ORIGINAL INSTRUCTIONS

MoveAround MA50
PushAround PA50

SAFELIFT

5010-MAN1-EN_3

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1. HEALTH & SAFETY REGULATIONS

The operator manual contains instructions for the daily work with the equipment to be handled and used by the operator. The operator manual must always be available to the operator(s) working with the equipment.

It is important that:

- The operator manual and other applicable documents are retained throughout the life span of the equipment.
- The operator manual and other applicable documents are included as part of the equipment.
- This operator manual is forwarded to other users of the equipment.
- The operator manual is updated with any additions or changes to the equipment.
- The operator manual describes the methods used in the use of the equipment.

1.1 Notification of safety precautions

- Before you start using the equipment and performing the maintenance or service on this equipment, please read the applicable parts of the instructions.
- Take into account all signs stating Danger, Prohibited, Requirement and Note that are mentioned in the manual.
- Serious injury to persons and lift damage may occur if this information is not observed.
- The lift equipment is intended to be used by an operator.
- Consider all electrical equipment as being energized.
- Consider all hoses and pipes as being pressurized.
- For service and maintenance of the lift, make sure that the 230 V power supply is cut and that the main fuse is in the OFF position.
- The service and maintenance may only be carried out by authorized service and maintenance personnel.
- Follow the instructions for maximum load. See the sticker on the equipment and technical data.

2. WARNING DEVICES

Annual inspection of warning devices and protective devices must be carried out. This refers to the control of their function and status.

2.1 Warning texts

WARNING!
Ignoring this information will result in immediate danger to life.

PROHIBITED!
Prohibited action associated with danger or death or serious injury!

REQUIREMENT!
Correct use of the personal protective equipment or other means.

NOTE!
Information that requires special attention.

2.2 User warnings

Read and understand all instructions and safety information before use
All personnel must carefully read, understand and follow all safety instructions, as well as operating instructions in this instruction manual before performing operation or maintenance.

Tilting hazard
NEVER raise the platform or transport with a raised platform on anything other than a horizontal solid surface.

Risk of collision
NEVER operate the lift before having checked that the area around the lift is free of obstacles or other hazards.

Risk of falling
NEVER climb, sit or stand on the platform railing. If the platform cannot be lowered, NEVER climb down the mast.

Electricity
This lift is not isolated against electric current. It is therefore necessary to have a correct safety distance to the high-voltage conductors or other current carrying objects.

Always lock the wheels to prevent the lift from moving unintentionally!
MA50: Ensure that the drive motors are engaged and lock the swivel rear wheels for extra stability when the platform is elevated.
PA50: Lock the swivel rear wheels when the lift is parked or for extra stability when the platform is elevated.

Risk of crush injury
To prevent crush injuries, make sure that people or other equipment are not within the lift's working area. Observe the danger signs that are placed on the lift.

The lift may only be used indoors on flat and solid surfaces that are suitable for the load of the lift.

The lift must not be exposed to liquids, humid environment or a temperature below 0 °C.

The lift must not be used as a crane.

Never increase the height of the platform by using stairs or ladders etc.

Make sure that the operator uses appropriate safety equipment.

Make sure that the safety gate is closed when using the platform.

Make sure that the working area around the lift is protected from people or other equipment.

Never push or pull objects with the lift.

Lock the lift when not in use to prevent unauthorized use.

3. MACHINE SAFETY CE

The lift is marked with a CE mark. This means that it is designed, manufactured and described in accordance with EU Machinery Directive 2006/42/EC (see also page 16).

3.1 Requirements for personnel & safety regulations

To avoid personal injury and lift damage, the operator and operating personnel will be instructed or trained in accordance with the manufacturer's instructions. The operator and operating personnel are only allowed to handle the parts they have been instructed or trained on.

All controls and buttons must only be operated with hands. In other words, these must never be activated by any other means unless otherwise specified. The operator must never leave the lift unattended. This will prevent injury of unauthorized persons.

- The lift may only be used by trained personnel, and may only be used when the user has read and understood the contents of the current user description.
- The lift may only be used for the predetermined purpose and only with the mounted protective devices. All applicable safety precautions will be taken into account.
- The daily maintenance work must only be carried out by trained personnel.
- The electrical work may only be carried out by qualified professionals.
- Work on live parts is not allowed.
- Rebuilding, repairs and modifications to the lift may only be carried out by complying with the applicable safety regulations.
- Only original spare parts may be used upon repairs.

3.2 When rebuilding the lift

- If the lift is rebuilt or supplemented with other parts not approved by the manufacturer, this CE marking does not apply to the parts that change the function of the lift. Warning decals and CE marking on the lift must be clearly visible.
- If any lift part with warning sticker is replaced, new warning stickers must be mounted in the same place as before.
- Damaged decals and CE mark must be replaced immediately.
- If the lift is rebuilt after approval from the manufacturer or supplemented, it is very important that this instruction is immediately supplemented / adjusted with the necessary illustrations, photographs and texts.

3.3 Manufacturer

This lift is made by:
Safelift Sweden AB
Kvarnvägen 14
SE-352 41 Växjö
SWEDEN

3.4 Labelling

The lift is fitted with the following type plate:

3.5 Noise

This lift has a sound level below 70 dB(A) during operation.

4. CHECKS BEFORE USING THE LIFT

All safety regulations, operating instructions, labels and national safety instructions / requirements must be carefully read, understood and complied with.

Perform the following daily checks before using the lift:

1. Check that the batteries are charged.
2. Make sure the charging cable (230V) has been disconnected.
3. Inspect the lift for any possible oil leakage.
4. Check the function of the wheel brakes on the swivel wheels.
5. Make sure that the wheel brakes on the swivel wheels are locked before raising or lowering the platform (PA50).

4.1 Main switch

The lift's main switch is located at the lift's right front wheel. Always switch off the main switch when not in use to save power. Remove the key to the main switch to prevent unauthorized use.

4.2 Raising of platform

Press the upper button, marked with the platform symbol, which is located on the control panel in the platform.

4.3 Lowering of platform

Press the lower button, marked with the platform symbol, which is located on the control panel in the platform.

4.4 Horn

The lift is equipped with a horn. The horn button is located at the top of the control panel in the platform.

4.5 Tilt sensor (MA50)

MA50 is equipped with a tilt sensor that prevents the lift from being driven or the platform being raised, if the lift is tilted more than 1°. When the tilt sensor is activated, a warning sound sounds. To be able to use the lift again, the platform must be lowered to its bottom position and the lift moved to a floor surface that is inclined less than 1°.

4.6 Emergency stop

The lift is equipped with an emergency stop function. Press the emergency stop button to turn off the power. Rotate the emergency stop button clockwise to reactivate the power.

4.7 Emergency lowering

The lift is equipped with two emergency lowering systems. Emergency lowering of the platform is done either with an electric button located at the main switch on the side of the chassis or a mechanical button located on the top of the chassis covers.

WARNING!
If the platform can't be lowered, NEVER climb the mast. Ask someone on the ground to turn on the emergency lowering button to lower the platform. Keep a safe distance to the mast when the emergency lowering is activated.

4.8 Transport of the lift with a lifting crane

A lifting device may only be fastened to the intended lifting eyes that are screwed into the chassis (M10 x 4).

4.9 Transport of the lift with a forklift

WARNING!
Lifting with forklift is only for transport of the lift. Must never be used to increase the lifting capacity. Check the weight of the lift in the specifications and make sure the forklift truck has a sufficient lifting capacity to lift the lift. The arms of the forklift are placed under the lift from the side.

4.10 Transport of the lift by truck

- Do not operate the lift on the truck.
- Block the wheels with blocks.
- Transport the lift in the lowered position.
- Secure the lift on the truck.

NOTE!
Tightening of straps or chains may result in damage to the lift.

5. MAINTENANCE

WARNING!
The service or maintenance on the lift must never be performed with raised platform without having secured the platform against unintentional lowering. Do not stand under the platform when this is being secured in the raised position or when it is removed.

5.1 Blocking the platform in raised position

a) Installation of ratchet block

1. Park the lift on a fixed horizontal surface.
2. Turn the main switch to ”ON” position.
3. Raise the platform approx. 1.2 meters.
4. Place a solid ratchet block, 21 mm x 100 mm x 450 mm between the second mast section and the chassis, just behind the mast.
5. Slowly lower the platform until the other mast section is in a resting position on the ratchet block.
6. Turn the main switch to ”OFF” position.

b) Dismantling of ratchet block

1. Turn the key switch to ”ON” position.
2. Raise the platform stepwise until the ratchet block can be removed.
3. Remove the ratchet block.
4. Lower the platform.

5.2 Hydraulic oil

The hydraulic oil tank is located under the steel covers on the chassis.

NOTE!
Never fill the hydraulic oil when the platform is not blocked.

Control of hydraulic oil

1. Ensure that the platform is blocked according to 5.1.
2. Remove the covers on the chassis.
3. Unscrew the tank cap
4. Check the oil level
5. If necessary, fill it with the recommended oil type:
   Motorex Corex HV46 (DIN 51524/-2/-3 EN ISO 6743-4).

5.3 Maintenance of battery

WARNING!
Risk of explosive gas mixture. Avoid keeping batteries near open fire, sparks or smoke.

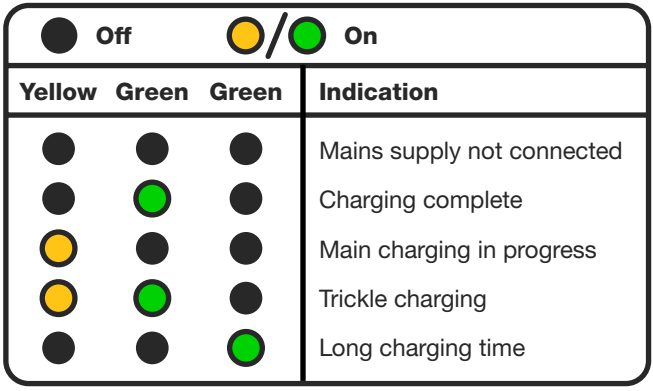
Battery acid is very corrosive. Always wear safety goggles when working with and near the batteries. Immediately rinse any spilled acid with clean water. Consult a physician in case of contact with battery acid.

Old worn out batteries must be replaced with batteries from Safelift Sweden AB or with batteries approved by the manufacturer.

Keep the poles and top of batteries clean.

5.4 Charging the batteries

Charge the batteries after each shift or more frequently if the charging level is low.



WARNING!
Charge the batteries in a ventilated area. Do not charge the batteries near open fire or where there is a risk of sparks being generated.

Do not disconnect the battery cables when the battery charger is running. Keep the battery charger dry. Connect a charging cable to a grounded 230V power outlet.

NOTE!
The charger must be connected to a socket with earth-fault protection. Do not use the lift while charging.

5.5 Inspection & maintenance intervals

A complete inspection consists of periodic visual and functional checks along with minor adjustments in order to ensure the function. The daily inspection prevents the abnormal wear and prolongs the life of all lift systems.

Inspection and maintenance will be performed at specified intervals. Inspection and maintenance must be carried out by trained personnel who are knowledgeable in terms of electrical and mechanical functions.

REQUIREMENT!
Before performing daily maintenance, learn how the lift works and is operated.

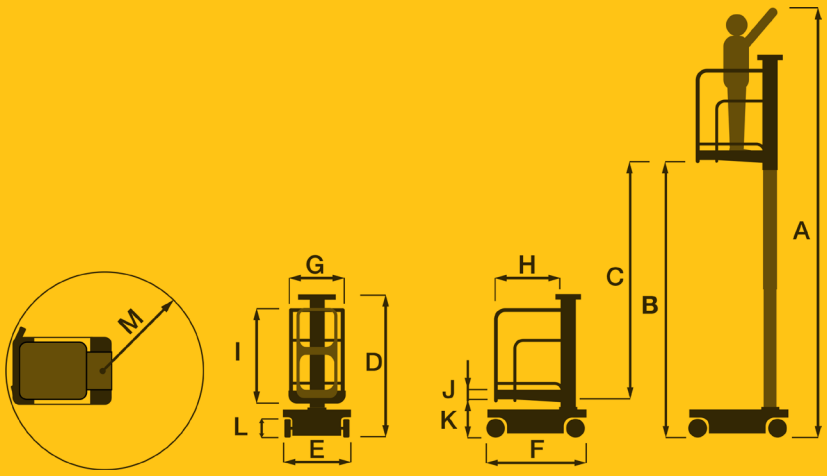
VARNING!
Always secure the platform from moving when maintenance is performed with the platform raised.

The daily maintenance list shows the service and maintenance points on the lift. Copy the list and use it when inspecting the lift.

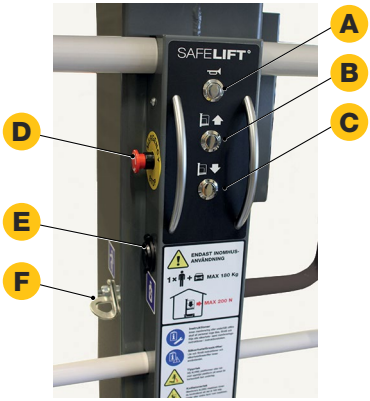
6. TECHNICAL DATA

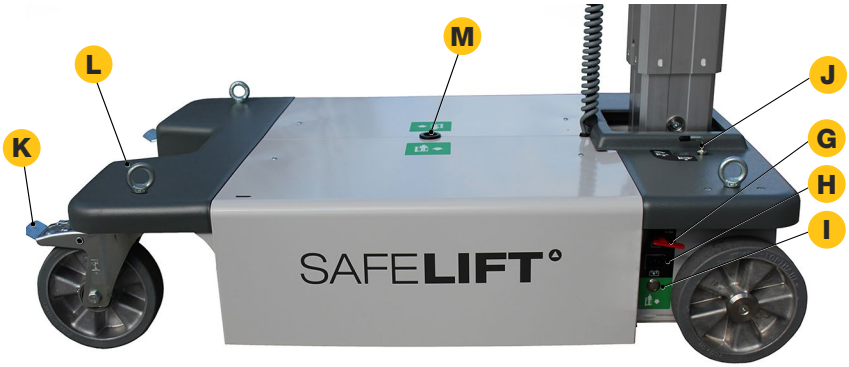
Max. total platform load	150 kg
Total number of people on the platform	1
Lifting time (150 kg)	16 s
Weight	331 kg
Maximum wheel load	150 kg
Maximum inclination of lift at work	1°
Maximum manual lateral force on platform	200 N
Maximum wind speed (indoor use only)	0 m/s
Noise level	< 70 dB(A)
Speed	Lowered 4 km/h, Raised 2 km/h
Power source	2 pcs 12V batteries, 80Ah (C20), maintenance-free
System voltage	24V
Battery charger	230V, 50 Hz / 60 Hz
Lifting system	Single hydraulic cylinder
Wheels	⌀ 200 mm, polyurethane wheel coating, leaves no marks
Parking brakes PA50	Manual (mechanical)
Parking brakes MA50	Automatic (electric)

A	Working height	4950 mm
B	Platform height	2950 mm
C	Stroke length	2600 mm
D	Total lift height	1655 mm
E	Total lift width	760 mm
F	Total lift length	1200 mm
G	Width of platform	530 mm
H	Length of platform	760 mm
I	Height of platform railing	1100 mm
J	Height of skirting board	150 mm
K	Height to platform floor	350 mm
L	Wheel diameter	200 mm
M	Turning radius	1200 mm



7. LIFT CONTROLS





A	Signal horn
B	Raising of lift platform
C	Lowering of lift platform
D	Emergency stop
E	USB socket 12V
F	Anchorage safety harness
G	Main switch 24V
H	Socket for battery charger cable, 230V
I	Button for emergency lowering (electric)
J	Connection / disconnection of operation (MA50)
K	Lockable wheels - MA50 also has automatic brake on the wheels
L	Lifting eyes - For anchoring or lifting (additional equipment)
M	Button for emergency lowering (mechanical)

7.1 Indications on the control panel (MA50)

N On / Off drive circuit
O On / Off-indicator driving
P Control panel operation
Q Low / high speed indicator
R Speed mode control high / low
S Joystick for driving

1 - Battery indicator

Solid Red: Low battery charge

Solid Yellow:
Medium battery charge

Solid Green: Fully charged

Flashing Red:
Battery empty, needs to be charged

Flashing Green: Overvoltage

2 - Speed mode

Solid Green:
Low speed, 2 km/h

Solid Yellow:
High speed, 4 km/h

Flashing Red:
Error indication

8. DECLARATION OF CONFORMITY

SAFELIFT

Declaration of Conformity CE

Manufacturer: Safelift Sweden AB
Kvarnvägen 14
SE-352 41 Växjö
SWEDEN

Safelift Sweden AB, VAT-no: SE 556820966101, declares that the following product:

Machine type:	Mobile Elevating Work Platform
Model:	A 5 0
Serial number:	
Year of manufacture:	2 0
Date of manufacture:	(YYMMDD)

has been manufactured in accordance with the following product directives:

2006/42/EC; 2014/30/EU; 2014/35/EC

and in conformity with the relevant parts of the following reference standards:

EN ISO 60204-1:2006, EN ISO 13850:2008, EN ISO 7731:2008, EN ISO 13849-1:2008, EN ISO 12100:2010, EN ISO 14121-2:2012, EN 280-1:2022

.....
SIGNATURE

Name:	Bo Arrhén
Title:	CEO
Date:	250929 (YYMMDD)
Place:	Växjö

NOTE! This declaration complies with Annex II, Part A, of 2006/42/EC. In case of modification or alteration of the above-mentioned lift, this document becomes void.

NOTES

NOTES

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SAFELIFT

Made in Sweden

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