in order to limit the speed of movement of the machine to within safety requirements. To change back to electric power, the keyswitch should be turned to automatically select the alternate power source is selected. Petrol engine should be stopped by using the Emergency Stop, which must then be reset to enable the electric motor to work.

EMERGENCY OPERATION

- In the event of a power failure, the machine can be operated manually using the Emergency Handpump. Lowering the machine. Use the Cage or Ground controls as the Handpump is operated. The Emergency Handpump is situated adjacent to the Ground Controls.
- In the event of an incapacitated operator, switch key to Ground position and bring down cage, using the Ground Controls in the normal manner. (Button must be held continuously).

TOWING

- For restricted access the axles on the road trailer base can be simply telescoped in by:
 - Jacking the wheels clear of the ground.
 - Releasing the clamping screws from the side of the axle housings.
 - Pulling up the spring loaded strap pins.
 - Pushing assembly wheel and axle together.
 - Pushing the trailer unit until the spring centre of the trailer unit and the spring pins straps into place.
 - Tightening the screw clamps on the towing on the road, the above procedure must be reversed.
- On the public highway, the trailer must not be towed unless:
 - The axles are set in the fully extended position, and the pins are fully engaged.
 - Axles being firmly clamped down by the two screws, on the trailer base.
 - Manual stabilisers in their fully stowed positions, and the pins fully engaged.
 - Boom clamp engaged and locked.
- You are responsible for ensuring that the towing vehicle is adequately rated for the weight of the platform. (Consult the Traffic Wrecker) if in doubt contact the vehicle supplier.
- Do not exceed 50mph (80 kph) on the public highway.

BATTERIES

- The batteries must be recharged after completion of task or overnight. The charger is automatic. A red light indicates charger 'on' and charging.
- Red/Green indicates approaching end of charge. Green indicates batteries charged. Check level of electrolyte in battery before commencing charge.
- Check operating voltage before connecting to power supply – 110V ac or 230V ac.
- Use a suitable sensitive residual current device (RCD) on 230V.
- Charging may take up to 12 hours if batteries were fully discharged.
- Explosive gases are given off during battery charging. Do not smoke or place machine near source of naked flame. Wear eye and hand protection when handling batteries.

GENERAL WARNING

If you are in any doubt whatsoever as to any aspect of the safe operation of this platform, please refer to your supervisor or the hire company.