



TELESCOPIC MASTS

Operator's manual

TELESCOPIC MASTS

STAR 6 (STAR 13) - STAR 6P - STAR 8 (STAR 22J) - STAR 10 (STAR 26J)

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Operator's manual



| 1 - Operator's manual |
|--|
| 2 - After Sales Service |
| 3 - Compliance |
| 4 - HAULUTTE Services® contact details |
| |
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| OAFETY PRECAUTIONS |
| SAFETY PRECAUTIONS |
| 1 - Recommendations |
| 1.1 - Operator's manual |
| 1.3 - Label colors |
| 2 - Pre-operation instructions |
| 2.1 - General instructions |
| 2.2 - Specific instructions |
| 3 - Operation instructions |
| 3.1 - Prohibitions1! |
| 3.2 - Potential risks |
| 3.2.2 - Risk of falling |
| 3.2.3 - Risk of electrocution |
| 3.2.5 - Risk of burns and explosion |
| 3.2.6 - Risk of crushing and collision |
| |
| В |
| |
| INTERVENOR'S RESPONSIBILITY |
| 1 - Owner's (or hirer's) responsibility21 |
| 2 - Employer's responsibility |
| 3 - Trainer's responsibility21 |
| 4 - Operator's responsibility |
| 5 - Inspection and maintenance |
| |
| C |
| |
| MACHINE LAYOUT |
| 1 - Identification |
| 2 - Main components |
| 3 - Safety devices |
| 3.1 - Sliding (or swinging) intermediate guardrail2 |
| 00 0 ' 1 |
| 3.2 - Swing doors |
| 3.3 - Anchorage point (Please see machine configuration)2 |
| 3.3 - Anchorage point (Please see machine configuration) |
| 3.3 - Anchorage point (Please see machine configuration) |
| 3.3 - Anchorage point (Please see machine configuration) |
| 3.3 - Anchorage point (Please see machine configuration) 29 4 - Labels 29 4 - Classification plan 29 4 1.1 - Red labels 29 4 1.1 - Red labels 39 4 1.1 - Orange labels 39 4 1.1 - Other labels 39 |
| 3.3 - Anchorage point (Please see machine configuration). 29 4 - Labels. 29 4 - Classification plan . 20 4 1.1 - Red labels . 29 4 1.1 - Red labels . 33 4 1.1 - Other labels . 33 |
| 3.3 - Anchorage point (Please see machine configuration). 29 4 - Labels. 29 4 - Classification plan 29 4 1.1 - Red labels 29 4 1.2 - Orange labels 33 4 1.3 - Yellow labels 33 4 1.4 - Other labels 33 4 1.5 - Green labels 33 |







OPERATING PRINCIPLE

| ı - De | scrip | otion | 55 |
|--------|--------|---|------|
| 2 - Sa | fety o | devices | 55 |
| | 2.1 - | Activation of controls | 55 |
| | 2.2- | Drive speed | 55 |
| | 2.3- | Electronic variable speed drive | 55 |
| | 2.4- | Multi-function indicator: Battery charge status calculator-Indicator ho | our5 |
| | 2.5 - | Load limiting in the platform (if fitted) | |
| | 2.6- | Chassis tilt | 57 |
| | 2.7 - | Machine braking | 57 |
| | | Wheel motor brake release | |
| | 2.9 - | Anti-pothole safety system | 57 |
| | | On-board charger | |
| | 2.11 - | Order Picker Specific | 58 |
| | | | |



DRIVING

| Dilliviii | | | | |
|--|---|--|-------|--|
| 1 - Recomme | ndations | | | 59 |
| 2 - Checks ar | nd inspection befo | ore use | ., | 59 |
| 2.1 - Vis 2.1.1 - 2.1.2 - 2.2 - Fu 2.2.1 - 2.2.2 - 2.2.3 - 2.3 - Pe | General mechanical fur Environment | nctions ntrols (emergency sta ontrols (driving station | tion) | . 5 6 6 6 6 6 6 |
| | pection / Testing requirer | | | |
| 3 - Operation | | | | 6 |
| 3.1.1 - 3.1.2 - 3.1.3 - 3.1.4 - 3.2 - Or 3.2.1 - 3.2.2 - 3.2.3 - 3.2.4 - | st procedure. Emergency stop buttor Tilt sensor switch opera Visual and sound alarm Weighing system Beration from ground posit Machine start-up Movement control Derations from the platform Machine start-up Machine start-up Machine start-up Machine start-up Machine start-up Machine shutdown Movement control Other controls Other controls | n operation | | 66 66 66 66 66 66 66 66 66 66 66 66 66 |

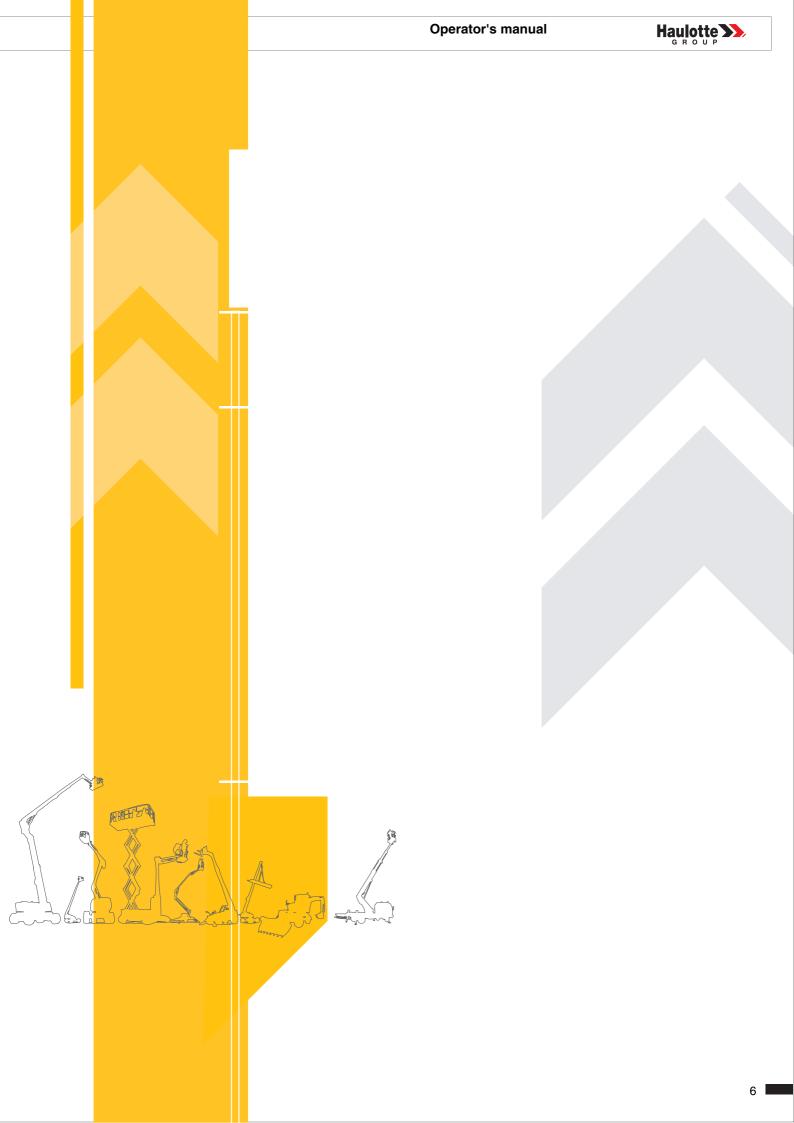




| SPECIAL PROCEDURE |
|--|
| 1 - Emergency lowering73 |
| 1.1 - Principle |
| 1.2 - Procedure |
| 2 - Lowering for repairs |
| 2.1 - Principle |
| 2.2 - Procedure |
| 3 - Towing |
| 3.1 - Brake release |
| 4 - Loading and unloading77 |
| 4.1 - Principle. 77 4.1.1 - Loading by ramp. 77 4.1.2 - Loading by power lift truck 77 4.1.3 - Unloading by power lift truck. 78 4.1.4 - Loading by lifting. 78 4.1.5 - Unloading by lifting. 78 4.2 - Putting in transport position. 79 4.3 - Unloading. 80 4.4 - Warning. 80 5 - Detection of internal fault. 80 5.1 - Principle. 80 5.2 - Procedure. 80 |
| G |
| TECHNICAL CHARACTERISTICS |
| TECHNICAL CHARACTERISTICS 1 - Main characteristics |
| |
| 1 - Main characteristics |
| 1 - Main characteristics 81 2 - Overall dimensions 86 3 - Working area 89 3.1 - Machine STAR 6 89 |
| 1 - Main characteristics 81 2 - Overall dimensions 86 3 - Working area 89 3.1 - Machine STAR 6 89 3.2 - Machine STAR 6 P 90 |
| 1 - Main characteristics 81 2 - Overall dimensions 86 3 - Working area 89 3.1 - Machine STAR 6 89 3.2 - Machine STAR 6 P 90 3.3 - Machine STAR 8 91 |
| 1 - Main characteristics 81 2 - Overall dimensions 86 3 - Working area 89 3.1 - Machine STAR 6 89 3.2 - Machine STAR 6 P 90 3.3 - Machine STAR 8 91 3.4 - Machine STAR 10 92 |
| 1 - Main characteristics 81 2 - Overall dimensions 86 3 - Working area 89 3.1 - Machine STAR 6 89 3.2 - Machine STAR 6 P 90 3.3 - Machine STAR 8 91 3.4 - Machine STAR 10 92 4 - AS - CE standard specifics 93 |
| 1 - Main characteristics 81 2 - Overall dimensions 86 3 - Working area 89 3.1 - Machine STAR 6 89 3.2 - Machine STAR 6 P 90 3.3 - Machine STAR 8 91 3.4 - Machine STAR 10 92 |
| 1 - Main characteristics 81 2 - Overall dimensions 86 3 - Working area 89 3.1 - Machine STAR 6 89 3.2 - Machine STAR 6 P 90 3.3 - Machine STAR 8 91 3.4 - Machine STAR 10 92 4 - AS - CE standard specifics 93 4.1 - Overload test 93 4.2 - Functional test 93 4.3 - Stability test 94 |
| 1 - Main characteristics 81 2 - Overall dimensions 86 3 - Working area 89 3.1 - Machine STAR 6 89 3.2 - Machine STAR 6 P 90 3.3 - Machine STAR 8 91 3.4 - Machine STAR 10 92 4 - AS - CE standard specifics 93 4.1 - Overload test 93 4.2 - Functional test 93 |
| 1 - Main characteristics 81 2 - Overall dimensions 86 3 - Working area 89 3.1 - Machine STAR 6 89 3.2 - Machine STAR 6 P 90 3.3 - Machine STAR 8 91 3.4 - Machine STAR 10 92 4 - AS - CE standard specifics 93 4.1 - Overload test 93 4.2 - Functional test 93 4.3 - Stability test 94 |
| 1 - Main characteristics 81 2 - Overall dimensions 86 3 - Working area 89 3.1 - Machine STAR 6 89 3.2 - Machine STAR 6 P 90 3.3 - Machine STAR 8 91 3.4 - Machine STAR 10 92 4 - AS - CE standard specifics 93 4.1 - Overload test 93 4.2 - Functional test 93 4.3 - Stability test 94 |
| 1 - Main characteristics 81 2 - Overall dimensions 86 3 - Working area 89 3.1 - Machine STAR 6 89 3.2 - Machine STAR 6 P 90 3.3 - Machine STAR 8 91 3.4 - Machine STAR 10 92 4 - AS - CE standard specifics 93 4.1 - Overload test 93 4.2 - Functional test 93 4.3 - Stability test 94 |









You have just purchased a HAULOTTE® product and we would like to thank you for your business.

Operator's manual

As stated on the delivery slip, this manual is one of the documents in the on-board document holder provided upon delivery of your HAULOTTE® machine.

The operator manual is a translation of the original instructions.

Safe operation of this product can only be assured if you follow the operating instructions contained in this manual.

We would particularly like to draw your attention to 2 essential points:

- Compliance with safety instruction (machine, use, environment)
- Use of the equipment within the performance limits set down in this manual.



With regard to the designation of our equipment, we stress that this is purely for commercial purposes and not to be confused with the technical characteristics. Only the tables of technical characteristics should be used to study the suitability of the equipment for the intended use.

2 - After Sales Service

Our HAULOTTE Services® After Sales Service is at your disposal throughout your machine's service life to ensure optimal use of your HAULOTTE product.

- When contacting our After Sales Service, ensure that you provide the machine model and serial number.
- When ordering any consumables or spare parts, please use this manual and the Haulotte Essential catalogue to receive your genuine HAULOTTE spare parts, your only guarantee of parts interchangeability and correct machine operation.
- If there is an equipment malfunction involving a HAULOTTE® product, then contact HAULOTTE Services® immediately even if the malfunction does not involve material and/or bodily damage..
- In the event of malfunctions or incidents involving a HAULOTTE® machine, contact HAULOTTE Services® immediately even if no material or bodily damage is observed and we will intervene as soon as possible (See: HAULOTTE Services® contact details)



3 - Compliance

We would like to remind you that HAULOTTE® complies with the provisions of any applicable directives applicable to this type of machine.

HAULOTTE advises you that NO modifications carried out without the written permission of HAULOTTE® will void the HAULOTTE warranty..

HAULOTTE® cannot be held liable for any changes to the technical specifications contained in this manual.

HAULOTTE® reserves the right to alter technical specifications and to make improvements or modifications to the machine without modifying this manual.



Certain options can modify the machine's operating characteristics and its associated safety. If your machine was originally delivered with options fitted, replacing a safety component associated with a particular options not require any particular precautions other than those associated with the installation itself (static test).

If you intend to add options to your product after original delivery, it is essential to follow the manufacturer's recommendations below:

- Installation by authorised HAULOTTE® personnel only.
- Update the manufacturer's identification plate.
- Have stability tests carried out by a certified agency/competent person.
- Ensure that any additional labels that relate to the option installed, are affixed to the machine in the appropriate location/s.



4 - HAULOTTE Services® contact details

HAULOTTE Services® contact details

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1 - Recommendations

1.1 - OPERATOR'S MANUAL

This operators manual is specific to the HAULOTTE® products listed on the cover page of this manual..



The operator manual does not replace the basic training required for all worksite equipment operators.

HAULOTTE® has compiled this manual to assist in safe and efficient operation of the products covered by the manual.

This manual must be kept on the machine (or in the cab in its storage case. The manual must be available to all operators and must be kept in good condition. Additional copies can be ordered from HAULOTTE Services®.

1.2 - SYMBOLS USED

Symbols are used to alert the operator to safety precautions or to highlight practical information.

Legend

| Symbol | Meaning |
|----------------|--|
| | Danger : Risk of injury or death (work safety) |
| | Caution : Risk of material damage (work quality) |
| \Diamond | Prohibition relating to work safety and quality |
| | Reminder: No identified risk, but a reminder of the need for common sense, good practice or pre-action prerequisites |
| | Cross-reference to another part of the manual (see section or sheet) |
| | Cross-reference to another manual (see manual) |
| >> > | Cross-reference to repairs (contact HAULOTTE Services®) |
| N.B. : | Additional technical information |



1.3 - LABEL COLORS

The potential dangers and any specific regulations are indicated around the product by labels and identification plates.



The labels must be kept in good condition. Additional labels can be obtained from HAULOTTE Services®.

Familiarize yourself with the labels and their respective color codes.

Label color code

| Labels | Color | Meaning |
|--------|--------|---|
| | Red | Potentially fatal danger |
| | Orange | Risk of serious injury |
| | Yellow | Risk of material damage and/or minor injury |
| | Other | Additional technical information |
| | Green | Maintenance operation or information |



2 - Pre-operation instructions

2.1 - GENERAL INSTRUCTIONS



- The employer has the obligation to issue a driving permit to the operator.
- The employer is obliged to inform the operator of the local regulations.



Do not operate the product in the following situations :

- On soft, unstable or cluttered ground.
- With wind blowing faster than the permissible limit. Check the maximum value in the technical characteristics (Section G 1-Main characteristics). Consult the Beaufort scale (Section A 3.2.4-Risk of uncontrolled movement and overturning).
- Close to power lines. Respect the safety distance (Section A 3.2.3-Risk of electrocution).
- At ambient temperatures higher than 45 °C(113 °F) and lower than -15 °C(5 °F) . Consult HAULOTTE® if it is necessary to work outside this range.
- In an explosive atmosphere.
- · During storms (risk of lightning).
- In the presence of strong electromagnetic fields (radar, etc ...).

N.B.-:-You are advised to use the machine under "NORMAL" climatic conditions.. If you need to use the machine in climatic conditions likely to cause deterioration (humidity, temperatures outside the recommended ranges, salinity, corrosiveness, atmospheric pressure), contact HAULOTTE Services®. Reduce intervals between servicing.

N.B.-:-Whilst the machine is not in use, care must be taken to ensure that if the machine is not locked in a secure location, that the unit key switch is removed to prevent unauthorised use of the machine.



2.2 - SPECIFIC INSTRUCTIONS



Do not operate the product in the following situations:

- If the load in the platform exceeds the maximum load authorized. Check the maximum value in the technical characteristics (Section G 1-Main characteristics).
- If the ground slope is greater than the permissible limit. Check the maximum value in the technical characteristics (Section G 1-Main characteristics).
- At night unless the machine is equipped with the optional light.
- If the number of persons exceeds the permissible limit. Check the maximum value in the technical characteristics (Section G 1-Main characteristics)
- If the side force is greater than the permissible force. Check the maximum value in the technical characteristics (Section G 1-Main characteristics)



3 - Operation instructions



It is preferable to operate the machine on flat, consolidated ground (tarmac, concrete, etc.).

3.1 - PROHIBITIONS



- Never use a faulty machine (hydraulic leaks, worn tires, malfunction).
- Never operate the machine controls suddenly.
- Never place the machine against a structure to hold that structure in place.
- Never use the machine to tow other machines or to drag materials.
- Never expose the batteries or electrical components to water (pressure cleaner, rain).
- Never disable the safety devices.
- Do not make contact with a fixed or mobile obstacle. The contact can cause premature deterioration of the structure and lead to the corruption of certain safety elements.
- Do not climb onto the covers.
- Never use the machine with only an operator in the platform. It must be used by 2 operators.
- Never use the machine when the platform is cluttered.
- Never increase the surface area of the platform by using floor extensions or accessories not authorized by HAULOTTE®.
- Never leave the hydraulic cylinders fully extended or retracted before switching off the machine, or during an extended stop period.



- Never use the machine with material or objects suspended from the guard-rail.
- Never use the machine with elements that can increase the wind force (panels).
- Never increase the working height by using attachments (ladder).
- Never use the guardrail as a means of access for climbing in or out of the platform. The basket can be easily accessed in its low position. For machines fitted with: Steps have been provided for this purpose where required.
- Never climb on the guardrail.
- Never use the adjustable tray as step.
- Never climb onto the adjustable tray.
- Never use the machine without fitting the sliding (or rotating) middle rail, closing the safety gate or the swing gates beforehand.
- Never use the machine as a crane, material lift or elevator.
- Never use the machine for any other purpose than to transport people, their tools and material to the desired place.
- Never drive fast in narrow or cluttered areas. Keep speed under control in bends.
- Never tow the machine over extended distances (it must be transported on a trailer).



For STAR 6 P only:

When the machine is used in the picking mode, the area in which it is to be used must be clearly marked with a barrier to prevent access to other equipment or individuals. The area protected by the barrier must be sufficient in all direction to cater for the length of the machine. There should be a person at ground level at all times to act as an observer to ensure that no one enters the area protected by the barrier. The observer must also remain outside the barrier unless an emergency occurs and the platform needs to lowered using the ground level controls.



3.2 - POTENTIAL RISKS

3.2.1 - Risk of command system disturbance

Risk of disrupted movement. Maintain clearance from high voltage lines or magnetic fields.

3.2.2 - Risk of falling

When in the platform, respect the following instructions:



- Carry individual protection equipment adapted to the work conditions and local rules.
- Avoid contact with fixed or mobile obstacles (other machines).
- Ensure that the adjustable midrail is closed (low position and against the guardrails).
- Ensure that the gate is closed and locked (For machines fitted with).
- Hold on securely to the guardrails during elevation and driving.
- Do not sit, stand, or climb on the platform guard rails.
- Ensure that guard rails are correctly installed and locked.
- Always keep your feet firmly on the floor of the platform.
- Remove any trace of oil or grease from the steps, floor, handrail and the guardrails.
- Keep the floor of the platform free of debris.
- Do not leave the platform until it is fully in its stowed position.
- Do not climb on to the platform if the machine is not in the stowed position.



For STAR 6 P only:

- Check that the swing gates are locked.
- The boxes must be securely strapped onto the tray if stacking several boxes or if the boxes are unstable (ie. the height is greater than the width or length). Use the 6 anchorage points provided for this purpose.
- Only parcels not exceeding the surface of the adjustable tray can be handled.
- The adjustable tray must be set at the same the same height as the load to be transferred onto it.

To climb up or climb down from the platform:

- The machine must be completely stowed.
- Face the machine to access the entry opening to the platform
- Keep 3 support points between the steps and the guardrail



3.2.3 - Risk of electrocution

The machine is not electrically insulated and does not offer any insulation protection.



The risks of electrocution are high in the following situations:

- Close to live power lines, consider the movement of the machine and the sway of the electric power lines particularly in windy conditions.
- In the event that you were to make accidental contact with a high voltage line, wait for the power to the line to be switched off before operating the machine.
- During storms.

Never use the machine as a welding earth.

Maintain a minimum safe distance with regard to power lines and electrical devices.

Respect the local rules and the minimum safety distance from power lines..

Minimum safety distance

| Electric voltage | Minimum s | afety distance |
|------------------|-----------|----------------|
| | Mètre | Feet |
| 0 - 300 V | Avoid | I contact |
| 300 V - 50 kV | 3 | 10 |
| 50 - 200 kV | 5 | 15 |
| 200 - 350 kV | 6 | 20 |
| 350 - 500 kV | 8 | 25 |
| 500 - 750 kV | 11 | 35 |
| 750 - 1000 kV | 14 | 45 |

N.B.-:-This table is applicable, except when the local regulations are more strict.

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3.2.4 - Risk of uncontrolled movement and overturning

When in the platform, respect the following instructions:

- Before operating the machine on any indoor or outdoor surface (premises, bridge, truck, etc.), check that the surface is capable of supporting the combined machine weight and platform capacity. Check the maximum value in the technical characteristics (Section G 1-Main characteristics).
- Remain vigilant of driving direction reversal at the platform. Check the driving direction with the help of the red or green arrow on the chassis relative to the red and green arrows on the platform control box.
- Always ensure that the chassis is never driven any closer than 1 m(3 ft3 in) m to holes, bumps, tilts, obstructions, debris and ground coverings that may hide holes and other dangers.
- During motion direction reversal from the platform or ground control box, the joysticks or switches must be stopped in neutral position before reversing the direction of motion.
- Taking note of the overall load dimensions and weight, place the loads in the centre of the platform or distribute them it a uniform manner.
- If the tilt alarm sounds when the platform is raised, lower platform completely, then reposition machine onto level ground before raising platform.



- Do not drive the machine on slopes or tilts beyond the design limits. Check the maximum value in the technical characteristics (Section G 1-Main characteristics).
- Do not travel down slopes at high speed.
- Do not use the machine (elevation and travel) on an incline greater than that permitted by the slope sensor.
- Do not drive in reverse (direction opposite the field of vision).
- Never use the machine in winds exceeding the permissible limit.
- Do not increase the surface area exposed to wind. The greater the surface area exposed, the more unstable the machine becomes.



For STAR 6 P only:

Only drive the machine when the goods to be transported on the tray are securely positioned. The operator must have full visibility of the ground on which the machine is operating.

N.B.-:-The Beaufort scale measures the wind force with a graduation system. A wind speed range at 10 m(32 ft9 in) above flat, clear land is associated with each degree.



Some models have a zero wind rating and must not be exposed to wind forces. It should also be noted that winds can occur inside buildings if external windows or doors are left open. Refer to the machine identification plate to confirm the allowable wind load on the product being used.



Beaufort scale

| Force | Meteorological description | Observed effects | m/s | km/h | mph |
|-------|----------------------------|--|-------------|---------|---------------|
| 0 | Calm | Smoke rises vertically. | 0 - 0,2 | 0 - 1 | 0 - 0,62 |
| 1 | Very light breeze | Smoke indicates the wind direction. | 0,3 - 1,5 | 1 - 5 | 0,62 - 3,11 |
| 2 | Light breeze | Wind felt on the face. Leaves rustle. Weather vanes turn. | 1,6 - 3,3 | 6 - 11 | 3,72 - 6,84 |
| 3 | Slight breeze | Leaves and small branches in constant movement. Flags move slightly. | 3,4 - 5,4 | 12 - 19 | 7,46 - 11,8 |
| 4 | Nice breeze | Dust and loose papers fly. Small branches bend. | 5,5 - 7,9 | 20 - 28 | 12,43 - 17,4 |
| 5 | Nice breeze | Small trees sway. Crested wavelets form on inland waters. | 8,0 - 10,7 | 29 - 38 | 18,02 - 23,6 |
| 6 | Cool wind | Large branches shake. Power lines and chimneys 'sing'. It is difficult to use an umbrella. | 10,8 - 13,8 | 39 - 49 | 24,23 - 30,45 |
| 7 | Strong cool wind | All trees shake. Walking against the wind becomes difficult. | 13,9 - 17,1 | 50 - 61 | 31 - 37,9 |
| 8 | Squall | Some branches break. Generally we cannot walk against the wind. | 17,2 - 20,7 | 62 - 74 | 38,53 - 45,98 |
| 9 | Strong squall | The wind causes slight damage to buildings. Tiles and chimney stacks are blown off. | 20,8 - 24,4 | 75 - 88 | 46,60 - 54,68 |



3.2.5 - Risk of burns and explosion











For any intervention on the power sources, wear glasses and protective clothes (acid spray).

N.B.-:-Acid is neutralised with sodium bicarbonate and water.



- Do not work in an explosive or flammable atmosphere (spark, flame, etc.).
- Do not touch the hot parts of the hydraulic power source (engine, filters, etc.).
- Do not bridge the battery terminals with metallic objects.
- Do not service the battery close to a spark, naked flame, glowing tobacco (emissions of gas).



When in the platform, respect the following instructions:



- During operation, keep all the parts of the body inside the platform.
- To position the machine close to obstacles, use the raise controls (arm, boom, etc.) instead of the drive controls.
- Ensure there are no obstacles (structure) in the work area.
- When driving, position the platform so as to provide the best visibility possible.
- Always obtain assistance from a guide on the ground when manoeuvring.
- All the personnel in the platform or on the within the vicinity of the machine must wear Personal Protection Equipment (safety helmet, etc.).
- When lifting or lowering the basket and during driving, the operator must check that the area above, below and to each side of the machine are clear.
- When moving the machine, ensure that the machine operating areas is free of persons and obstacles.
- Adjust the movement speed to the ground conditions (traffic, slope, etc.).
- Respect stopping distances after the controls are released :
 - 3 m(9 ft10 in) at high speed.
 - 1 m(3 ft3 in) at low speed.



Do not operate other machines (crane, platform, etc.) in the work area.

Take account of the distance, reduced visibility and blind spots during use of the machine.



B

- Intervenor's responsibility

1 - Owner's (or hirer's) responsibility

The owner (or hirer) has the obligation to inform operators of the instructions contained in the Operator Manual.

The owner (or hirer) has the obligation to renew all manuals or labels that are either missing or in bad condition. Additional copies can be ordered from HAULOTTE Services®.

The owner (or hirer) is responsible for applying the local regulations regarding operation of the machine.

2 - Employer's responsibility

. The employer has the obligation to issue a driving permit to the operator.

N.B.-:-In accordance with the regulation in the country where the machine is operating, the user must be authorized to drive by the doctor of Labour Ministry.



Forbid anyone from operating the machine who is:

- Under the influence of drugs, alcohol, etc..
- subject to fits, loss of motor skills, dizziness, etc..

3 - Trainer's responsibility

The trainer must be qualified to provide training to operators in accordance with applicable local regulations. The training must be given in an obstacle-free area until the trainee is considered competent as defined by the training program undertaken.

4 - Operator's responsibility

The operator must read and understand the contents of this manual and the labels affixed on the machine.

The operator must inform the owner (or hirer) if the manual or any labels are missing or in poor condition, and of any malfunction of the machine.

The operator may only operate the machine for the purpose intended by the manufacturer.



Only authorized and qualified operators may operate HAULOTTE® machines.

All operators must become familiar with and fully understand the emergency controls and how to operate the machine in an emergency as a component of their formal operator training.

The operator has the obligation to stop using the machine in the event of malfunction or safety problems on the machine or in the work area and report the problem to his/her supervisor.



- Intervenor's responsibility

5 - Inspection and maintenance

The inspection and maintenance table below, identifies the role and the responsibilities of each party in periodical machine maintenance..



If the machine is operated in a hostile environment or intensively, increase the frequency of maintenance.

Inspections and maintenance

| Type of intervention | Frequency | Person-in-charge | Intervenor | Reference document |
|-----------------------------------|---|------------------|---|--------------------|
| Pre-delivery inspection | Before each delivery of sold, hired or resold equipment | Owner (or hirer) | Qualified HAULOTTE Services® technician | Operator's manual |
| Pre-operation inspection | Before operation or when the operator changes | Operator | Operator | Operator's manual |
| Periodical preventive maintenance | At the specified intervals (250 hours or 1 year) | Owner (or hirer) | On-site technician or qualified HAULOTTE Services® technician | Maintenance book |
| Periodical visit | 2 times a year or at the latest 6 months after the last periodic visit, and according to the local regulations | Owner (or hirer) | Organization or technician approved by the employer or by the intermediary of HAULOTTE Services® in accordance with the HAULOTTE Services® contract | Maintenance book |

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C- Machine layout

1 - Identification

The manufacturers identification plate fixed on the chassis bears all pertinent information to identify the machine (Please see machine configuration).

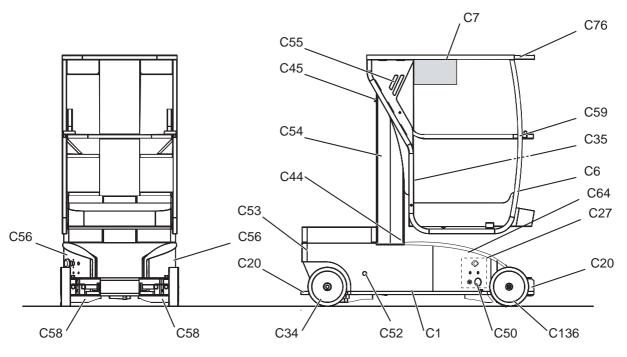
The manufacturers identification plate fixed on the chassis bears all pertinent information to identify the machine (Please see machine configuration).



For any request for information, intervention or spare parts, specify the type and serial number of the machine.

2 - Main components

STAR 6 - Major Component Location Diagram



STAR 6 - Description of the components

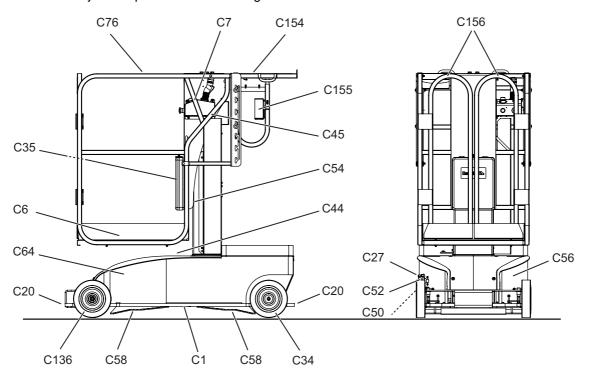
| Marking | | Description |
|---------|------------------------------------|-------------|
| C1 | Chassis | |
| C6 | Platform | |
| C7 | Platform control box | |
| C20 | Tie-down (and/or lifting) points | |
| C27 | Ground control box | |
| C34 | Drive wheels | |
| C35 | Document holder | |
| C44 | Slack chain limit switch | |
| C45 | Mast raised/mast lowered contactor | |
| C50 | Battery charger socket | |
| C52 | Emergency lowering | |
| C53 | Connection control box/chassis | |
| C54 | Telescopic mast | |



| Marking | Description | |
|---------|---------------------------------|--|
| C55 | Platform control box connection | |
| C56 | Battery box | |
| C58 | Pothole protection | |
| C59 | Hinged midrail | |
| C64 | Tilt sensor switch | |
| C76 | Guardrail | |
| C136 | Steer wheels | |



STAR 6 P - Major Component Location Diagram



STAR 6 P - Description of the components

| Marking | | Description |
|---------|------------------------------------|-------------|
| C1 | Chassis | |
| C6 | Platform | |
| C7 | Platform control box | |
| C20 | Tie-down (and/or lifting) points | |
| C27 | Ground control box | |
| C34 | Drive wheels | |
| C35 | Document holder | |
| C44 | Slack chain limit switch | |
| C45 | Mast raised/mast lowered contactor | |
| C50 | Battery charger socket | |
| C52 | Emergency lowering | |
| C54 | Telescopic mast | |
| C55 | Platform control box connection | |
| C56 | Battery box | |
| C58 | Pothole protection | |
| C64 | Tilt sensor switch | |
| C76 | Guardrail | |
| C136 | Steer wheels | |
| C154 | Adjustable tray (Picking type) | |
| C155 | Weighing limit switch for the tray | |
| C156 | Swing doors | |

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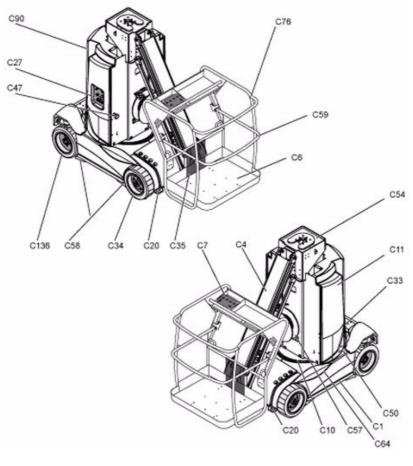
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STAR 8 - STAR 10 - Major Component Location Diagram



STAR 8 - STAR 10 - Description of the components

| Marking | Description | |
|---------|--|--|
| C1 | Chassis | |
| C4 | Pendulum jib | |
| C6 | Platform | |
| C7 | Platform control box | |
| C10 | Slew ring | |
| C11 | Turntable assembly | |
| C20 | Tie-down (and/or lifting) points | |
| C27 | Ground control box | |
| C33 | Counterweight | |
| C34 | Drive wheels | |
| C35 | Document holder | |
| C47 | Battery isolation switch | |
| C50 | Battery charger socket | |
| C54 | Telescopic mast | |
| C57 | Cable reel (Option) | |
| C58 | Pothole protection | |
| C59 | Hinged midrail | |
| C64 | Tilt sensor switch | |
| C76 | Guardrail | |
| C90 | Battery bay (hydraulic block, hydraulic filter and winder) | |
| C136 | Steer wheels | |

3 - Safety devices

3.1 - SLIDING (OR SWINGING) INTERMEDIATE GUARDRAIL



The illustrations in this paragraph do not necessarily correspond to the range of products designated in the manual.

The platform is comprised of guardrails and a sliding mid-rail facilitating platform access.



Do not restrain the sliding midrail to the guard rail.







3.2 - SWING DOORS

For STAR 6 P only:

The platform is comprised of 2 swing doors facilitating platform access. The function is assured by spring hinges returning the door to its closed position as soon as the operator has passed.

The doors close automatically once the operator has entered the platform and stepped clear of the swinging doors.



Do not restrain the swinging doors in their open position.



Do not open the swing doors until the machine is in the stowed position.





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3.3 - ANCHORAGE POINT (PLEASE SEE MACHINE CONFIGURATION)



The illustrations in this paragraph do not necessarily correspond to the range of products designated in the manual.

The machine is equipped with harness anchorage points points which accept a single harness per anchorage point. The anchorage points are identified by the presence of the Anchorage point label.



If the local regulation imposes the wearing of a harness, use the approved anchorage points.









4 - Labels

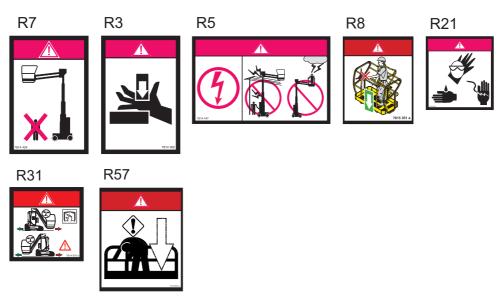
4.1 - CLASSIFICATION PLAN

4.1.1 - Red labels

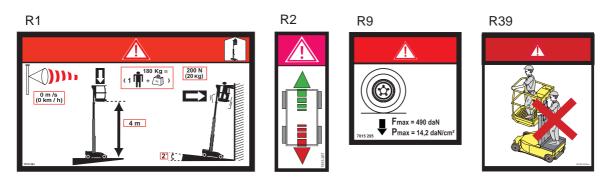


The red labels indicate a potentially fatal danger.

Common labels



Specific labels STAR 6



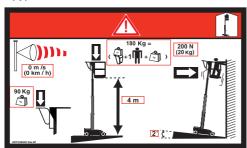






Specific labels STAR 6 P

R1







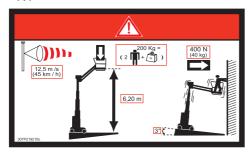


R56



Specific labels STAR 8

R1



R9



R4



R30

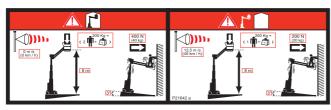


R32



Specific labels STAR 10

R1







R32





4.1.2 - Orange labels



The orange labels indicate a risk of serious injury.

Common labels - CE

01







Common labels - AS

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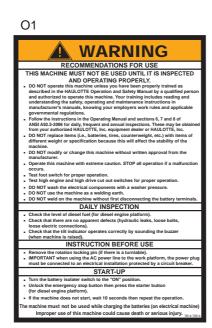








Common labels - ANSI - CSA







4.1.3 - Yellow labels



The yellow labels indicate a risk of material damage and/or minor injury.

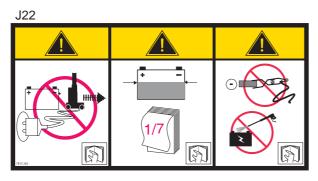
Common labels







Specific labels STAR 6 - STAR 6 P



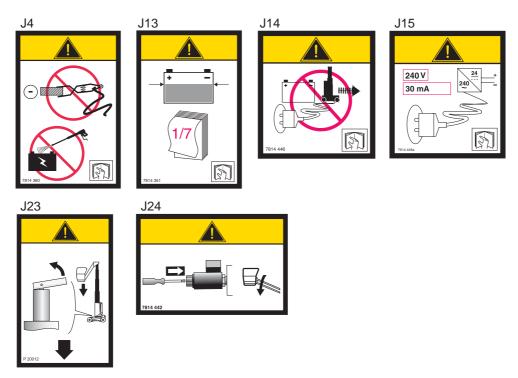
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Specific labels STAR 8 - STAR 10

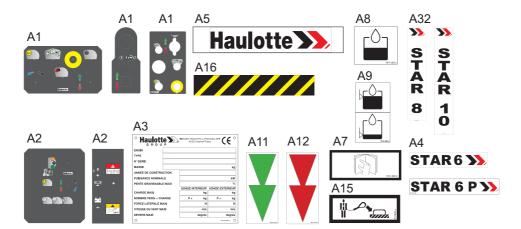


4.1.4 - Other labels



The other labels provide additional technical information.

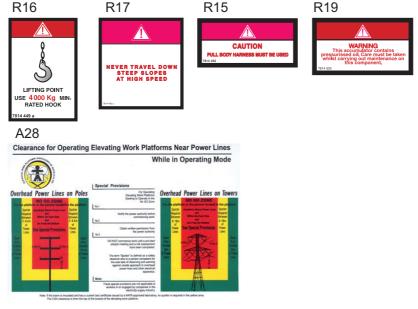
Common labels



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Specific labels AS



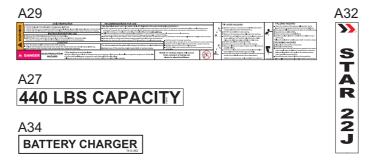
Specific labels ANSI



Specific labels ANSI: STAR 6

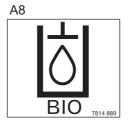


Specific labels ANSI: STAR 8





Specific labels, optional



4.1.5 - Green labels



Green labels indicate maintenance, operations or information (CSA standard).

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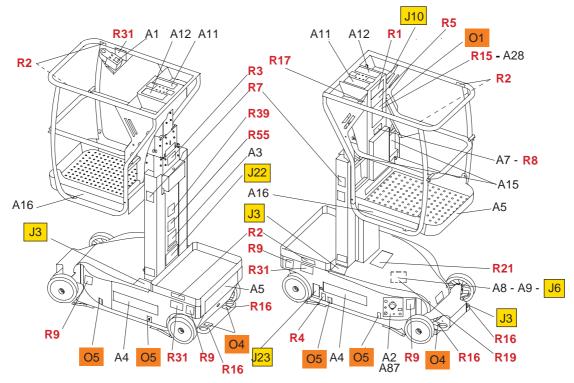
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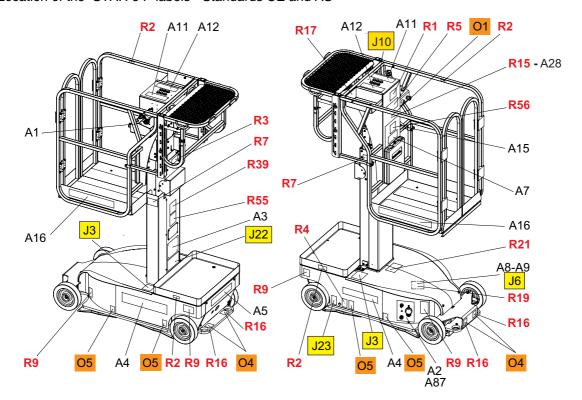


4.2 - IDENTIFICATION

Location of the STAR 6 labels - Standards CE and AS

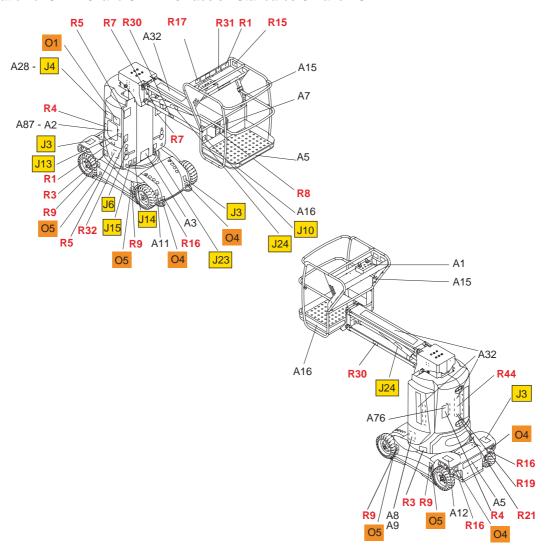


Location of the STAR 6 P labels - Standards CE and AS





Location of STAR 8 and STAR 10 labels - Standards CE and AS



Label descriptions STAR 6 (STAR 13) - STAR 6P - STAR 8 (STAR 22J) - STAR 10 (STAR 26J) - Standards CE and AS

| Color | Marking | Description | Quantity | |
|-------|---------|------------------------------|----------|--|
| Red | R1 | Height of the floor and load | 1 | For STAR 6: 3078152630 For STAR 6 P: 307P228050 For STAR 8: 307P219210 For STAR 10: 307P216420 |
| Red | R2 | Travel direction | 4 | For STAR 6 and STAR 6 P : 3078152670 |
| Red | R3 | Risk of crushed hands | 1 | 3078149010 |
| Red | R4 | Risk of body crushing | 1 | 307P228390 |
| Red | R5 | Danger of electrocution | 1 | 3078144470 |
| Red | R7 | Do not park in the work area | 2 | 3078144240 |
| Red | R8 | Close the sliding mid-rail | 1 | 3078153510 Except STAR 6 P |



| Color | Marking | Description | Quantity | |
|-------|---------|--|---|--|
| Red | R9 | Wheel load | 4 | For STAR 6: 3078152950 For STAR 6 P: 307P229050 For STAR 8: 307P219220 For STAR 10: 307P216430 |
| Red | R15 | Wearing of a safety harness is essential | 1 | For AS standard only : 3078144520 |
| Red | R16 | Load strength on each slings | 4 | For AS standard only : 3078144490 |
| Red | R17 | Do not travel down slopes at high speed | 1 | For AS standard only : 3078144360 |
| Red | R19 | Fluid under pressure | 1 | For AS standard only : 3078145200 |
| Red | R21 | Protective clothing required | 2 | 3078143610 |
| Red | R30 | Vertical crushing of the body | 2 | For STAR 8 and STAR 10:3078144440 |
| Red | R31 | Travel direction | For STAR 6 : 3 For STAR 8 and STAR 10 : 1 | For STAR 6 : 3078152650 For STAR 8 and STAR 10 : 3078148790 |
| Red | R32 | Emergency stop button | 1 | For STAR 8 and STAR 10:3078148800 |
| Red | R39 | Do not climb onto the tool box | 1 | For STAR 6 and STAR 6 P : 307P218750 |
| Red | R44 | Vertical crushing of the body | 2 | For STAR 8 and STAR 10:3078143630 |
| Red | R55 | Maximum load in the toolbox | 1 | For STAR 6 and STAR 6 P : 307P215830 |
| Red | R56 | Do not lower while operating | 1 | For STAR 6 P only: 307P228060 |



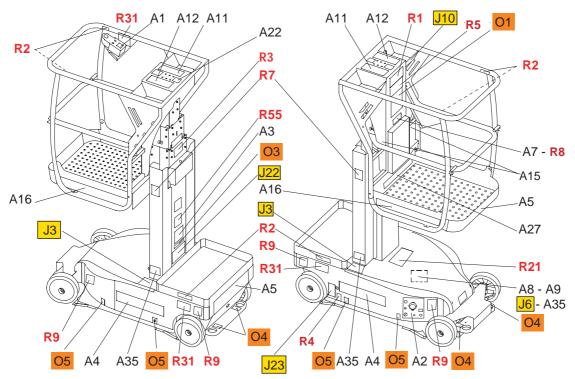
| Color | Marking | Description | Quantity | |
|--------|---------|--|----------|--|
| | | · | | In french (CE standard) |
| Orange | O1 | Operation instructions | 1 | In french (CE standard) : 3078149030 In english (CE standard) : 3078149610 In english (AS standard) : 3078149660 In german (CE standard) : 3078149620 In spanish (CE standard) : 3078149630 In italian (CE standard) : 3078149650 In dutch (CE standard) : 3078149650 In danish (CE standard) : 3078149670 |
| | | | | In finish (CE standard) : 3078149680 In portuguese (CE standard) : 3078149690 In swidish (CE standard) : 3078149700 |
| Orange | O4 | Machine tie down points | 4 | 3078145110 |
| Orange | O5 | Position of the lift truck forks | 4 | 3078143830 |
| Yellow | J3 | Do not place your foot on the cover | 2 | 3078143640 |
| Yellow | J4 | Do not use the machine as a welding earth | 2 | For STAR 8 and STAR 10:3078143600 |
| Yellow | J6 | Verification of tilt operation | 1 | 3078144650 |
| Yellow | J10 | Socket | 1 | CE standard : 3078143540 AS standard : 3078144570 |
| Yellow | J10 | Socket (Option 110V) | 1 | For STAR 6 only: 307P222230 |
| Yellow | J10 | Socket (Option 115V) | 1 | For STAR 8 and STAR 10:3078151380 |
| Yellow | J10 | Socket - Cable reel | 1 | For STAR 8 and STAR 10 : 240V : 3078145730 110V : 3078147580 AS standard : 3078144390 |
| Yellow | J13 | Battery verification | 1 | For STAR 8 and STAR 10 : 3078143510 |
| Yellow | J14 | Using the machine during battery charging is forbidden | 1 | For STAR 8 and STAR 10 : 3078144460 |



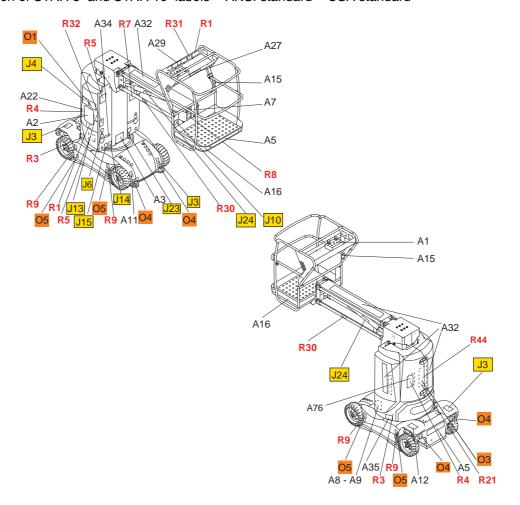
| Yellow | | | | | |
|---|--------|------------|--------------------------------|------------------|---|
| Yellow | Color | Marking | Description | Quantity | |
| Yellow | Yellow | J15 | Battery charger socket | 1 | CE standard : 3078144480 AS standard : |
| Yellow J23 Emergency mast lowering 1 6 P: 3078152660 For STAR 8 and STAR 10: 307P218900 Yellow J24 Emergency jib lowering 1 For STAR 8 and STAR 10: 3078144420 Other A1 Platform control box 1 For STAR 6 P: 3078152460 For STAR 6 P: 3078152460 For STAR 6 P: 3078152460 For STAR 6 P: 3078152460 For STAR 6 P: 3078152600 For STAR 6 P: 3078152680 For STAR 6 and STAR 10: 3078148280 For STAR 6 and STAR 6 P: 3078152680 Other A3 Identification plate 1 3078149300 Other A4 Machine name logo 2 307P217370 For STAR 6 P: 1 Other A5 Small format HAULOTTE® logo For STAR 6 P: 1 307P217910 Other A7 Read the operation manual 1 3078143880 Other A8 Hydraulic oil 1 3078143800 Other A8 Biodegradable oil 1 3078143800 Other A8 Biodegradable oil 1 <td< td=""><td>Yellow</td><td>J22</td><td>Battery use</td><td>1</td><td></td></td<> | Yellow | J22 | Battery use | 1 | |
| Vertical Vertical machine name logo 1 10 : 3078144420 For STAR 6 : 3078152460 For STAR 6 : 3078152460 For STAR 6 P : 3079227960 For STAR 8 and STAR 10 : 3078148280 For STAR 8 and STAR 6 P : 3078148280 For STAR 8 and STAR 6 P : 3078148280 For STAR 8 and STAR 6 P : 3078148300 For STAR 8 and STAR 10 : 3078148300 For STAR 8 and STAR 10 : 3078148300 For STAR 8 and STAR 10 : 3078148300 For STAR 6 P : 3079227980 STAR 8 and STAR 10 : 3078148180 For STAR 6 P : 3079227980 For STAR 8 : 3079217490 For STAR 8 : 5079217490 For STAR 8 : | Yellow | J23 | Emergency mast lowering | 1 | 6 P : 3078152660 For STAR 8 and STAR |
| Other A1 Platform control box 1 3078152460 For STAR 6 P: 307P227960 For STAR 6 P: 307P227960 For STAR 8 and STAR 10: 3078148280 Other A2 Ground control box 1 For STAR 6 and STAR 6 P: 3078152680 For STAR 8 and STAR 10: 3078148300 Other A3 Identification plate 1 3078148300 For STAR 6: 10: 307P217370 For STAR 6: 307P227980 Other A4 Machine name logo 2 For STAR 6 P: 307P227980 Other A5 Small format HAULOTTE® logo For STAR 6 P: 1 For STAR 6, STAR 8 and STAR 10: 22 307P217370 For STAR 6 P: 1 STAR 8 STAR 9 STAR 10: 307P217430 Other | Yellow | J24 | Emergency jib lowering | 1 | |
| Other A2 Ground control box 1 6 P: 3078152680 For STAR 8 and STAR 10: 3078148300 Other A3 Identification plate 1 3078148300 Other A4 Machine name logo 2 For STAR 6: 307P217370 For STAR 6: 307P217370 Other A5 Small format HAULOTTE® logo For STAR 6 P: 1 For STAR 6, STAR 8 and STAR 10: 2 307P217410 Other A7 Read the operation manual 1 3078143680 Other A8 Hydraulic oil 1 3078143680 Other A8 Biodegradable oil 1 3078143520 Other A8 Biodegradable oil 1 3078143520 Other A8 Winter grade hydraulic oil 1 3078143890 Other A8 Winter grade hydraulic oil 1 3078143890 Other A9 Upper and lower oil level 1 3078143890 Other A11 Front green drive direction arrow 1 3078148830 Other A12 Rear red drive direction arrow 1 | Other | A1 | Platform control box | 1 | 3078152460 For STAR 6 P: 307P227960 For STAR 8 and STAR 10:3078148280 |
| Other A4 Machine name logo 2 For STAR 6 : 307P217370 For STAR 6 P: Tor STAR 6 P: 307P227980 Other A5 Small format HAULOTTE® logo For STAR 6 P: 1 For STAR 6 , STAR 8 and STAR 10: 2 307P217410 Other A7 Read the operation manual 1 3078143520 3078143520 Other A8 Hydraulic oil 1 3078148890 Other A8 Winter grade hydraulic oil 1 3078148890 Other A8 Winter grade hydraulic oil 1 3078148890 Other A9 Upper and lower oil level 1 3078143590 Other A11 Front green drive direction arrow 1 3078148820 Other A12 Rear red drive direction arrow 1 3078148830 For STAR 6 P: 1 507 STAR 6 P: 1 507 STAR 6 STAR 8 307P216290 Other A15 Harness anchor point location 507 STAR 6 STAR 8 307P216290 Other A28 Risks of electrocution 1 507 STAR 6 STAR 8 307P217430 Other A32 Vertical machine name logo 507P217400 Other A76 Hand pomp 1 507 STAR 8 and STAR 10: 307P217400 | Other | A2 | Ground control box | 1 | 6 P : 3078152680 For STAR 8 and STAR |
| Other A4 Machine name logo 2 307P217370 For STAR 6 P: 307P227980 Other A5 Small format HAULOTTE® logo For STAR 6 P: 1 For STAR 6, STAR 8 and STAR 10: 2 Other A7 Read the operation manual 1 3078143680 Other A8 Hydraulic oil 1 3078143520 Other A8 Biodegradable oil 1 3078148890 Other A8 Winter grade hydraulic oil 1 307P223700 Other A9 Upper and lower oil level 1 3078143590 Other A11 Front green drive direction arrow 1 3078148820 Other A12 Rear red drive direction arrow 1 3078148830 For STAR 6 P: 1 3078148830 Other A15 Harness anchor point location For STAR 6 P: 1 For STAR 6 P: 1 STAR 6 R 307P216290 Other A16 Yellow and black adhesive tape 2 2421808660 Other A28 Risks of electrocution 1 For STAR 8: 307P217430 Other A32 Vertical machine name logo 307P217430 For STAR 8 and STAR 10: 307P2217400 Other A76 Hand pomp 1 For STAR 8 and STAR 10: 307P227170 | Other | A3 | Identification plate | 1 | 3078146180 |
| Other A5 Small format HAULOTTE® logo For STAR 6 , STAR 8 and STAR 10 : 2 307P217410 Other A7 Read the operation manual 1 3078143680 Other A8 Hydraulic oil 1 3078143520 Other A8 Biodegradable oil 1 3078148890 Other A8 Winter grade hydraulic oil 1 3078148890 Other A9 Upper and lower oil level 1 3078143590 Other A9 Upper and lower oil level 1 3078148820 Other A11 Front green drive direction arrow 1 3078148820 Other A12 Rear red drive direction arrow 1 3078148830 For STAR 6 P : 1 For STAR 6 P : 1 For STAR 6 P : 1 Other A15 Harness anchor point location For STAR 6 , STAR 8 and STAR 8 and STAR 10 : 2 Other A28 Risks of electrocution 1 For AS standard only : 307P226440 For STAR 8 : 307P217430 For STAR 10 : 307P217430 For STAR 8 and STAR 10 : 307P227170 | Other | A4 | Machine name logo | 2 | 307P217370 For STAR 6 P : |
| Other A8 Hydraulic oil 1 3078143520 Other A8 Biodegradable oil 1 3078148890 Other A8 Winter grade hydraulic oil 1 307P223700 Other A9 Upper and lower oil level 1 3078143590 Other A11 Front green drive direction arrow 1 3078148820 Other A12 Rear red drive direction arrow 1 3078148830 For STAR 6 P : 1 For STAR 6 P : 1 For STAR 6 STAR 307P216290 Other A16 Yellow and black adhesive tape 2 2421808660 Other A28 Risks of electrocution 1 For AS standard only : 307P226440 For STAR 8 : 307P217430 307P217430 For STAR 10 : 307P217400 Other A76 Hand pomp 1 For STAR 8 and STAR 10 : 307P227170 | Other | A 5 | Small format HAULOTTE® logo | For STAR 6, STAR | 307P217410 |
| Other A8 Biodegradable oil 1 3078148890 Other A8 Winter grade hydraulic oil 1 307P223700 Other A9 Upper and lower oil level 1 3078143590 Other A11 Front green drive direction arrow 1 3078148820 Other A12 Rear red drive direction arrow 1 3078148830 For STAR 6 P : 1 Other A15 Harness anchor point location For STAR 6, STAR STAR STAR STAR STAR STAR STAR STAR | | A7 | • | 1 | |
| Other A8 Winter grade hydraulic oil 1 307P223700 Other A9 Upper and lower oil level 1 3078143590 Other A11 Front green drive direction arrow 1 3078148820 Other A12 Rear red drive direction arrow 1 3078148830 For STAR 6 P : 1 Other A15 Harness anchor point location For STAR 6 P : 1 307P216290 Other A16 Yellow and black adhesive tape 2 2421808660 Other A28 Risks of electrocution 1 For AS standard only : 307P226440 For STAR 8 : 307P217430 For STAR 8 : 307P217430 For STAR 10 : 307P217400 Other A76 Hand pomp 1 For STAR 8 and STAR 10 : 307P227170 | | | | | |
| Other A9 Upper and lower oil level 1 3078143590 Other A11 Front green drive direction arrow 1 3078148820 Other A12 Rear red drive direction arrow 1 3078148830 For STAR 6 P : 1 For STAR 6 P : 1 3078148830 For STAR 6 , STAR 8 and STAR 10 : 2 307P216290 Other A16 Yellow and black adhesive tape 2 2421808660 Other A28 Risks of electrocution 1 For AS standard only : 307P226440 For STAR 8 : 307P217430 For STAR 8 : 307P217430 307P217430 Other A76 Hand pomp 1 For STAR 8 and STAR 10 : 307P227170 | | | • | | |
| Other A11 Front green drive direction arrow 1 3078148820 Other A12 Rear red drive direction arrow 1 3078148830 Other A15 Harness anchor point location For STAR 6 P : 1 Other A16 Yellow and black adhesive tape 2 2421808660 Other A28 Risks of electrocution 1 For AS standard only : 307P226440 For STAR 8 : 307P217430 For STAR 8 : 307P217430 For STAR 10 : 307P217400 Other A76 Hand pomp 1 For STAR 8 and STAR 10 : 307P227170 | | | | | |
| Other A12 Rear red drive direction arrow 1 3078148830 Other A15 Harness anchor point location For STAR 6 P : 1 307P216290 Other A16 Yellow and black adhesive tape 2 2421808660 Other A28 Risks of electrocution 1 For AS standard only : 307P226440 For STAR 8 : 307P217430 For STAR 8 : 307P217430 For STAR 10 : 307P217400 Other A76 Hand pomp 1 For STAR 8 and STAR 10 : 307P227170 | | | • • | ' 1 | |
| Other A15 Harness anchor point location For STAR 6 P : 1 For STAR 6 , STAR 8 and STAR 10 : 2 Other A16 Yellow and black adhesive tape 2 2421808660 Other A28 Risks of electrocution 1 For AS standard only : 307P226440 For STAR 8 : 307P217430 For STAR 10 : 307P217400 For STAR 10 : 307P217400 Other A76 Hand pomp 1 For STAR 8 and STAR 10 : 307P227170 | | | | 1 | |
| Other A16 Yellow and black adhesive tape 2 2421808660 Other A28 Risks of electrocution 1 For AS standard only : 307P226440 For STAR 8 : 307P217430 For STAR 10 : 307P217400 Other A76 Hand pomp 1 For STAR 8 and STAR 10 : 307P227170 For Italy only : For Italy only : | | | | For STAR 6, STAR | |
| Other A28 Risks of electrocution 1 For AS standard only: 307P226440 Other A32 Vertical machine name logo 3 For STAR 8: 307P217430 For STAR 10: 307P217400 Other A76 Hand pomp 1 For STAR 8 and STAR 10: 307P227170 For Italy only: For Italy only: | Other | A16 | Yellow and black adhesive tape | | 2421808660 |
| Other A32 Vertical machine name logo 3 307P217430 For STAR 10 : 307P217400 Other A76 Hand pomp 1 For STAR 8 and STAR 10 : 307P227170 For Italy only : For Italy only : | | | | | For AS standard only: |
| Other A/6 Hand pomp 1 10 : 307P227170 | | | · | | 307P217430 For STAR 10: 307P217400 |
| For Italy only: | Other | A76 | Hand pomp | 1 | 10:307P227170 |
| Other A87 Emergency control panel 1 307P232500 | Other | A87 | Emergency control panel | 1 | For Italy only : 307P232500 |



Location of the STAR 6 labels - ANSI standard - CSA standard



Location of STAR 8 and STAR 10 labels - ANSI standard - CSA standard



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Label descriptions STAR 6 (STAR 13) - STAR 8 (STAR 22J) - STAR 10 (STAR 26J) - ANSI standard - CSA standard

| Color | Marking | Description | Quantity | |
|--------|---------|---|---|---|
| Red | R1 | Height of the floor and load | 1 | For STAR 6: 3078152970 For STAR 8: 3078149340 For STAR 10: 307P222560 |
| Red | R2 | Travel direction | 4 | For STAR 6 only : 3078152980 |
| Red | R3 | Risk of crushed hands | 1 | 3078147240 |
| Red | R4 | Risk of body crushing | 1 | For STAR 6 : 3078147260 For STAR 8 and STAR 10 : 307P229490 |
| Red | R5 | Danger of electrocution | 1 | 3078149300 |
| Red | R7 | Do not park in the work area | 2 | 3078149310 |
| Red | R8 | Close the sliding mid-rail | 1 | 3078153630 |
| Red | R9 | Wheel load | 1 | For STAR 6: 3078153040 For STAR 8: 307P219240 For STAR 10: 307P222570 |
| Red | R21 | Protective clothing required | 1 | 3078147350 |
| Red | R30 | Vertical crushing of the body | 2 | For STAR 8 and STAR 10: 3078149390 |
| Red | R31 | Travel direction | For STAR 6 : 3 For STAR 8 and STAR 10 : 1 | For STAR 6 : 3078152990 For STAR 8 and STAR 10 : 3078149350 |
| Red | R32 | Emergency stop button | 1 | For STAR 8 and STAR 10 : 3078149370 |
| Red | R44 | Horizontal crushing of the body | 2 | For STAR 8 and STAR 10 : 3078147260 |
| Red | R55 | Maximum load in the toolbox | 1 | For STAR 6 only : 307P215850 |
| Orange | O1 | Operation instructions | 1 | For STAR 6 : 3078149050 For STAR 8 and STAR 10 : 3078147050 |
| Orange | О3 | Risks of explosion | 1 | 3078148030 |
| Orange | O4 | Machine tie down points | 4 | 3078147310 |
| Orange | O5 | Position of the lift truck forks | 4 | For STAR 6 : 3078149290 For STAR 8 and STAR 10 : 3078146950 |
| Yellow | J3 | Do not place your foot on the cover | 2 | 3078147270 |
| Yellow | J4 | Do not use the machine as a welding earth | 2 | For STAR 8 and STAR 10 : 3078147220 |



| Color | Marking | Description | Quantity | |
|---------|---------|-----------------------------------|----------|----------------------------|
| Yellow | J6 | Verification of tilt operation | 1 | 3078147090 |
| Yellow | J10 | Socket | 1 | 3078148900 |
| | | | | For STAR 8 |
| Yellow | J13 | Battery verification | 1 | and STAR 10: |
| | | | | 3078147330 |
| | | Using the machine during battery | | For STAR 8 |
| Yellow | J14 | charging is forbidden | 1 | and STAR 10: |
| | | 3 3 | | 3078149280 |
| Yellow | J15 | Battery charger socket | 1 | For STAR 8 and STAR 10: |
| reliow | 315 | Battery Charger Socket | • | 3078147580 |
| | | | | For STAR 6 only: |
| Yellow | J22 | Battery use | 1 | 3078153000 |
| | | | | For STAR 6: |
| | | | | 3078153010 |
| Yellow | J23 | Emergency mast lowering | 1 | For STAR 8 |
| | | | | and STAR 10: |
| | | | | 307P218920 |
| Vallaur | 10.4 | Emanage and iila lassa vinas | 4 | For STAR 8 |
| Yellow | J24 | Emergency jib lowering | 1 | and STAR 10: 3078149380 |
| | | | | For STAR 6 : |
| | | | | 3078152460 |
| Other | A1 | Platform control box | 1 | For STAR 8 |
| | | | | and STAR 10: |
| | | | | 307P203690 |
| | | | | For STAR 6: |
| 0.11 | 4.0 | | | 3078152880 |
| Other | A2 | Ground control box | 1 | For STAR 8 |
| | | | | and STAR 10: 3078148300 |
| Other | А3 | Identification plate | 1 | 307P218930 |
| | | · | | For STAR 6 only: |
| Other | A4 | Machine name logo | 2 | 307P217380 |
| Other | A5 | Small format HAULOTTE® logo | 2 | 307P217410 |
| Other | A7 | Read the operation manual | 1 | 3078147290 |
| Other | A8 | Hydraulic oil | 1 | 3078147140 |
| Other | A8 | Biodegradable oil | 1 | 3078148920 |
| Other | A9 | Upper and lower oil level | 1 | 3078147210 |
| Other | A11 | Front green drive direction arrow | 1 | 3078148820 |
| Other | A12 | Rear red drive direction arrow | 1 | 3078148830 |
| Other | A15 | Harness anchor point location | 2 | 3078147950 |
| Other | A16 | Yellow and black adhesive tape | 2 | 2421808660 |
| Other | A22 | Voltage table | 1 | 3078147890 |
| | | | | For STAR 6: |
| | | | | 3078153050 For STAR 8 : |
| Other | A27 | Permissible load | 1 | 307P201510 |
| | | | | For STAR 10: |
| | | | | 307P222690 |
| | | | | For STAR 8 |
| Other | A29 | Summary safety instructions | 1 | and STAR 10: |
| | | | | 3078150870 |
| | | | | For STAR 8 : |
| Other | A32 | Vertical machine name logo | 3 | 307P217440 |
| | | _ | | For STAR 10 : 307P222710 |
| | | | | 0071 2227 10 |



| Color | Marking | Description | Quantity | |
|-------|---------|-------------------|----------|---|
| Other | A34 | Battery charger | 1 | For STAR 8 and STAR 10 : 3078148620 |
| Other | A35 | Socket connection | 1 | For STAR 6: 3078153360 For STAR 8 and STAR 10: 3078148630 |
| Other | A76 | Hand pomp | 1 | For STAR 8 and STAR 10: 307P226850 |

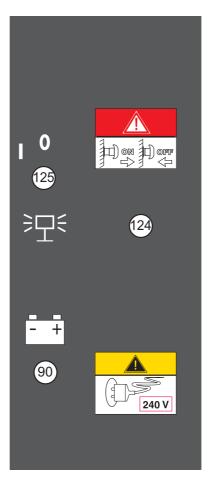


5 - Control boxes

N.B.-:-The functions are described for the entire range. Refer to the machine model to identify the controls and functions indicators.

5.1 - GROUND CONTROL BOX - EMERGENCY CONTROL PANEL

STAR 6 - STAR 6 P - General view



STAR 6 - STAR 6 P - Controls and indicators

| Marking | Description | Function |
|---------|----------------------------------|---|
| 90 | Battery charge indicator | Battery charger status |
| 124 | Main contactor/battery isolation | Pulled out (activated) : Main contactor/battery isolation switch activated |
| 124 | switch- push button | Pushed down (deactivated) : Main contactor/battery isolation switch deactivated |
| 125 | Key selector | Left : Energizes control system Center : De-energizes control system |

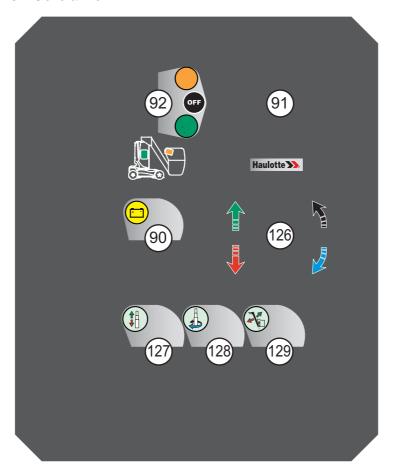


Photo STAR 6 - STAR 6P





STAR 8 - STAR 10 - General view



STAR 8 - STAR 10 - Controls and indicators

| Marking | Description | Function |
|---------|---|--|
| 90 | Battery charge indicator | Battery charger status |
| 91 | Indicator hour-Battery charge indicator | Total machine running hours-Battery charger status |
| | | Move upwards : Platform control box energized |
| 92 | Control box energizing key selector | Center : De-energizes control system |
| | | Move downwards : Ground control box energized |
| | | Moved upwards (proportional) : Mast elevation, clockwise |
| 126 | Movement selector | rotation or jib elevation |
| 120 | | Moved downwards (proportional) : Mast lowering, counter |
| | | clockwise (CCW) turntable rotation or jib lowering |
| 127 | Most talescening coloctor button | Press in and hold (activated) : Mast elevation/lowering |
| 127 | Mast telescoping selector button | Release (deactivated) : Movement stopped |
| 128 | Most rotation coloctor button | Press in and hold (activated) : Mast rotation |
| 120 | Mast rotation selector button | Release (deactivated) : Movement stopped |
| 100 | lib lifting / lowering coloater | Press in and hold (activated) : Jib lifting/lowering |
| 129 | Jib lifting / lowering selector | Release (deactivated) : Movement stopped |



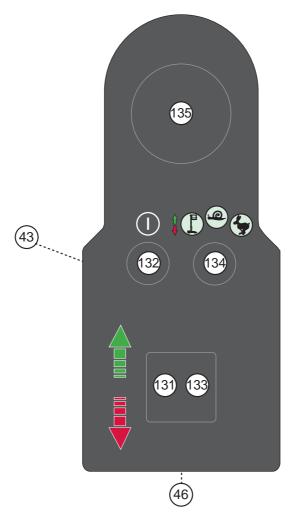
Photo STAR 8 - STAR 10





5.2 - PLATFORM CONTROL BOX

STAR 6 - General view



STAR 6 - Controls and indicators

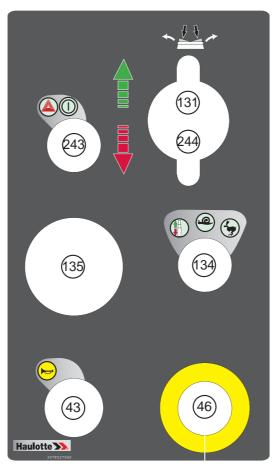
| | Description | Function |
|-----|------------------------------------|---|
| 43 | Horn selector | Horn |
| 46 | Emergency stop button | Pulled out (activated) : Ground control box energized |
| 40 | Emergency stop buttori | Pushed down (deactivated) : De-energizes control system |
| 131 | 'Enable Switch' selector | Hold in the red selector (trigger): Associated command is |
| 101 | Eliable Switch Selector | validated |
| 132 | Movement validation selector | Pressed down : Movement selection |
| 102 | Movement validation selector | Release : Movement validated (time delay) |
| | | Move forward : Forward drive |
| 133 | Drive invetick | Move backward : Reverse drive |
| | Drive joystick | Move to the left : Left-hand steering |
| | | Move to the right : Right-hand steering |
| | lovatick as most movement function | Move forward : Mast elevation |
| | Joystick as mast movement function | Move backward : Mast lowering |



| Marking | Description | Function |
|---------|---|---|
| | | High-speed driving |
| 134 | Movement selector | Low-speed driving |
| | | Mast telescoping |
| 135 | Indicator hour-Battery charge indicator | Total machine running hours-Battery charger status-Alarms indicator |



STAR 6 P - General view



STAR 6 P - Controls and indicators

| Marking | Description | Function |
|---------|---|---|
| 43 | Horn selector | Horn |
| 46 | Emergency stop button | Pulled out (activated) : Ground control box energized |
| 40 | Emergency stop button | Pushed down (deactivated) : De-energizes control system |
| 131 | 'Enable Switch' selector | Press down and hold : Associated command is validated |
| | Movement validation selector - Fault | Pressed down : Movement selection |
| 243 | indicator | Release : Movement validated (time delay) |
| | indicator | Flashing : Adjustable tray overloaded |
| | | Move forward : Forward drive |
| | Drive joystick | Move backward : Reverse drive |
| 244 | | Press left side of button : Left-hand steering |
| 244 | | Press right side of button : Right-hand steering |
| | | Move forward : Mast elevation |
| | Joystick as mast movement function | Move backward : Mast lowering |
| | | High-speed driving |
| 134 | Movement selector | Low-speed driving |
| | | Mast telescoping |
| 135 | Indicator hour-Battery charge indicator | Total machine running hours-Battery charger status-Alarms indicator |



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C- Machine layout

Photo STAR 6

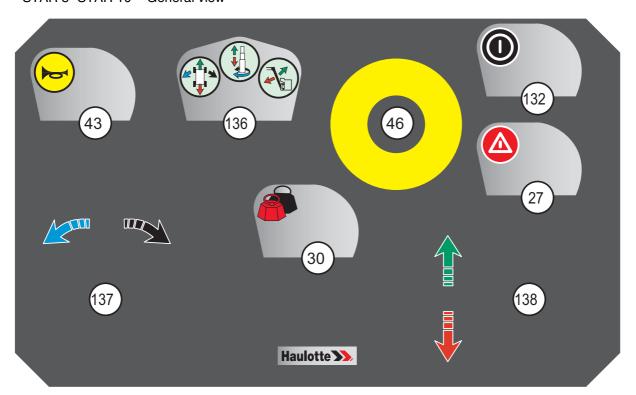


Photo STAR 6 P





STAR 8 -STAR 10 - General view



STAR 8 -STAR 10 - Controls and indicators

| Marking | Description | Function |
|---------|------------------------------|---|
| 27 | Tilt indicator | Machine on excessive slope |
| 30 | Platform overload indicator | Platform overload |
| 43 | Horn selector | Horn |
| 46 | Emergency stop button | Pulled out (activated) : Ground control box energized |
| 40 | Emergency stop button | Pushed down (deactivated) : De-energizes control system |
| 132 | Movement validation selector | Pressed down : Validation selection |
| 132 | Movement validation selector | Release : Movement validated (time delay) |
| 136 | Movement selector | ⊭լ∱⊾ Driving and steering |
| | | Mast telescoping and rotation |
| | | Jib elevation/lowering |
| | | To the right (proportional) : Right-hand steering or counter |
| 137 | Movement selector | clockwise (CCW) mast rotation |
| 137 | | To the left (proportional): Left-hand steering or clockwise |
| | | mast rotation |
| | | Moved upwards (proportional) : Mast elevation, forward |
| 138 | Movement selector | driving or jib elevation |
| 100 | Movement delegater | Moved downwards (proportional) : Mast lowering, reversing or jib lowering |
| | | , |



Photo STAR 8 - STAR 10



- Operating principle

1 - Description

Hydraulic energy to perform machine movements is provided by an electric motor driven hydraulic pump. The operating speed of the pump is governed by a speed regulator.

The controls and start-up of the electric motor are powered by battery.

To protect the user and the machine, safety systems prevent the operation of the machine beyond its capacities. Section G Technical characteristics

These security systems if activated, immobilize the machine and neutralize the movements.



Poor knowledge of the characteristics and operation of the machine can lead the operator to think that a normal safety operation is a malfunction.

2 - Safety devices

2.1 - ACTIVATION OF CONTROLS

The controls must be validated by a 'Enable Switch' system to activate the different movements.

The 'Enable Switch' system depends on the machine configuration and will consist of one of the following:

- · Joystick handle.
- · Pedal.
- · Validation button.

2.2 - DRIVE SPEED

All driving speed options are allowed when the machine is stowed (machine in fully lowered position).



The only speed allowed when not in stowed position is microspeed (This speed is a default speed programed into the machine).

2.3 - ELECTRONIC VARIABLE SPEED DRIVE

The machines are equipped with an electronic speed regulator configured for each function.

The machines are fitted with an electronic variable speed drive which manages the power supplied to the drive motors and hydraulic pump motor. Power to the motors is controlled by the machine calculator.



The speed regulators are configured for each individual machine. Do not interchange the speed controllers/regulators between machines even if they are the same model..



- Operating principle

2.4 - MULTI-FUNCTION INDICATOR : BATTERY CHARGE STATUS CALCULATOR-INDICATOR HOUR

This device has the following functions:

- The origin and type of defect can be located by regulator alarm code display (see maintenance book).
- A hour meter indicates the number of machine in-service hours.
- A battery charge level indicator display with luminous segments.

N.B.-:-If batteries are 80 % discharged, it is impossible to raise the platform and driving is reduced by half (See machine maintenance book).

2.5 - LOAD LIMITING IN THE PLATFORM (IF FITTED)

If the load in the platform exceeds the maximum allowed load, no movement can be activated from the control boxes.



The platform overload indicator and the buzzer warn the operator that the overload condition exists..

There are 2 options that will allow restoration of normal operation:

- To return the machine to normal operation remove some weight from the platform.
- In the event of an emergency or if it is impossible for the driver to operate the controls, use the lower console to lower the platform.

N.B.-:-All the movements are slowed down.

For STAR 6 P only:

The adjustable tray is equipped with a weighing system. If the load on the tray exceeds the maximum allowed load (90 kg(198 lb)), no movement can be activated from the control boxes. The (243) indicator flashes and the buzzer warns the operator.

To return to a normal configuration:

• Remove weight from the adjustable tray.

N.B.-:-The adjustable tray's weighing system is only active when the mast is raised.

- Operating principle

2.6 - CHASSIS TILT

For STAR 6 and STAR 6 P

If the machine is positioned on a slope exceeding the allowable tilt with the mast extended, the tilt control unit alerts the operator.

Drive and elevation controls are cut if this situation lasts longer than 1 or 2 s (seconds).

To restore the drive function, only movements allowing the machine to be stowed are permitted:

· Mast lowering.

If the machine descends a slope greater than 10 % (around 5 $^{\circ}$) with the mast stowed, the machine automatically defaults to slow speed.

For STAR 8 - STAR 10

If the machine is positioned on a slope exceeding authorized tilt, the tilt control unit alerts the operator.

Drive and elevation controls are cut if this situation lasts longer than 1 or 2 s (seconds).

To restore the drive function, only movements allowing the machine to be stowed are permitted:

- · Mast lowering.
- · Jib lowering.
- Turntable rotation.

2.7 - MACHINE BRAKING

If electric power is cut off, the machine is braked automatically.

Performance levels can may be reduced in the following situations:

- · Descending a bumpy ramp.
- · Worn tyres.
- Damp or muddy ground conditions.

2.8 - WHEEL MOTOR BRAKE RELEASE

Each time a drive command is activated, electric power releases the brakes.

2.9 - ANTI-POTHOLE SAFETY SYSTEM

To reduce the risk of tip over, the machine is equipped with anti-tipping devices located under the chassis . The presence of this device depends on the machine configuration

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- Operating principle

2.10 - ON-BOARD CHARGER

Connection point for onboard battery charger.

Battery charging starts as soon as external power supply is connected.



The machine's electric system is automatically deactivated while the external power supply is connected to the machine.

2.11 - ORDER PICKER SPECIFIC

For STAR 6 P only:

Safety precautions



- When the machine is used in the picking mode, the area in which it is to be used must be clearly marked with a barrier to prevent access to other equipment or individuals. The area protected by the barrier must be sufficient in all direction to cater for the length of the machine. There should be a person at ground level at all times to act as an observer to ensure that no one enters the area protected by the barrier. The observer must also remain outside the barrier unless an emergency occurs and the platform needs to lowered using the ground level controls. :
- The parcels must be securely strapped onto the tray if stacking several parcels or if the parcels are unstable (height greater than width or length). Use the 6 anchorage points provided for this purpose.
- Only parcels not exceeding the surface of the adjustable tray can be handled.
- When transferring the load to be transported to or from the storage, the adjustable tray must be situated at the same height as the load to be transferred.

Only drive the machine when the goods to be transported on the tray are securely positioned. The operator must have full visibility of the ground on which the machine is operating.



- Never use the adjustable tray as step.
- Only drive the machine when the goods to be transported on the tray are securely positioned. The
 operator must have full visibility of the ground on which the machine is operating.

Loading instructions

- The boxes must be securely strapped onto the tray if stacking several boxes or if the boxes are unstable (ie. the height is greater than the width or length).
- Only parcels not exceeding the surface of the adjustable tray can be handled.
- The adjustable tray must be set at the same the same height as the load to be transferred onto it.



Lock the machine when it is not operating.



1 - Recommendations

The manager of the company responsible for the commissioning of the machine must ensure that the machine is fit for the work it is to perform. i.e. that the machine is suitable to carry out the work in complete safety in compliance with this Operator Manual. All managers who are responsible for persons operating the machine, must be familiar with the regulations currently applicable in the country of use and ensure that they are adhered to.



Before using the machine, read the previous chapters in this manual. Ensure that you have understood the following points :

- Safety precautions.
- Operator's responsibilities.
- Preparation and the operating principle of the machine.

2 - Checks and inspection before use

Each day and before the beginning of a new work period and on each change of operator, the machine must be subjected to a visual inspection and a complete functional test.

Any repairs required must be performed before the machine is used, its correct operation depends on it.



Find all the function indicators and controls in Section C 5 - Control boxes

2.1 - VISUAL INSPECTIONS

2.1.1 - General mechanical functions

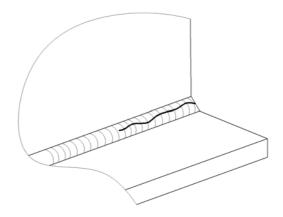
For all the following checks, ensure that the machine is switched off.

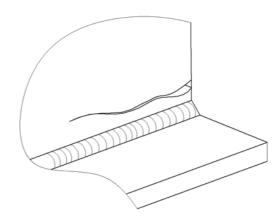
Check the following points:

- The presence of the identification plate, labels and operator manual:
 - Their state of cleanliness and visibility.
 - Clean or replace if necessary.
- Visual state of the machine :
 - Absence of leaks (battery acid, hydraulic oil, etc.). Absence of foreign objects on all surfaces. Call the staff in charge of the maintenance if necessary.
 - No missing or loose parts (bolts, nuts, connectors, cables, etc.). Refer to the "tightening torques" table quoted in the Maintenance Book.
 - Absence of cracks, broken parts, damaged paint. No deformations or other anomalies on the structure's parts.



Example





- · Cylinders' state:
 - No leaks. Refer to the Maintenance book.
 - No rust and abrasions on the cylinder rod.
 - Absence of foreign objects on all surfaces.
- Steering system's state: wheels, reducers, brakes and tires:
 - No cracks, distortions, damaged paint or other faults
 - No missing or loose bolts. Refer to the "tightening torques" table quoted in the Maintenance Book.
 - Condition of the tyres (cuts, excessive wear, etc.).
- Status of the control boxes :
 - No damage.
 - Back to neutral for all joysticks, selectors, etc..
 - Present and legible control labels.
- Movement, safety limit switches :
 - No damage.
 - No missing or loose bolts. Refer to the "tightening torques" table quoted in the Maintenance Book.
 - Absence of foreign objects on all surfaces.
- The state and connection of the electric wires and cables :
 - No damage, wear marks or other faults.
 - No contact between connectors.
- State of the hydraulic unit and pump:
 - No leaks.
 - No missing or loose parts (bolts, nuts, connectors, cables, etc.).
 - Hydraulic oil filter. Refer to the Maintenance book.

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- Driving

- State of the structure's parts : Boom, jib, platform :
 - No cracks, damaged paint.
 - No distortion in metal components or visible damage.
 - Absence of foreign objects at the ends of boom/attachments.
 - Presence and check the original position of the platform control box sliding bar.
- · Condition of the pulley system :
 - No excessive clearance : Refer to the Maintenance book.
 - No missing or loose bolts.
 - Absence of foreign objects on all surfaces.
 - Grease the extension system if necessary.
- State of the tanks:
 - No leaks.
 - No missing or loose parts (bolts, nuts, connectors, cables, etc.). Top up the oil level, if necessary (Machine in transport position).

2.1.2 - Environment

Section A -Safety precautions.

Check the following points:

- Wind speed (Section G 1-Main characteristics).
- The permissible ground pressure and loading on the machine supporting surface (Section G 1-Main characteristics).
- The maximum permissible load in the platform (Section G 1-Main characteristics).
- The maximum permissible lateral force allowed at the platform (Section G 1-Main characteristics).





2.2 - FUNCTIONAL TESTS

2.2.1 - Safety features

Features to be tested:

- Operation of the upper and lower emergency stop buttons.
- · Operation of the tilt sensor.
- · Visual and audible alarms.
- Platform load management system (Where fitted).

For functional test procedures refer to (Section E 3.1-Test procedure).

2.2.2 - Ground control box controls (emergency station)

Refer to the corresponding operations to test the controls in the order mentioned (Section E 3.2-Operation from ground position).

STAR 6 - STAR 6 P

| Step | Control | |
|------|---------------------------------|--|
| 1 | Energizes control system(125) | |

STAR 8 - STAR 10

| Step | Control |
|------|---|
| 1 | Energizes control system(92) |
| 2 | Movements: • Mast elevation/lowering (126) and mast telescoping selector (127) • Mast rotation (126) and mast rotation selector (128) • Jib elevation/lowering (126) and jib selector switch (129) |
| 3 | Control box energizing key selector(92) |





2.2.3 - Platform control box controls (driving station)

Refer to the corresponding operations to test the controls in the order mentioned (Section E 3.3-Operations from the platform).

STAR 6 - STAR 6 P

| Step | Control | |
|------|---|--|
| 1 | Driving and steering 133 | |
| 2 | Movements : | |
| ۷ | Mast movement joystick (133) and mast telescoping movement selector (134) | |
| | Drive speed selector: | |
| 3 | Fast movement selector (134) and joystick (133) | |
| | Slow movement selector (134) and joystick (133) | |
| 4 | Horn selector 43 | |

STAR 8 - STAR 10

| Step | Control | | |
|------|--|--|--|
| 1 | Driving (136) and movement selector (138) | | |
| 2 | Steering (136) and movement selector (138) | | |
| 3 | Movements: • Mast rotation (136) and movement selector (137) • Mast elevation/lowering (136) and movement selector (138) • Jib elevation/lowering (136) and movement selector (138) | | |
| 4 | Horn selector 43 | | |

2.3 - PERIODICAL CHECKS

The machine must be inspected on a regular basis at intervals in accordance with the requirements set forth in the Country of use but no less than once per year. The purpose of the inspection is to detect any defect which could lead to an accident during routine use of the machine.

These inspections must be carried out by a competent company or person whose selection is under the responsibility of the manager (Company employee or other).

The inspection results must be recorded in the safety register or machine log book controlled and overseen by the company manager. This register or machine log book and the list of competent repair persons must be made available to the Government Work Inspector and company safety committee at all times.

N.B.-:- Section H Intervention register



2.4 - REPAIRS AND ADJUSTMENTS

Extensive repairs, interventions or adjustments on the safety systems or elements must be performed by a HAULOTTE Services® employee or a HAULOTTE Services®-approved employee with HAULOTTE Services® training, using original spare parts only.

HAULOTTE Services® technicians are specially trained to carry out extensive repairs, interventions or adjustments on the safety systems or elements of HAULOTTE® machines, and carry genuine HAULOTTE spare parts and tools as required, and also provide fully documented reports on all work completed..

HAULOTTE Services® will not take responsibility for any consequential outcomes resulting from inferior services/repairs carried out by others.

HAULOTTE advises you that NO modifications carried out without the written permission of HAULOTTE® will void the HAULOTTE warranty..

2.5 - INSPECTION / TESTING REQUIREMENTS

Intervention to be made after:

- · Extensive dismantling and reassembly.
- · Repairs involving the machine's essential components.
- Any accident causing mechanical stress to the machine.

Perform a fitness for function inspection, a condition inspection and static and dynamic tests (Consult the After-Sales Service HAULOTTE Services®).





3 - Operation

N.B.-:-The functions are described for the entire range. Refer to the machine model to identify the controls and functions indicators.



Find all the function indicators and controls in <a>Section C 5 - Control boxes

3.1 - TEST PROCEDURE

3.1.1 - Emergency stop button operation

STAR 6 - STAR 6 P - Ground control box emergency stop button

| Step | Action |
|------|--|
| 1 | Pull the battery power switch- push button (124). |
| 2 | Turn the key selector (125) to the left to power up. |
| 3 | Push the battery power switch- push button (124). |

STAR 6 - STAR 6 P - Platform control box emergency stop button

| Step | Action |
|------|--|
| 1 | Pull the emergency stop push-button (46). |
| 2 | Turn the key selector (125) to the left to power up. |
| 3 | Push the emergency stop button (46). |

STAR 8 - STAR 10 - Ground control box emergency stop button

| Step | Action |
|------|---|
| 1 | Pull the emergency stop push-button (46). |
| 2 | Turn the control box activation selector key (92) downwards to activate the ground control box. |
| 3 | Push the emergency stop button (46). |

STAR 8 - STAR 10 - Platform control box emergency stop button

| Step | Action |
|------|---|
| 1 | Pull the emergency stop push-button (46). |
| 2 | Turn the control box activation selector key (92) upwards to activate the platform control box. |
| 3 | Push the emergency stop button (46). |



3.1.2 - Tilt sensor switch operation



For ANSI models only:

Machine unfolded, the slope sensor gives an audible signal telling the operator that the machine should not be deployed. In this case, fully lower the platform and reposition the machine on level ground before raising the platform again.

This test must be performed on the machine with the mast fully extended.

For STAR 6 - STAR 6 P

- 1. Pull the battery power switch push-button (124) on the lower control box.
- 2. Switch on the machine from the lower control box (125).
- 3. Remove the cover.
- 4. Locate the tilt sensor next to the ground control box.
- 5. Manually tilt and maintain the tilt sensor towards the front for a few seconds (Section C 2-Main components):
- The audible beep sounds.
- For machines fitted with: When the slope sensor alarm sounds, the sensor prevents lifting and driving movements.

N.B.-:-With the machine unfolded, the tilt sensor gives an audible signal indicating to the operator that the platform could not raise. In this case, lower the machine completely, then reposition the machine on a level ground before performing any raising operations.

For STAR 8 - STAR 10

- 1. Pull the emergency stop switch- push buttons (46) and on the chassis (button position ON).
- 2. Turn the control box activation selector key (92) downwards or upwards to activate a control box.
- 3. Remove the cover.
- 4. Locate the tilt sensor next to the ground control box.
- 5. Manually tilt and maintain the tilt sensor towards the front for a few seconds (Section C 2-Main components):
- The audible beep sounds.
- For machines fitted with: When the slope sensor alarm sounds, the sensor prevents lifting and driving movements.

N.B.-:-With the machine unfolded, the tilt sensor gives an audible signal indicating to the operator that the platform could not raise. In this case, lower the machine completely, then reposition the machine on a level ground before performing any raising operations.



3.1.3 - Visual and sound alarms

For: STAR 6 - STAR 6 P

- 1. Pull the battery power switch- push button (124).
- 2. Switch the machine on (125). A sound signal (beep) sounds.

For: STAR 8 - STAR 10

- 1. Pull the emergency stop switch- push buttons (46) and on the chassis (button position ON).
- 2. Turn the control box activation selector key (92) downwards or upwards to activate a control box. A sound signal (beep) sounds.

3.1.4 - Weighing system

For STAR 8 - STAR 10

- 1. Pull the emergency stop switch- push buttons (15, 46) and on the chassis (button position ON).
- 2. Turn the control box activation selector key (72) or (92) to activate a control box(Depending on the machine). Platform control box overload indicator (30) flashes.

3.2 - OPERATION FROM GROUND POSITION



Ground control box is an auxiliary to be used only in case of emergency.

3.2.1 - Machine start-up

For: STAR 6 - STAR 6 P

- 1. Pull the battery power switch- push button (124).
- 2. Turn the key selector (125) to the left to power up.

For: STAR 8 - STAR 10

- 1. Pull the emergency stop switch push-button on the chassis (button in position ON): This will de-activate the state of emergency stop button located in platform.
- 2. Turn the control box activation selector key (92) downwards to activate the ground control box.

3.2.2 - Machine shutdown

For: STAR 6 - STAR 6 P

Push in the battery power switch- push button (124).

For: STAR 8 - STAR 10

Push in the emergency stop switch- push button on the chassis (button in OFF position).

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3.2.3 - Movement control

STAR 8 - STAR 10 - Ground control box controls (emergency station)

| Control | | Action |
|----------------------|-------------|---|
| | ↑ [] | Press and hold in the mast telescoping button (127). Push the movement selector paddle (126) upwards to raise the mast. |
| Mast telescoping | | Press and hold in the mast telescoping button (127). Push the movement selector paddle (126) downwards to lower the mast. |
| | | Press and hold in the mast rotation selector button (128). Push the movement selector paddle (126) upwards for clockwise mast rotation. |
| Mast rotation | | Press and hold in the mast rotation selector button (128). Push the movement selector paddle (126) downwards for counter clockwise (CCW) mast rotation. |
| | | Press and hold in the jib selector button (129). Push the movement selector paddle (126) upwards to raise the jib. |
| Jib lifting/lowering | | Press and hold in the jib selector button (129). Push the movement selector (126) downwards to lower the jib. |

N.B.-:-Either the selector button or speed selector paddle are released, movement stops.

3.2.4 - Other controls

For: STAR 8 - STAR 10

• Switching from the ground control box to the platform control box :



The emergency switch- push button on the chassis must be in position ON.

- Turn the control box activation selector key (92) upwards to activate the platform control box. The ground control box controls are de-energized.
- Switching from the platform control box to the ground control box :



The emergency switch- push button on the chassis must be in position ON.

 Turn the control box activation selector key (92) downwards to activate the ground control box. The platform control box controls are de-energized.



3.3 - OPERATIONS FROM THE PLATFORM

3.3.1 - Machine start-up

Pull the emergency stop button 46.

3.3.2 - Machine shutdown

Press the emergency stop button (46).

3.3.3 - Movement control



Activate the controls and the 'Enable Switch' system simultaneously to perform the various movements.



The validation selector authorises validation of the joystick's action for 3 seconds for STAR 6 (STAR 13) - STAR 6P and for 2 seconds for STAR 8 (STAR 22J) - STAR 10 (STAR 26J). The joystick becomes inoperative after this time limit.

Platform control box controls (driving station) STAR 6

| Control | Action |
|------------------|---|
| | Set the movement selector (134) to : |
| | • High for high speed. |
| • | • Slow 🔎 for slow driving. |
| Driving | Pull the drive joystick (133) forwards to move the machine forwards. |
| Briving | Set the movement selector (134) to: |
| , | • High for high speed. |
| | • Slow lo for slow driving. |
| | Pull the drive joystick (133) backwards to reverse the machine. |
| | Push the steering joystick (133) to the left to steer left. |
| Steering | Push the steering joystick (133) to the right to steer right. |
| • | Set the movement selector (134) to mast telescoping. Push the mast movement joystick (133) forwards to raise the mast. |
| Mast telescoping | Set the movement selector (134) to mast telescoping. Push the mast movement joystick (133) backwards to lower the mast. |



Platform control box controls (driving station) STAR 6 P

| Control | | Action |
|------------------|----------|---|
| | | Set the movement selector (134) to : |
| | A | • High for high speed. |
| | | • Slow for slow driving. |
| Driving | • | Pull the drive joystick (133) forwards to move the machine forwards. Set the movement selector (134) to: |
| | | • High for high speed. |
| | | • Slow lo for slow driving. |
| | | Pull the drive joystick (244) backwards to reverse the machine. |
| Steering | | Push the joystick button (244) to the left to steer left. |
| | | Push the joystick button (244) right to steer right. |
| Mast telescoping | ΑП | Set the movement selector (134) to mast telescoping. Push the mast movement joystick (244) forwards to raise the mast. |
| | | Set the movement selector (134) to mast telescoping. Push the mast movement joystick (244) backwards to lower the mast. |



Platform control box controls (driving station) STAR 8 - STAR 10

| Control | Action |
|------------------|---|
| Driving | Set the movement selector (136) to driving and steering. Push the movement selector (138) upwards to move the machine forwards. |
| | Set the movement selector (136) to driving and steering. Push the movement selector (138) downwards to reverse the machine. |
| Steering | Set the movement selector (136) to driving and steering. Push the movement selector (137) to the right to steer right. |
| | Set the movement selector (136) to driving and steering. Push the movement selector (137) to the left to steer left. |
| Mast telescoping | Set the movement selector (136) to mast telescoping. Push the movement selector paddle (138) upwards to raise the mast. |
| | Set the movement selector (136) to mast telescoping. Push the movement selector paddle (138) downwards to lower the mast. |
| Mast rotation | Set the movement selector (136) to mast rotation. Push the movement selector paddle (137) to the right for counter clockwise (CCW) mast rotation. |
| | Set the movement selector (136) to mast rotation. Push the movement selector paddle (137) to the left for clockwise mast rotation. |
| | Set the movement selector (136) to jib elevation/lowering. Push the movement selector paddle (138) upwards to raise the jib. |

Jib lifting/lowering



Set the movement selector (136) to jib elevation/lowering. Push the movement selector (138) downwards to lower the jib.

N.B.-:-The release of the selectors and (or) joysticks causes all movement to stop.

3.3.4 - Other controls

• Horn: Push the horn push-button (43) to sound the horn.

N.B.-:-Releasing the push button stops the horn.



1 - Emergency lowering

1.1 - PRINCIPLE

Emergency lowering is required if the operator in the platform is no longer capable of controlling the movements even though the machine operates normally.

A ground operator trained in using the emergency controls and in possession of the starter key can operate the ground control box with the main power source to lower the platform operator.

1.2 - PROCEDURE

Section A 2-Pre-operation instructions

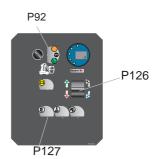
For: STAR 6 - STAR 6 P

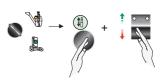
Push the emergency valve located under the chassis.



For: STAR 8-STAR 10

- 1. Turn the control box activation selector key (92) downwards to activate the ground control box. The platform control box controls are de-energized.
- 2. Press the mast telescoping selector (127) and movement selector (126) simultaneously downwards.







If the machine is stuck or hooked in surrounding structures or equipment, it is essential to release the operators before intervening on the machine.



2 - Lowering for repairs

2.1 - PRINCIPLE

The lowering for repairs function allows the operator to be lowered to the ground in case of failure of the main power source.



For STAR 6 and STAR 6P only:

• Ensure that the platform is supported in the raised position whenever access is required to the power system under the power system cover at ground level.

2.2 - PROCEDURE

For: STAR 6 - STAR 6 P

Push the emergency valve located under the chassis.



For: STAR 8 - STAR 10

Lowering the mast manually

- Pull the mast lowering solenoid valve control to lower the mast.
- Release it to halt lowering



For: STAR 8-STAR 10

Lowering the jib manually

- Press the centre of the solenoid valve to lower the jib.
- · Release it to halt lowering.





If the operator in the platform has to exit the platform when elevated, he must exit onto a sturdy, safe structure, the transfer must respect the following recommendations:



- The operator must secure himself by using 2 straps. One lanyard is attached to the platform, the other to the structure onto which he wishes to exit.
- The operator must exit the platform via the standard access point.
- The operator must not detach the strap connected to the platform until transfer is complete or while the transfer still presents a danger.



If the operator cannot be lowered by any of the above mentioned methods, contact HAULOTTE Services® immediately.

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3 - Towing

In case of a machine failure, it is possible to tow it to load it onto a trailer.

3.1 - BRAKE RELEASE

To tow a broken-down machine, perform manual brake release.



Perform these operations on flat, horizontal ground. Failing that, block the wheels to immobilize the machine. During an operation of releasing the clutch from the drive system, the machine is in free wheels, the brake system is no more longer.

For STAR 6 (STAR 13) - STAR6 P:

 Maintain the pull rod in brake release position during towing or moving the machine.





For STAR 8 (STAR 22J) - STAR 10 (STAR 26J):

In the event of machine traction, the drive wheels break release is available via the switch found in the turntable switch box. To use the switch, the machine must be disconnected from the power source using the SB1 battery isolation and the battery charger must be disconnected from the mains.





4 - Loading and unloading

N.B.-:-When traveling up slopes, during loading or unloading HAULOTTE® recommends positioning the counterweight at the rear.

4.1 - PRINCIPLE

4.1.1 - Loading by ramp

N.B.-:-The slope of the ramp is always greater than the maximum authorized slope. To authorise driving :

· Lower the mast and jib.



To avoid any risk of sliding during loading, ensure that :

- The loading ramps can bear the load.
- The loading ramps are correctly attached.
- The loading ramp has sufficient grip.
- The machine is completely stowed.

If 2 ramps are used, ensure that the distance between them does not exceed 0,35 m(1 ft1 in).

If the slope is too steep, use a winch in addition to traction.



Never place yourself below or too close to the machines during loading.

A wrong move can lead to machine tip over which could result in serious injury or material damage.

For STAR 6 only

N.B.-:-In order to perform loading and unloading operations, the operator can :

- Disconnect the upper control unit.
- · Connect the upper control unit to the chassis.



4.1.2 - Loading by power lift truck

- Ensure that the machine controls are in the OFF position.
- Use a sufficiently powerful lift truck of sufficient capacity.
- Move the forks apart.
- Place the forks in the positions indicated on the chassis.
- Place the forks well under the machine to ensure optimum stability.



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4.1.3 - Unloading by power lift truck

- While lifting, make sure that the load is evenly spread.
- Lower the machine onto the support surface.

4.1.4 - Loading by lifting

For: STAR 8 - STAR 10

Use a lifting beam with 4 slings of sufficient strength.



4.1.5 - Unloading by lifting

For: STAR 8 - STAR 10

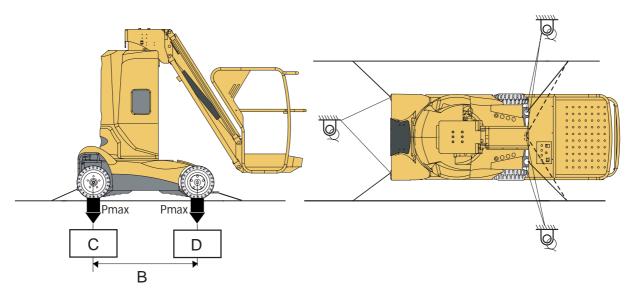
Hook the 4 slings on the 4 sling hooks provided for this purpose.

4.2 - PUTTING IN TRANSPORT POSITION

The machine must be completely stowed.

- 1. Check that there is no load in the platform.
- 2. Secure the machine to the anchorage points provided for this purpose.
- 3. The guardrails must be locked and/or folded back.
- 4. Extensions must be locked and restrained with straps.

For: STAR 6 - STAR 6 P - STAR 8 - STAR 10



Loading characteristics

| Marking | Description | STAR 6 | STAR 6 P |
|---------|--|---|---|
| В | Lateral distance between the wheels ⁽¹⁾ . | 1,17 m(3 ft10 in) | 1,17 m(3 ft10 in) |
| С | Front wheel ground pressure ((1.)) | 14,2 daN/cm ² (2,90 lbf/sq.ft) | 17,6 daN/cm ² (3,60 lbf/sq.ft) |
| D | Rear wheel ground pressure((1.)) | 14,2 daN/cm ² (2,90 lbf/sq.ft) | 17,6 daN/cm ² (3,60 lbf/sq.ft) |
| | Anchorage point | | |

^(1.) Check the technical data in the technical characteristics

Loading characteristics

| Marking | Description | STAR 8 | STAR 10 |
|---------|--|-----------------------------|-------------------------------|
| В | Lateral distance between the wheels ⁽¹⁾ . | 1,20 m(3 ft11 in) | 1,20 m(3 ft11 in) |
| С | Front wheel ground pressure ((1.)) | 15 daN/cm² (3,07 lbf/sq.ft) | 18,2 daN/cm² (3,73 lbf/sq.ft) |
| D | Rear wheel ground pressure((1.)) | 15 daN/cm² (3,07 lbf/sq.ft) | 18,2 daN/cm² (3,73 lbf/sq.ft) |
| | Anchorage point | | |

^(1.) Check the technical data in the technical characteristics



4.3 - UNLOADING



Before operating, check that the machine is in good condition.

the damage must be assessed by a competent person to decide wether the machine can be operated. The transport company must also be advised of the damage in writing.

- 1. The machine is completely stowed.
- 2. Remove the tie downs.
- 3. Start the machine.

4.4 - WARNING



Do not travel down the ramp at a fast speed.

5 - Detection of internal fault

5.1 - PRINCIPLE

For: STAR 6 (STAR 13) - STAR 6 P - STAR 8 - STAR 10

The machine is equipped with an internal fault detection system.

The code displayed on the hour recorder (91) shows the user what kind of fault has occurred.

According to the type of fault, the machine switches to DOWNGRADED MODE; certain movements can be limited or forbidden by the system to maintain the operator's safety.

5.2 - PROCEDURE

- 1. Stow the machine.
- 2. Switch the machine off.



Do not use the machine until the fault has been repaired.

Perform the required maintenance (see the machine maintenance book).



1 - Main characteristics



Certain options can modify the machine's operating characteristics and its associated safety. If your machine was originally delivered with options fitted, replacing a safety component associated with a particular options not require any particular precautions other than those associated with the installation itself (static test).

If you intend to add options to your product after original delivery, it is essential to follow the manufacturer's recommendations below:

- Installation by authorised HAULOTTE® personnel only.
- Update the manufacturer's identification plate.
- Have stability tests carried out by a certified agency/competent person.
- Ensure that any additional labels that relate to the option installed, are affixed to the machine in the appropriate location/s.

HAULOTTE® has a continuous improvement policy in place for its product range; Given this policy, The Company reserves the right to modify their product technical characteristics without notice.

The hand and feet vibration and accoustic power values indicated in the technical characteristics tables are obtained in the following conditions:

- The maximum quadratic mean value weighted as an acceleration frequency and the total value of the vibrations to which the hand-arm system is exposed have been measured on the products by simulating a cycle representative of normal use. The values meet the requirements of the 2006/42/CE machine directive.
- For electric machines, the accoustic power level is measured at the drive station under the conditions described by the 2006/42/CE machine directive.
- For machines equipped with internal combustion engines, the accoustic level guarantees (LWA displayed on the product) and is measured in accordance with the method and the conditions described in Appendix III, Part B, Method 1 and 0 of the 2000/14/CE European directive.

For STAR 6 - Technical characteristics

| Machine | STA | STAR 6 | | 3 |
|--|----------------------------|-------------|----------------------------|-------------|
| Characteristics | Metric | Imperial | Metric | Imperial |
| Length of machine in stowed position | 1,5 m | (4 ft11 in) | 1,5 m | (4 ft11 in) |
| Overall width of machine | 0,76 m | (2 ft5 in) | 0,76 m | (2 ft5 in) |
| Machine stowed height | 1,65 m | (5 ft5 in) | 1,65 m | (5 ft5 in) |
| Maximum ground clearance | 0,07 m | (0 ft3 in) | 0,07 m | (0 ft3 in) |
| Maximum work height | 6,00 m | (19 ft8 in) | 6,00 m | (19 ft8 in) |
| Maximum platform height | 4,00 m | (13 ft1 in) | 4,00 m | (13 ft1 in) |
| Platform stowed length | 0,80 m | (2 ft7 in) | 0,80 m | (2 ft7 in) |
| Platform width | 0,68 m | (2 ft2 in) | 0,68 m | (2 ft2 in) |
| Outer turning radius | 1,50 m | (4 ft11 in) | 1,50 m | (4 ft11 in) |
| Inner turning radius | 0,24 m | (0 ft9 in) | 0,24 m | (0 ft9 in) |
| Distance between centres of the wheels | 1,17 m | (3 ft10 in) | 1,17 m | (3 ft10 in) |
| Dumping CE - AS | 2 | 0 | | |
| Rated slope ANSI - CSA | | | 0 ° | |
| Slope warning ANSI - CSA | | | 2 ° | |
| Maximum wind speed allowed | 0 km/h -Indoor use only | (0 mph) | 0 km/h -Indoor use only | (0 mph) |
| 700 | .10.11 | | ALIC | 01 |



| Machine | STAR 6 | | STAR 13 | | |
|--|--------------------------|----------------|--------------------------|----------------|--|
| Characteristics | Metric | Imperial | Metric | Imperial | |
| Total weight | 810 kg | (1786 lb) | 810 kg | (1786 lb) | |
| Maximum platform load | 180 kg | (400 lb) | 180 kg | (400 lb) | |
| Maximum number of people on the platform | 1 | | | | |
| Engine type | | Elec | etric | | |
| Engine power | 0,9 kW (1,2 Hp) | | | | |
| Acoustic power | <70 dB (A) | | | | |
| Hand vibration | >2,5 m/s ² | (98,4 in/s²) | >2,5 m/s ² | (98,4 in/s²) | |
| Feet vibration | <2,5 m/s ² | (98,4 in/s²) | <2,5 m/s ² | (98,4 in/s²) | |
| Hydraulic oil tank capacity | 5 I | (1,32 gal US) | 5 I | (1,32 gal US) | |
| Operating batteries | | 24 V-1 | 80 Ah | | |
| Maximum climbable slope | | 20 | % | | |
| Tyre type and/ or size | | Solid | tyres | | |
| Wheel nut torque | 12,7 daN.m | (93,7 lbf.ft) | 12,7 daN.m | (93,7 lbf.ft) | |
| Maximum ground pressure on hard ground | 14,2 daN/cm ² | 2,91 lbf/sq.ft | 14,2 daN/cm ² | 2,91 lbf/sq.ft | |
| Micro drive speed | 0,5 km/h | (0,1 mph) | 0,5 km/h | (0,1 mph) | |
| Low drive speed | 1,5 km/h | (0.9 mph) | 1,5 km/h | (0.9 mph) | |
| High drive speed | 5 km/h | (3.1 mph) | 5 km/h | (3.1 mph) | |
| Manual lateral force at platform | CE - AS : 20 | 0 N - 45 lbf | ANSI - CSA : 4 | 45 N / 100 lbf | |



For STAR 6 P - Technical characteristics

| Machine | STAR | 6 P | |
|--|--------------------------|----------------|--|
| Characteristics | Metric | Imperial | |
| Length of machine in stowed position | 1,5 m | (4 ft11 in) | |
| Overall width of machine | 0,77 m | (2 ft6 in) | |
| Machine stowed height | 1,65 m | (5 ft5 in) | |
| Maximum ground clearance | 0,075 m | (0 ft3 in) | |
| Maximum work height | 6,00 m | (19 ft8 in) | |
| Maximum platform height | 4,00 m | (13 ft1 in) | |
| Platform stowed length | 0,70 m | (2 ft4 in) | |
| Platform width | 0,74 m | (2 ft4 in) | |
| Outer turning radius | 1,50 m | (4 ft11 in) | |
| Inner turning radius | 0,24 m | (0 ft9 in) | |
| Distance between centres of the wheels | 1,17 m | (3 ft10 in) | |
| Dumping CE - AS | 2 ° | | |
| Maximum wind speed allowed | 0 km/h (0 mph)-Ir | ndoor use only | |
| Total weight | 820 kg | (1808 lb) | |
| Maximum platform load | 180 kg | (400 lb) | |
| Maximum number of people on the platform | 1 | | |
| Maximum picking platform load | 90 kg | (198 lb) | |
| Engine type | Elect | ric | |
| Engine power | 0,9 kW (1 | ,2 Hp) | |
| Acoustic power | <73 dB | 3 (A) | |
| Hand vibration | >2,5 m/s ² | (98,4 in/s²) | |
| Feet vibration | <2,5 m/s ² | (98,4 in/s²) | |
| Hydraulic oil tank capacity | 71 | (2 gal US) | |
| Operating batteries | 24 V-18 | 0 Ah | |
| Maximum climbable slope | 20 % | 6 | |
| Tyre type and/ or size | Solid tyres | | |
| Wheel nut torque | 12,7 daN.m | (93,7 lbf.ft) | |
| Maximum ground pressure on hard ground | 17,6 daN/cm ² | 3,60 lbf/sq.ft | |
| Micro drive speed | 0,5 km/h | (0,1 mph) | |
| Low drive speed | 1,5 km/h | (0.9 mph) | |
| High drive speed | 5 km/h | (3.1 mph) | |
| Manual lateral force at platform | CE - AS : 200 N - 45 lbf | | |



For STAR 8 - Technical characteristics

| Machine | STAR 8 | | | STAR 22J | | |
|--|---|---|--|---|--|--|
| Characteristics | Metric | Imperial | Metric | Imperial | | |
| Length of machine in stowed position | 2,70 m | (8 ft10 in) | 2,70 m | (8 ft10 in) | | |
| Overall width of machine | 1,00 m | (3 ft3 in) | 1,00 m | (3 ft3 in) | | |
| Machine stowed height | 1,99 m | (6 ft6 in) | 1,99 m | (6 ft6 in) | | |
| Maximum ground clearance | 0,10 m | (0 ft3 in) | 0,10 m | (0 ft3 in) | | |
| Maximum work height | 8,20 m | (26 ft11 in) | 8,80 m | (28 ft10 in) | | |
| Maximum platform height | 6,20 m | (20 ft4 in) | 6,80 m | (22 ft4 in) | | |
| Maximum work radius | 3,00 m | (9 ft10 in) | 3,00 m | (9 ft10 in) | | |
| Turntable rotation | 345 | 0 | 345 | | | |
| Pendulum jib working range | 130 | 0 | 130 | 0 | | |
| Platform stowed length | 0,78 m | (2 ft7 in) | 0,78 m | (2 ft7 in) | | |
| Platform width | 0,93 m | (3 ft1 in) | 0,93 m | (3 ft1 in) | | |
| Outer turning radius | 1,88 m | (6 ft2 in) | 1,88 m | (6 ft2 in) | | |
| Inner turning radius | 0,45 m | (1 ft6 in) | 0,45 m | (1 ft6 in) | | |
| Distance between centres of the wheels | 1,20 m | (3 ft11 in) | 1,20 m | (3 ft11 in) | | |
| Dumping CE - AS | 3 ° | | | | | |
| Rated slope ANSI - CSA | | | 0 ° | , | | |
| Slope warning ANSI - CSA | | | 5 ° | | | |
| | Indoor use : 0 km/ | Indoor use : (0 | Indoor use: 0 km/ | Indoor use: (0 | | |
| Maximum wind speed allowed | h Outdoor use: 45 km/h | mph) Outdoor use : (28 mph) | h Outdoor use: 45 km/h | mph) Outdoor use: (28 mph) | | |
| Total weight | 2610 kg | (5755 lb) | 2680 kg | (5909 lb) | | |
| Maximum platform load | 200 kg | (440 lb) | 200 kg | (440 lb) | | |
| Maximum number of people on the platform | | 2 | 2 | | | |
| Engine type | | Elec | ctric | | | |
| Engine power | | 1,2 kW | (1,6 Hp) | | | |
| Acoustic power | | <70 c | IB (A) | | | |
| Hydraulic oil tank capacity | 7 I | (2 gal US) | 7 I | (2 gal US) | | |
| Operating battery | | 24 V-2 | 240 Ah | | | |
| Maximum climbable slope | | 23 | % | | | |
| Tyre type and/ or size | | Solid | tyres | | | |
| Wheel nut torque | 11.5 daN.m-Steer wheels 8 daN.m-Central bolt for the drive wheels | (84.87 lbf.ft) - Steer wheels (59 lbf.ft) - Central bolt for the drive wheels | 11.5 daN.m-Steer wheels- 8 daN.m-Central bolt for the drive wheels | (84.87 lbf.ft) - Steer wheels (59 lbf.ft) - Central bolt for the drive wheels | | |
| Slew ring bolt torque | 13,5 daN.m | (100 lbf.ft) | 13,5 daN.m | (100 lbf.ft) | | |
| Maximum ground pressure on hard ground | 15 daN/cm² | 3,07 lbf/sq.ft | 15 daN/cm ² | 3,07 lbf/sq.ft | | |
| Micro drive speed | 0,6 km/h | (0,37 mph) | 0,6 km/h | (0,37 mph) | | |
| High drive speed | 4,5 km/h | (2.79 mph) | 4,5 km/h | (2.79 mph) | | |
| Hand vibration | <2,5 m/s ² | (98 in/s²) | <2,5 m/s ² | (98 in/s²) | | |
| Feet vibration | <0,5 m/s ² | (19 in/s²) | <0,5 m/s ² | (19 in/s²) | | |
| Manual lateral force at platform | CE - AS : 400 | | ANSI - CSA : 6 | , | | |



Manual lateral force at platform

For STAR 10 - Technical characteristics

| For STAR 10 - Technical characteristic | cs | | | |
|--|---|---|--|--|
| Machine STAR 10 | | | STAR | 26J |
| Characteristics | Metric | Imperial | Metric | Imperial |
| Length of machine in stowed position | 2,70 m | (8 ft10 in) | 2,70 m | (8 ft10 in) |
| Overall width of machine | 1,00 m | (3 ft3 in) | 1,00 m | (3 ft3 in) |
| Machine stowed height | 1,99 m | (6 ft6 in) | 1,99 m | (6 ft6 in) |
| Maximum ground clearance | 0,10 m | (0 ft4 in) | 0,10 m | (0 ft4 in) |
| Maximum work height | 9,95 m | (32 ft8 in) | 9,95 m | (32 ft8 in) |
| Maximum platform height | 7,95 m | (26 ft1 in) | 7,95 m | (26 ft1 in) |
| Maximum work radius | 3,00 m | (9 ft10 in) | 3,00 m | (9 ft10 in) |
| Turntable rotation | | 34 | 5 ° | |
| Pendulum jib working range | | 13 | 0 ° | |
| Platform stowed length | 0,78 m | (2 ft7 in) | 0,78 m | (2 ft7 in) |
| Platform width | 0,93 m | (3 ft1 in) | 0,93 m | (3 ft1 in) |
| Outer turning radius | 1,88 m | (6 ft2 in) | 1,88 m | (6 ft2 in) |
| Inner turning radius | 0,45 m | (1 ft6 in) | 0,45 m | (1 ft6 in) |
| Distance between centres of the wheels | 1,20 m | (3 ft11 in) | 1,20 m | (3 ft11 in) |
| Dumping CE - AS | 3 ° | | | |
| Rated slope ANSI - CSA | | | 0° | |
| Slope warning ANSI - CSA | 5 | | | |
| | Indoor use : 0 km/ | Indoor use: (0 | Indoor use : 0 km/ | Indoor use: (0 |
| Maximum wind speed allowed | h Outdoor use:45 km/h | mph) Outdoor use : (28 mph) | h Outdoor use: 45 km/h | mph) Outdoor use: (28 mph) |
| Total weight | 2735 kg | (6031 lb) | 3100 kg | (6836 lb) |
| Maximum platform load | 200 kg | (440 lb) | 227 kg | (500 lb) |
| Maximum number of people on the platform | | | or use loor use | |
| Engine type | | Ele | ctric | |
| Engine power | | | (1,6 Hp) | |
| Acoustic power | | <70 c | dB (A) | |
| Hydraulic oil tank capacity | 7 I | (2 gal US) | 7 I | (2 gal US) |
| Operating battery | 24 V-24 | | 24 V-24 | ŀ0 Ah |
| Maximum climbable slope | | | % | |
| Tyre type and/ or size | | Solid | tyres | |
| Wheel nut torque | 11.5 daN.m-Steer wheels 8 daN.m-Central bolt for the drive wheels | (84.87 lbf.ft) - Steer wheels (59 lbf.ft) - Central bolt for the drive wheels | 11.5 daN.m-Steer wheels- 8 daN.m-Central bolt for the drive wheels | 84.87 daN.m(1549 lbf.ft) -Steer wheels (59 lbf.ft) - Central bolt for the drive wheels |
| Slew ring bolt torque | 13,5 daN.m | (100 lbf.ft) | 13,5 daN.m | (100 lbf.ft) |
| Maximum ground pressure on hard ground | 18,2 daN/cm ² | 3,73 lbf/sq.ft | 18,2 daN/cm ² | 3,73 lbf/sq.ft |
| Micro drive speed | 0,6 km/h | (0,37 mph) | 0,6 km/h | (0,37 mph) |
| High drive speed | 4,5 km/h | (2.79 mph) | 4,5 km/h | (2.79 mph) |
| Hand vibration | <2,5 m/s ² | (98 in/s²) | <2,5 m/s ² | (98 in/s²) |
| Feet vibration | <0,5 m/s ² | (19 in/s²) | <0,5 m/s ² | (19 in/s²) |
| Manual lateral fares at platf | OF AC 400 | ON OO Ibf | ANCL CCA : C | 00 NI /4E0 II-4 |

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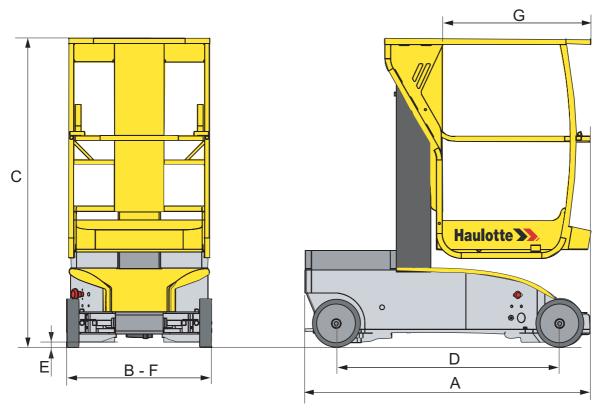
CE - AS: 400 N - 90 lbf

ANSI - CSA: 666 N / 150 lbf



2 - Overall dimensions

General diagram STAR 6

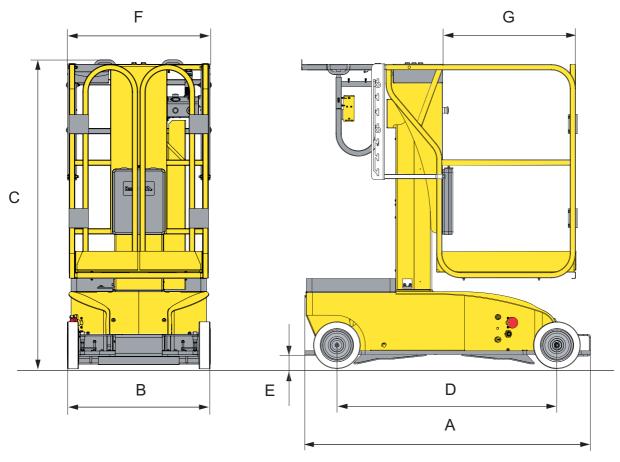


Overall dimension specifications

| Marking | STA | \R 6 |
|---------|-------------|-----------------------|
| | Mètre | Feet inch |
| A | 1,50 | 4 ft 11 in |
| В | 0,76 | 2 ft 5 in |
| С | 1,65 | 5 ft 5 in |
| D | 1,17 | 3 ft 10 in |
| E | 0,07 | 0 ft 2 in |
| FxG | 0,76 x 0,80 | 2 ft 5 in x 2 ft 7 in |



General diagram STAR 6 P

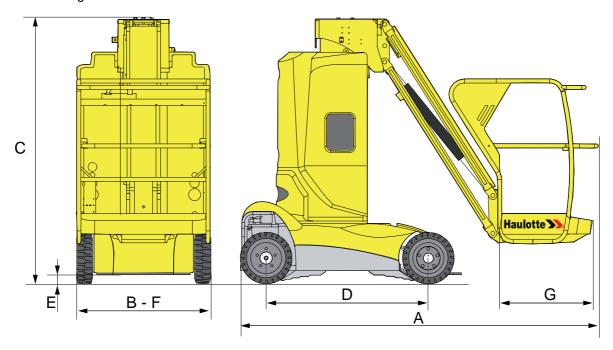


Overall dimension specifications

| Marking | STAF | R 6 P |
|---------|-------------|-----------------------|
| | Mètre | Feet inch |
| A | 1,54 | 5 ft 1 in |
| В | 0,77 | 2 ft 6 in |
| С | 1,65 | 5 ft 5 in |
| D | 1,17 | 3 ft 10 in |
| E | 0,075 | 0 ft 3 in |
| FxG | 0,74 x 0,70 | 2 ft 5 in x 2 ft 4 in |



General diagram STAR 8 -STAR 10 -



Overall dimension specifications

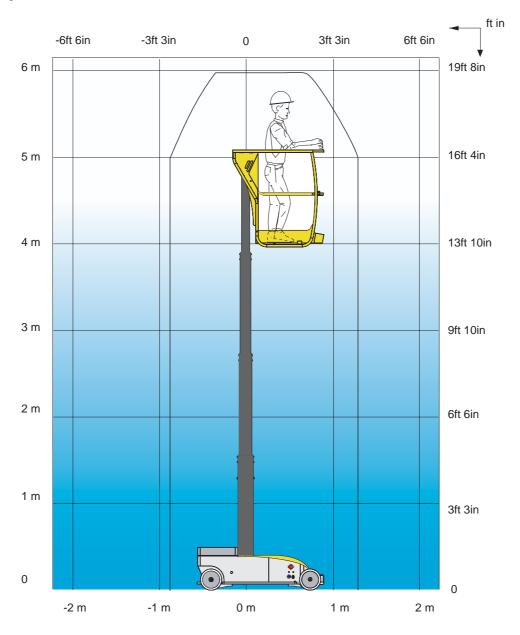
| Marking | STA | STAR 8 | | STAR 10 | |
|---------|-------------|-----------------------|-------------|-----------------------|--|
| | Mètre | Feet inch | Mètre | Feet inch | |
| Α | 2,70 | 8 ft 10 in | 2,70 | 8 ft 10 in | |
| В | 1,00 | 3 ft 3 in | 1,00 | 3 ft 3 in | |
| С | 1,99 | 6 ft 6 in | 1,99 | 6 ft 6 in | |
| D | 1,20 | 3 ft 11 in | 1,20 | 3 ft 11 in | |
| E | 0,10 | 0 ft 3 in | 0,10 | 0 ft 3 in | |
| FxG | 1,00 x 0,78 | 3 ft 3 in x 2 ft 7 in | 1,00 x 0,78 | 3 ft 3 in x 2 ft 7 in | |



3 - Working area

3.1 - MACHINE STAR 6

Working area



F

G

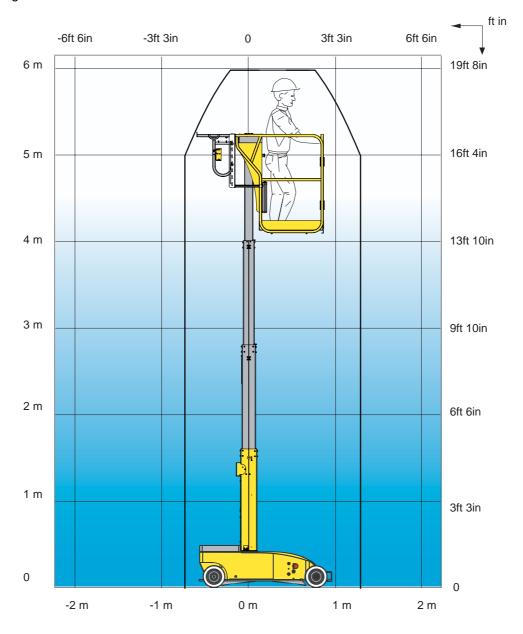
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3.2 - MACHINE STAR 6 P

Working area

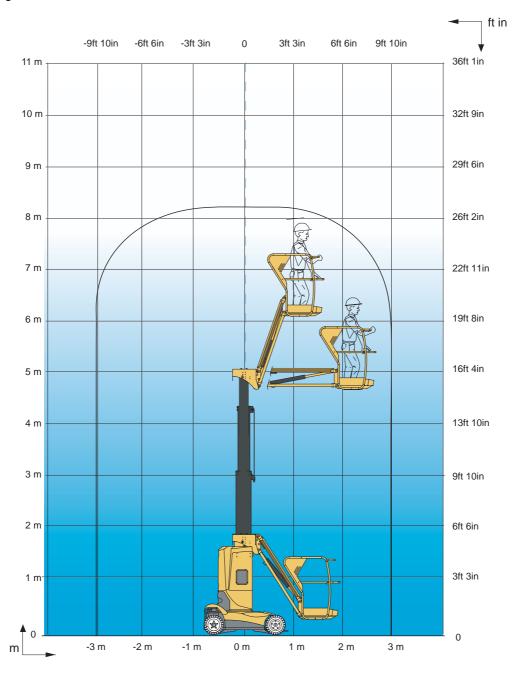


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3.3 - MACHINE STAR 8

Working area



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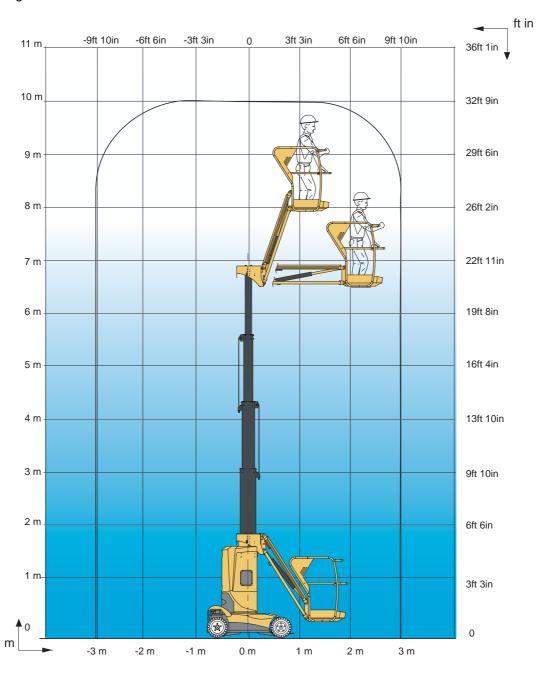
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3.4 - MACHINE STAR 10

Working area



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4 - AS - CE standard specifics

The following tests must be performed after:

- A major technical intervention.
- An accident which results in major component failure on the machine.



- The following tests must be performed by a qualified person in secure conditions.
- The test results must be fully recorded.



To avoid the machine tipping over, it must be secured during the test (by a chain or anchorage point).

4.1 - OVERLOAD TEST

The overload test is performed with 125 % of the nominal load. See paragraph 1.12.3 of the AS1418.10 standard for test details.

Load table

| Machine | Test load | | | |
|----------|------------|-----------------|--|--|
| | Pound (lb) | Kilogramme (kg) | | |
| STAR 6 | 496 | 225 | | |
| STAR 6 P | 496 | 225 | | |
| STAR 8 | 551 | 250 | | |
| STAR 10 | 551 | 250 | | |
| STAR 26J | 626 | 284 | | |



The machine must not show any signs of permanent distortion after the test.

Tests to be performed by a qualified competent person under optimal conditions and results must be fully recorded.

4.2 - FUNCTIONAL TEST

Functional tests shall confirm the following: :

- The machine performs all movements without jerking, while carrying the nominal load.
- · All security systems are operating correctly.
- · Maximum authorized operating speeds are not exceeded.



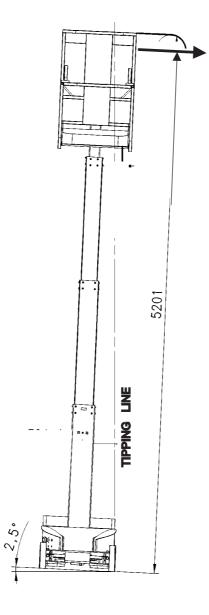
4.3 - STABILITY TEST

The stability test proves that the machine is stable in its most unfavourable position. The moment when the machine tips is calculated by combining loads in the machine's most unfavorable position of stability (load W applied over distance L).

Stability table for STAR 6

| | T (°) | W | | L | | Tipping moment |
|------------|-------|------------|--------------------|-------------------|-----------|------------------------------|
| | | Pound (lb) | Kilogramme (kg) | Feet inch (ft in) | Mètre (m) | Déca Newton Mètre (DaN.m) |
| Horizontal | 2,5 | 99 | 45 | 16-9 | 5,1 | 231 |

Stability for STAR 6

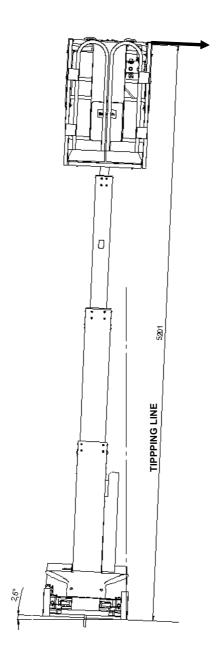




Stability table for STAR 6 P

| | T (°) | W | | L | | Tipping moment |
|------------|-------|------------|--------------------|----------------------|-----------|------------------------------|
| | | Pound (lb) | Kilogramme (kg) | Feet inch (ft in) | Mètre (m) | Déca Newton Mètre (DaN.m) |
| Horizontal | 2,5 | 99 | 45 | 16-9 | 5,1 | 228 |

Stability for STAR 6 P



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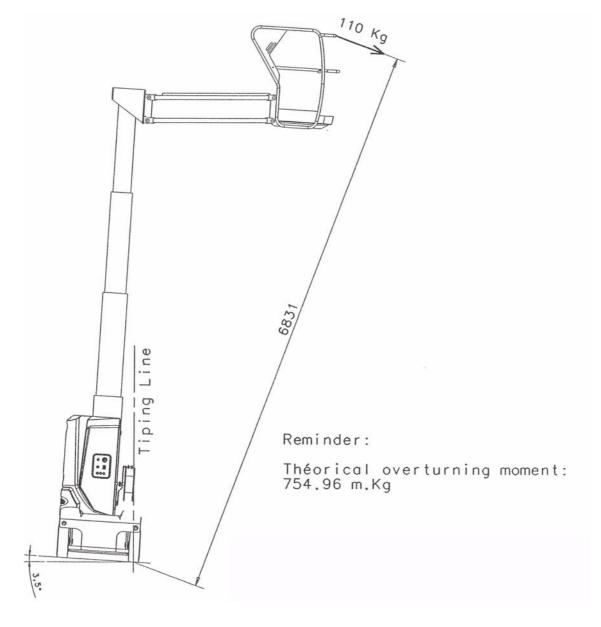
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Stability table for STAR 8

| | T (°) | W | | L | | Tipping moment |
|------------|-------|------------|--------------------|----------------------|-----------|------------------------------|
| | | Pound (lb) | Kilogramme (kg) | Feet inch (ft in) | Mètre (m) | Déca Newton Mètre (DaN.m) |
| Horizontal | 3,5 | 265 | 120 | 21-0 | 6,4 | 770 |

Stability for STAR 8

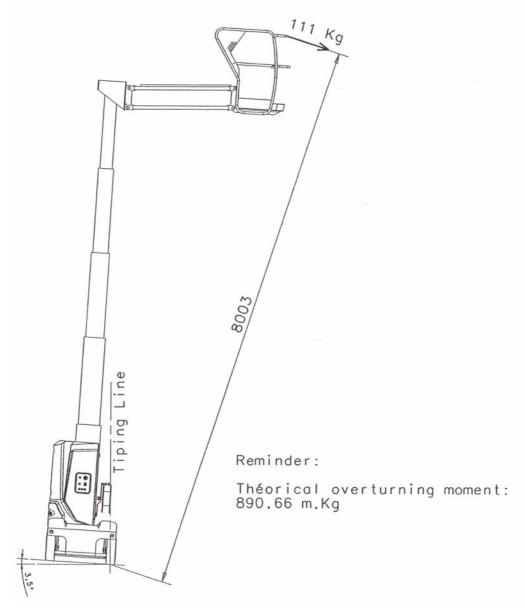




Stability table for STAR 10

| | T (°) | W | | L | | Tipping moment |
|------------|-------|------------|--------------------|----------------------|-----------|------------------------------|
| | | Pound (lb) | Kilogramme (kg) | Feet inch (ft in) | Mètre (m) | Déca Newton Mètre (DaN.m) |
| Horizontal | 3,5 | 245 | 111 | 26-3 | 8 | 890 |

Stability for STAR 10





See paragraph 1.12.2 of the AS1418.10 standard for test details.

The machine must return to a stable state without tipping over.

2420343790 e10.11 AUS 97

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5 - Declaration of conformity



CE Declarations of Conformity only apply to machines that are certified for the European market.

Declaration of conformity - Electric platforms

DECLARATION DE CONFORMITE CE

(certificate of conformity with CE-directives)

Nom et adresse du constructeur ou son représentant autorisé dans la communauté : Name and address of manufacturer or their authorised agents within the European Community

| HAULOTTE Group Siège Social La Péronnière BP 09 | HAULOTTE GROUP Usine de | | | | |
|---|--|--|--|--|--|
| 42152 L'HORME Cedex FRANCE | | | | | |
| Déclare que la machine décrite ci-dessous : (Declares that the technical installation described below) | | | | | |
| | bbile élévatrice de personnes work Platform) | | | | |
| Machine au nom commercial (Machine with the commercial in Conforme au type (in compliance with the type) Numéro de série (Serial number): | name), | | | | |
| Se conforme aux dispositions de la directive machin (Conforms to the provisions set out in the EC Machinery | | | | | |
| N° de certificat (Certificate no): | | | | | |
| Cette machine est identique au modèle ayant fait l'o (This machinery is identical to the model that was tested | objet d'un examen CE de type par l'organisme notifié : in an EC type-examination by the appointed body) | | | | |
| Organisme certifié (Authorised certification body) : | | | | | |
| n° | | | | | |
| Se conforme également aux dispositions de la directive électromagnétique. (is in accordance with the provisions contained in EEC D | ctive 2004/108/CE concernant la compatibilité irective no. 2004/108/CE on electromagnetic compatibility) | | | | |
| Se conforme aux principales exigences des normes (also fulfils the principal requirements of the following har | | | | | |
| Fait à L'Horme le : | | | | | |
| Directeur Division /Managing Director, Division | sion | | | | |
| Signature | | | | | |
| Cotto déalaration est conforme aux avigances de l'anneve II e de la | directive 2006/42/05. Toute modification de la machine décrite el | | | | |

Cette déclaration est conforme aux exigences de l'annexe II-a de la directive 2006/42/CE. Toute modification de la machine décrite ci dessus rendrait cette déclaration caduque.

This declaration conforms with the requirements of annex II-A of the directive 2006/42/EEC. Any modification to the above described machine violates the validity of this declaration.

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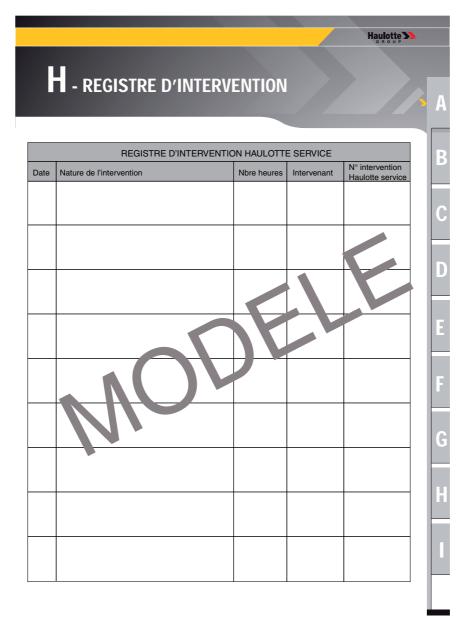
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- Intervention register

1 - Intervention register

In order to protect your HAULOTTE® guarantee, each maintenance or repair operation must be entered in the INTERVENTION REGISTER, which can be found at the end of the maintenance book delivered with your machine.

Intervention register





- Intervention register