H12/15/18 SX/SXL - HS 3388/4388/5388 RT/RTXL - COMPACT 10/12 DX - COMPACT 2668/3368 RT

Operator's manual

ENGINE-POWERED SCISSOR LIFTS

H12SX (HS 3388RT) - H12SXL (HS 3388RTXL) -
H15SX (HS 4388RT) - H15SXL (HS 4388RTXL) -
H18SX (HS 5388RT) - H18SXL (HS 5388RTXL) -
COMPACT 10DX (COMPACT 2668RT)
COMPACT 12DX (COMPACT 3368RT)

4000014860 E10.16 USA / GB

CONTENTS

A

SAFETY PRECAUTIONS

B

INTERVENOR'S RESPONSIBILITY

C

MACHINE LAYOUT

D

OPERATING PRINCIPLE

CONTENTS

E

DRIVING

F

SPECIAL PROCEDURE

G

TECHNICAL SPECIFICATIONS

H

INTERVENTION REGISTER

You have just purchased a HAULOTTE® product

and we would like to thank you for your business.

1 - 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 are followed.

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.

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 specifications. Only the specifications in this manual 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 the optimum 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..
- HAULOTTE® must be informed in the event of an incident that either involves one of these products or has caused bodily injury or significant deterioration of property (personal property or the product); contact HAULOTTE Services® immediately (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 characteristics/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).

Otherwise, it is essential to follow the manufacturer's recommendations as stated 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 decal compliance.**

4 - HAULOTTE Services® contact details

HAULOTTE Services® contact details

	HAULOTTE FRANCE PARC DES LUMIERES 601 RUE NICEPHORE NIEPCE 69800 SAINT-PRIEST **TECHNICAL Department:** **+33 (0)820 200 089** **SPARE PARTS : +33 (0)820 205 344** FAX : +33 (0)4 72 88 01 43 E-mail : haulottefrance@haulotte.com www.haulotte.fr		HAULOTTE ITALIA VIA LOMBARDIA 15 20098 SAN GIULIANO MILANESE (MI) **TEL: +39 02 98 97 01** FAX: +39 02 9897 01 25 E-mail : haulotteitalia@haulotte.com www.haulotte.it		HAULOTTE INDIA Unit No. 1205, 12th foor,Bhumiraj Costarica, Plot No. 1&2, Sector 18, Palm Beach Road, Sanpada, Navi Mumbai- 400 705 Maharashtra, INDIA Tel. : +91 22 66739531 to 35 E-mail : sray@haulotte.com www.haulotte.in
	HAULOTTE HUBARBEITSBÜHNEN GmbH Ehrenkirchener Strasse 2 D-79427 ESCHBACH **TEL : +49 (0) 7634 50 67 - 0** FAX : +49 (0) 7634 50 67 - 119 E.mail : haulotte@de.haulotte.com www.haulotte.de		HAULOTTE VOSTOK 35, SVOBODY STREET Bldg. 19 125362 MOSCOW RUSSIA **TEL/FAX : +7 495 221 53 02 / 03** E.mail : info@haulottevostok.ru www.haulotte-international.com		HAULOTTE DO BRASIL AV. Tucunaré, 790 CEP: 06460-020 – TAMBORE BARUERI – SAO PAULO – BRASIL **TEL : +55 11 4196 4300** FAX : +55 11 4196 4316 E.mail : haulotte@haulotte.com.br www.haulotte.com.br
	HAULOTTE IBERICA C/ARGENTINA N° 13 - P.I. LA GARENA 28806 ALCALA DE HENARES MADRID **TEL : +34 902 886 455** TEL SAT : +34 902 886 444 FAX : +34 911 341 844 E.mail : iberica@haulotte.com www.haulotte.es		HAULOTTE POLSKA Sp. Z.o.o. UL. GRANICZNA 22 05-090 RASZYN - JANKI **TEL : +48 22 720 08 80** FAX : +48 22 720 35 06 E-mail : haulottepolska@haulotte.com www.haulotte.pl		HAULOTTE MÉXICO, Sa de Cv Calle 9 Este, Lote 18, Civac, Jiutepec, Morelos CP 62500 Cuernavaca México **TEL : +52 77 7321 7923** FAX : +52 77 7516 8234 E-mail : haulotte.mexico@haulotte.com www.haulotte-international.com
	HAULOTTE PORTUGAL ESTRADA NACIONAL NUM. 10 KM. 140 - LETRA K 2695 - 066 BOBADELA LRS **TEL : + 351 21 995 98 10** FAX : + 351 21 995 98 19 E.mail : haulotteportugal@haulotte.com www.haulotte.es		HAULOTTE SINGAPORE Pte Ltd. No.26 CHANGI NORTH WAY, SINGAPORE 498812 **Parts and service Hotline:** **+65 6546 6150** FAX : +65 6536 3969 E-mail: haulotteasia@haulotte.com www.haulotte.sg		HAULOTTE MIDDLE EAST FZE PO BOX 293881 Dubaï Airport Free Zone DUBAÏ United Arab Emirates **TEL : +971 (0)4 299 77 35** FAX : +971 (0) 4 299 60 28 E-mail : haulottemiddle- east@haulotte.com www.haulotte-international.com
	HAULOTTE SCANDINAVIA AB Taljegårdsgatan 12 431 53 Mölndal SWEDEN **TEL : +46 31 744 32 90** **FAX : +46 31 744 32 99** E-mail : info@se.haulotte.com spares@se.haulotte.com www.haulotte.se		HAULOTTE TRADING (SHANGHAI) Co. Ltd. #7 WORKSHOP No 191 HUA JIN ROAD MIN HANG DISTRICT SHANGHAI 201108 CHINA **TEL : +86 21 6442 6610** FAX : +86 21 6442 6619 E-mail : haulotteshanghai@haulotte.com www.haulotte.cn		HAULOTTE ARGENTINA Ruta Panamericana Km. 34,300 (Ramal A Escobar) 1615 Gran Bourg (Provincia de Buenos Aires) Argentina **TEL.: +54 33 27 445991** FAX. +54 33 27 452191 E-mail : haulotteargentina@haulotte.com www.haulotte-international.com
	HAULOTTE UK Ltd STAFFORD PARK 6 TELFORD - SHROPSHIRE TF3 3AT **TEL : +44 (0)1952 292753** FAX : + 44 (0)1952 292758 E.mail : salesuk@haulotte.com www.haulotte.co.uk		HAULOTTE GROUP / BILJAX 125 TAYLOR PARKWAY ARCHBOLD, OH 43502 – USA **TEL : +1 419 445 8915** FAX :+1 419 445 0367 Toll free : +1 800 537 0540 E.mail : sales@us.haulotte.com www.haulotte-usa.com		HAULOTTE GROUP 1301 E PATRICK STREET FREDERICK, MD 21701 – USA **TEL : +1 301 663 0852** FAX :+1 301 663 0572 Toll free : +1 800 537 0540 E.mail : sales@us.haulotte.com www.haulotte-usa.com
	HAULOTTE NETHERLANDS BV Koopvaardijweg 26 4906 CV OOSTERHOUT - Nederland **TEL : +31 (0) 162 670 707** FAX : +31 (0) 162 670 710 E.mail info@haulotte.nl		HAULOTTE AUSTRALIA PTY Ltd 46 GREENS ROAD DANDENONG – VIC – 3175 **TEL : 1 300 207 683** FAX : +61 (0)3 9792 1011 E.mail : sales@haulotte.com.au		HAULOTTE CHILE El Arroyo 840 Lampa (9380000) Santiago (RM) **TEL : + 562 2 3727630** E.mail : haulotte-chile@haulotte.com www.haulotte-chile.com

Notes

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	Description
	Danger : Risk of injury or death
	Caution : Risk of material damage
	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 - DECAL COLORS

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

The decals must be kept in good condition. Additional decals can be ordered from HAULOTTE Services®.

Familiarize yourself with the decals and their respective color codes.

Decal color code

Decals	Color	Description
	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

Decal color code-For Russia and the Ukraine only

Decals	Color	Description
	Red	Prohibitions - Danger
	Yellow	Warning : Risk of material damage and/or minor injury
	Blue	Precaution
	Blue	Information
	Other	Additional technical 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 allowable value in the technical characteristics / specifications (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.

***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 (extreme : humidity, temperatures, 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 allowable value in the technical characteristics / specifications (Section G 1-Main characteristics).
- If the ground slope is greater than the permissible limit. Check the maximum allowable value in the technical characteristics / specifications (Section G 1-Main characteristics).
- In a non-ventilated area as the exhaust gases are toxic.
- At night unless the machine is equipped with the optional light.
- If the number of persons exceeds the permissible limit. Check the maximum allowable value in the technical characteristics / specifications (Section G 1-Main characteristics).
- If the side force is greater than the permissible force. Check the maximum allowable value in the technical characteristics / specifications (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/tyres, 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. A second person competent in the operation of emergency retrieval, should be present on the ground in case of an emergency.
- 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 when stationary for an extended period of time.

- 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.
- Do not use the machine if the guard rails are not correctly installed and locked.
- 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).

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.

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

A - Safety precautions

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 safe approach distances

Electric voltage	Minimum safety distance	
	Mètre	Feet
0 - 300 V	Avoid 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.*

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 allowable value in the technical characteristics / specifications (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) to holes, bumps, slopes, 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 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 allowable value in the technical characteristics / specifications(Section G 1-Main characteristics).

• Do not travel down slopes in 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 COMPACT 10DX (COMPACT 2668RT) - COMPACT 12DX (COMPACT 3368RT) :

• Make sure manual brake system is closed (tap is completely screwed in).

• Do not operate machine if brakes are released.

• Section F 2.1Manual brake release

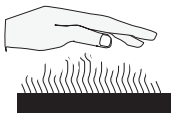
A- Safety precautions

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.*

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 twigs in constant motion. Flags move slightly.	3,4 - 5,4	12 - 19	7,46 - 11,8
4	Nice breeze	Raised dust and loose papers. Small branches are moved.	5,5 - 7,9	20 - 28	12,43 - 17,4
5	Nice breeze	Small trees in leaf to sway. Crested wavelets form on inland waterways.	8,0 - 10,7	29 - 38	18,02 - 23,6
6	Cool wind	Large branches in motion. Power lines and chimneys 'sing'. Umbrellas used with difficulty.	10,8 - 13,8	39 - 49	24,23 - 30,45
7	Strong cool wind	Whole trees in motion. Inconvenience felt when walking against wind.	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 neutralized 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 in proximity of spark, open flame, lit cigarettes.**

- **Do not fill up the fuel tank, when the engine is running and/or near a flame.**

3.2.6 - Risk of crushing and collision

When in the platform, respect the following instructions :

- During operation, keep all the parts of the body inside the platform.
- Keep hands and limbs well away from the scissor arms.
- 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.
- Ensure there are no obstacles (structure) in the work area.
- 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 moving the machine, ensure that the machine operating areas is free of persons and obstacles.

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

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

Notes

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 decals 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 of the country where the machine is operating, the user must be authorized by the doctor of Labour Ministry to operate the machine.*

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 decals affixed on the machine.

The operator must inform the owner (or hirer) if the manual or any decals 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 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.

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

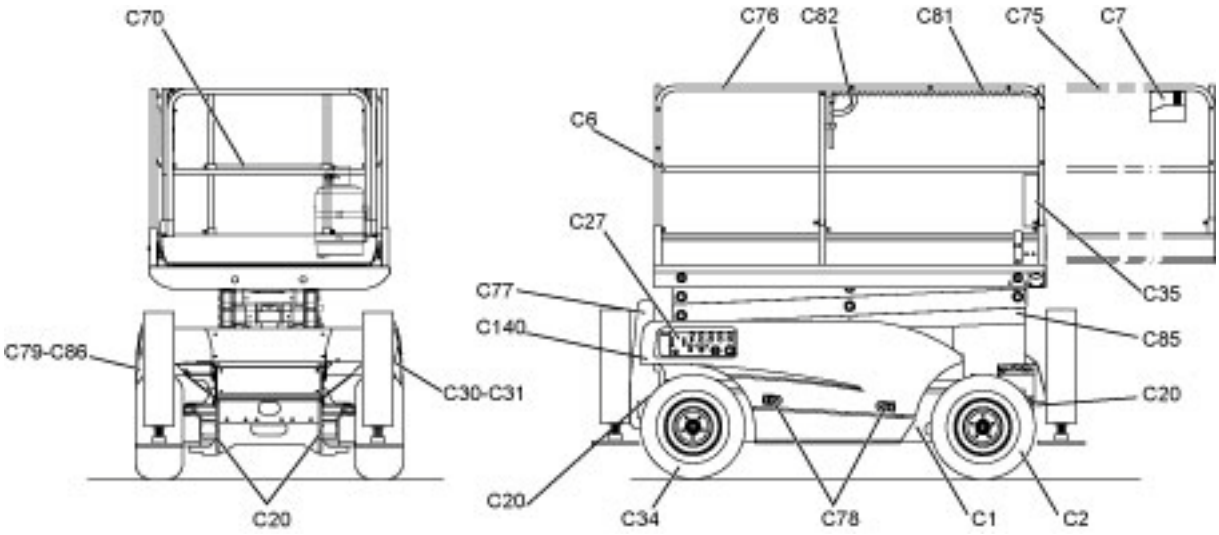
1 - Identification

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

COMPACT 10DX (COMPACT 2668RT) - COMPACT 12DX (COMPACT 3368RT) - Major Component Location Diagram



COMPACT 10DX (COMPACT 2668RT) - COMPACT 12DX (COMPACT 3368RT) - Description of the components

Marking	Description
C1	Chassis
C2	Front driven steering axle
C6	Platform
C7	Platform control box
C20	Anchorage point
C27	Ground control box
C30	Hydraulic oil tank
C31	Fuel tank
C31	Drive wheels
C35	Document holder
C70	Platform access bar
C75	Extension
C76	Guardrail
C77	Platform access ladder
C78	Hood locking catch
C79	Engine bay
C81	Sliding guardrail
C82	Deck extension handle
C83	Stabiliser
C85	Scissors
C86	Internal combustion engine

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.

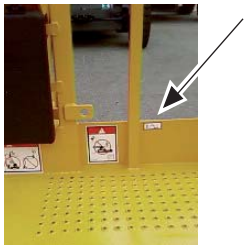
Do not restrain the sliding midrail to the guard rail.

3.2 - 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 decal.

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





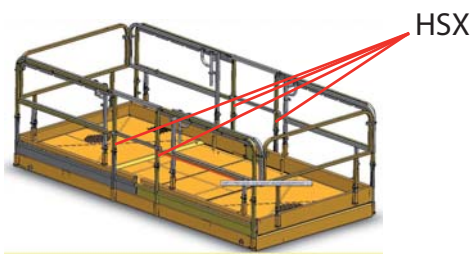
3.3 - MAINTENANCE SUPPORT

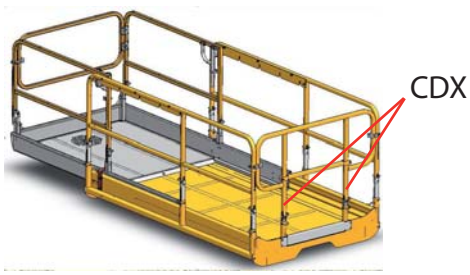
The illustrations in this paragraph do not necessarily correspond to the range of products designated in the manual.

The maintenance support (on both sides of the machine) must be put in place before any maintenance operations.

3.4 - FOLDING GUARDRAILS - OPTION

Before using the machine, make sure that all the guardrails are fixed in the correct positions.





4 - Decals

4.1 - CLASSIFICATION PLAN

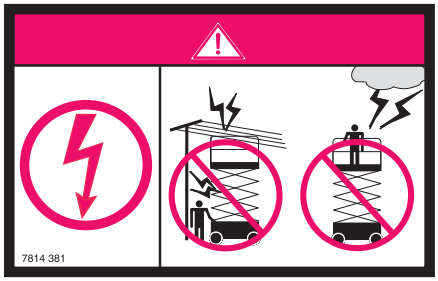
4.1.1 - Red decals

The red decals indicate a potentially fatal danger.

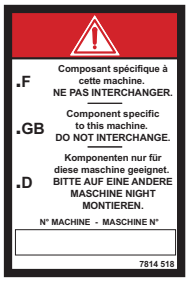
Common decals

R3

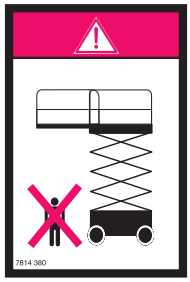
R5



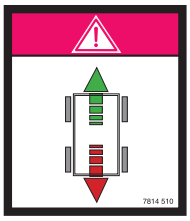
R6



R7

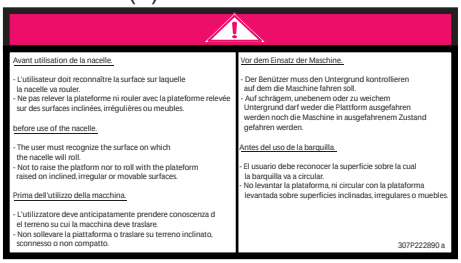


R2



R13

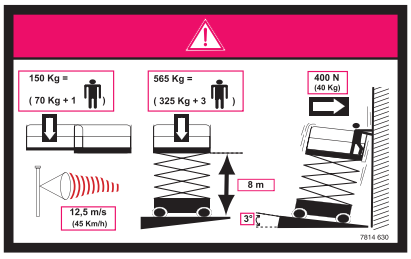
R26 - HSX(L)



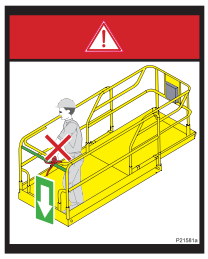
R4

Specific decals COMPACT 10DX (COMPACT 2668RT)

R1



R8

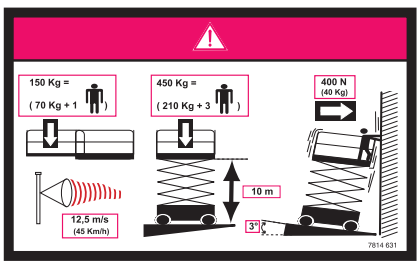


R9

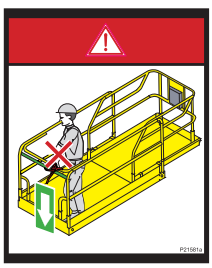
R10

Specific decals COMPACT 12DX (COMPACT 3368RT)

R1

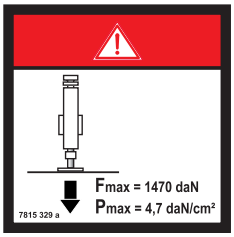


R8



R9

R10



C - Machine layout

Common decals - AS

O1

RECOMMENDATIONS FOR USE

BEFORE USING THIS MACHINE
THE OPERATOR MUST

1 - Read and understand the information in the Operators Manual and the information marked on the machine, and become familiar with the controls.
2 - Receive training and practical experience in operating the machine, under the employer's supervision.
3 - Ensure that maintenance is performed in accordance with the manufacturer's instructions contained in the Operators Manual.
4 - Refrain from using the machine in the event of any malfunction.
5 - Avoid contact with electrical components when using high pressure cleaning equipment around the machine.
6 - Not remove any machine parts which might affect the stability.
7 - Not modify the machine without the manufacturer's written approval.
8 - Do not use the machine as a welding earth.
9 - Not carry out repairs on the machine involving welding without first disconnecting the battery.

DAILY INSPECTION

1 - Check the level of diesel fuel (for diesel engine platforms).
2 - Check that there are no apparent defects (hydraulic leaks, loose bolts, loose electric connections)
3 - Check that the tilt indicator operates correctly by manually tilting the switch with the power on.

INSTRUCTIONS BEFORE USE

1 - Remove the rotation locking pin (if fitted).
2 - IMPORTANT : when connecting AC power supply to the work platform, the wall power supply must be protected by 30 mA circuit breaker

START-UP

1 - Turn the battery isolator switch (if fitted) to the " on " position
2 - Unlock the emergency stop button then press the engine starter button.
3 - If the engine does not start, wait 10 seconds then repeat the operation.

THE MACHINE
MUST NOT BE USED
WHILE CHARGING THE BATTERIES

7814 456

Common decals - ANSI - CSA

O1

WARNING

RECOMMENDATIONS FOR USE

THIS MACHINE MUST NOT BE USED UNTIL IT IS INSPECTED AND OPERATING PROPERLY.

- **DO NOT operate this machine unless you have been properly trained as described in the HAULOTTE Operation and Safety Manual by a qualified person and authorized to operate this machine. Your training includes reading and understanding the safety, operating and maintenance instructions in manufacturer's manuals, knowing your employers work rules and applicable governmental regulations.**
- **Follow the instructions in the Operating Manual and sections 6, 7 and 8 of ANSI A92.5-2006 for daily, frequent and annual inspections. These may be obtained from your authorized HAULOTTE, Inc. equipment dealer or HAULOTTE, Inc.**
- **DO NOT replace items (i.e., batteries, tires, counterweight, etc.) with items of different weight or specification because this will affect the stability of the machine.**
- **DO NOT modify or change this machine without written approval from the manufacturer.**
- **Operate this machine with extreme caution. STOP all operation if a malfunction occurs.**
- **Test foot switch for proper operation.**
- **Test high engine and high drive cut out switches for proper operation.**
- **DO NOT wash the electrical components with a washer pressure.**
- **DO NOT use the machine as a welding earth.**
- **DO NOT weld on the machine without first disconnecting the battery terminals.**

DAILY INSPECTION

- **Check the level of diesel fuel (for diesel engine platform).**
- **Check that there are no apparent defects (hydraulic leaks, loose bolts, loose electric connections).**
- **Check that the tilt indicator operates correctly by sounding the buzzer (when machine is raised).**

INSTRUCTION BEFORE USE

- **Remove the rotation locking pin (if there is a turntable).**
- **IMPORTANT when using the AC power line to the work platform, the power plug must be connected to an electrical installation protected by a circuit breaker.**

START-UP

- **Turn the battery isolater switch to the "ON" position.**
- **Unlock the emergency stop button then press the starter button (for diesel engine platform).**
- **If the machine does not start, wait 10 seconds then repeat the operation.**

The machine must not be used **while charging the batteries (on electrical machine)**
Improper use of this machine could cause death or serious injury.

7814 705 b

C - Machine layout

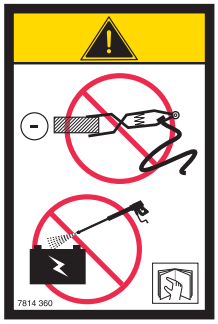
4.1.3 - Yellow decals

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

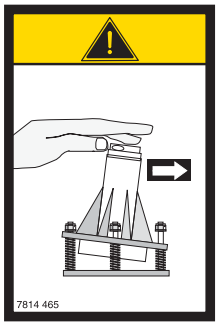
Common decals

J3

J4



J6



J9

J10

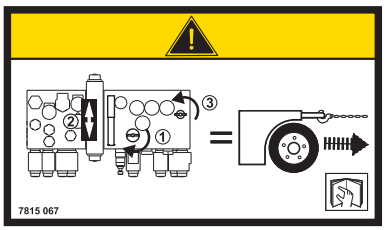
J12

J32

C - Machine layout

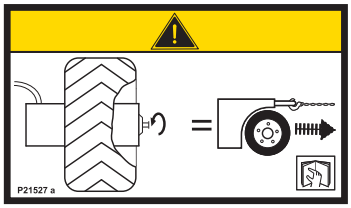
Specific COMPACT 10DX (COMPACT 2668RT) and COMPACT 12DX (COMPACT 3368RT) decals

J5



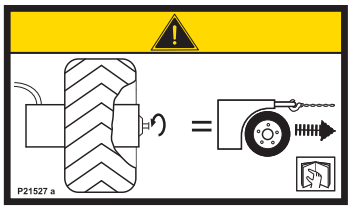
Specific H12SX (HS3388RT) , H15SX (HS4388RT) , H12SXL (H3388RTXL) and H15SXL (HS4388RTXL) decals

J5



Specific H18SX (HS5388RT) and H18SXL (HS5388RTXL) decals

J5



4.1.4 - Other decals

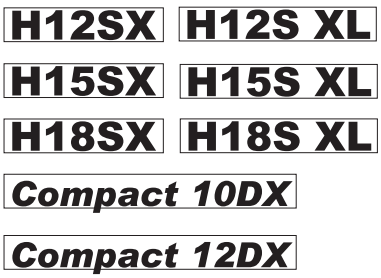
The other decals provide additional technical information.

Common decals

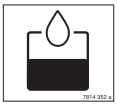
A5

A16

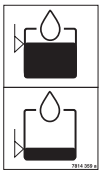
A4



A8



A9



A24

A89

A90

A80

A10

A10

A10

A7

A15

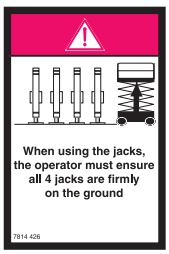
Specific decals AS

R14

R17

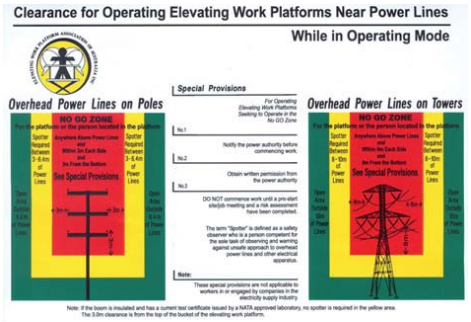
J10

R23

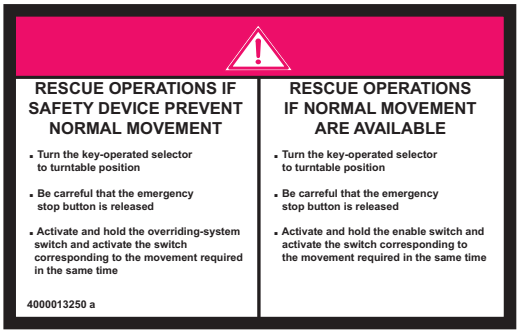


R24

A28



R54

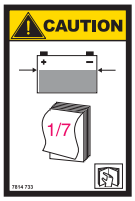


C - Machine layout

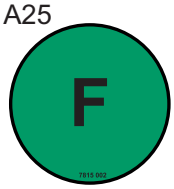
Specific decals ANSI : Diesel version

R21

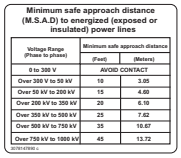
J13



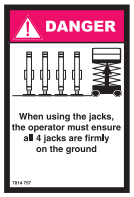
A25



A22

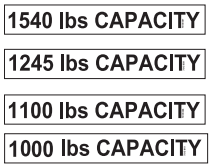


R23



R24

A27

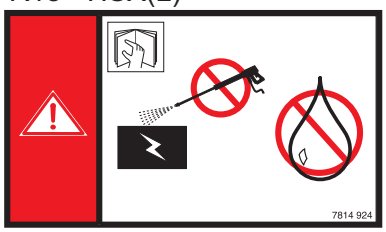


O3

Specific decals, optional

A8

R18 - HSX(L)



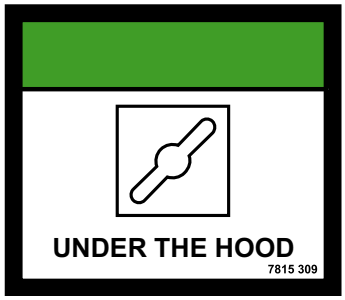
A31 - HSX(L)

4.1.5 - Green decals

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

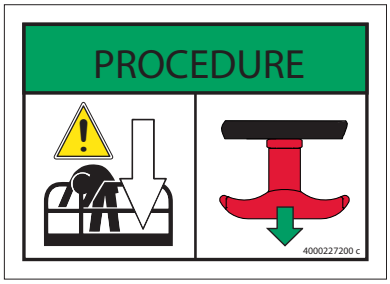
Common decals

V2



V1

J16

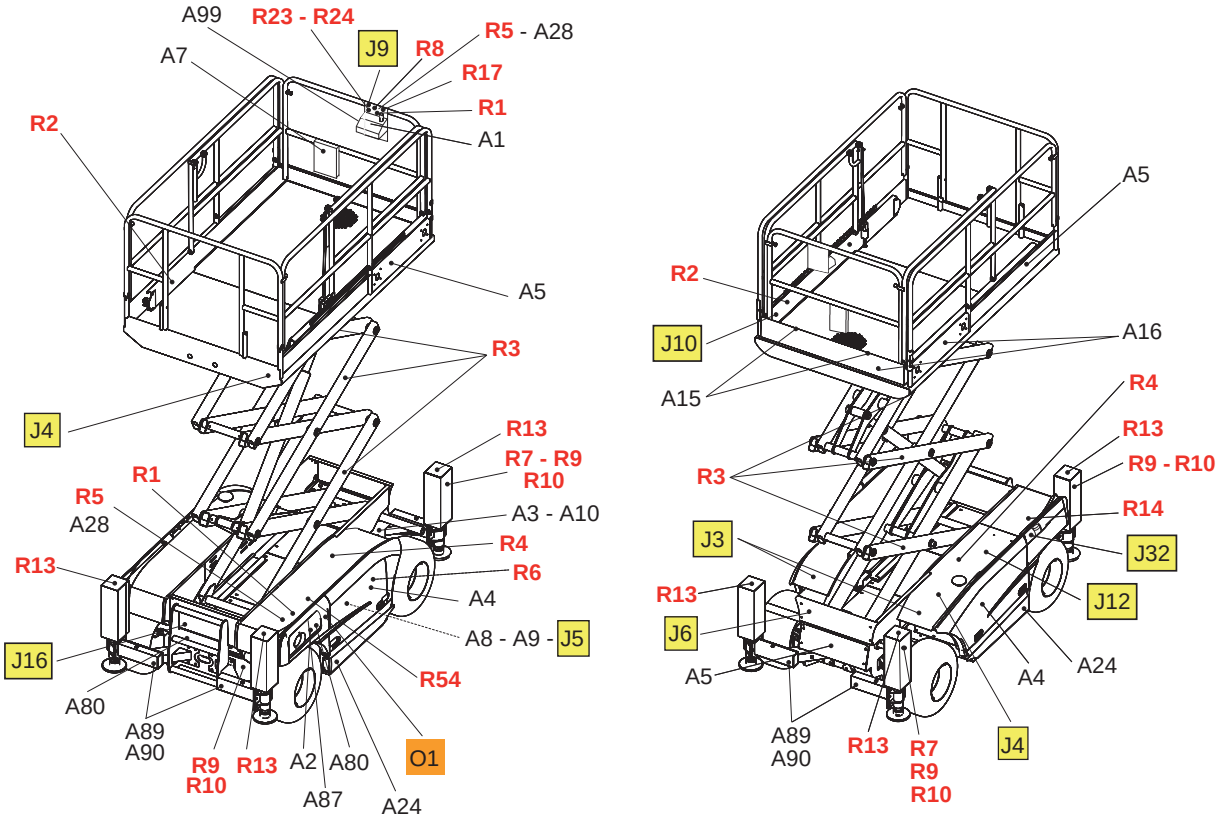


4.1.6 - Blue decals

N.B.-:-*The blue decals indicate information or a precaution to be taken in case of danger.*

4.2 - IDENTIFICATION

Location of the Compact DX decals - CE and AS standards



C - Machine layout

Decal descriptions - Diesel version - ANSI and CSA standards

Marking	Color	Description	Quantity	
1	Red	Height of the floor and load	3	For HS3388RT - HS3388RTXL : In english : 4000244000. In french : 4000244190. In spanish : 4000244200. For HS4388RT - HS4388RTXL : In english : 4000244040. In french : 4000244210. In spanish : 4000244220. For HS5388RT - HS5388RTXL : In english : 4000244080. In french : 4000244230. In spanish : 4000244240.
2	Blue	Maximum Pressure per Tire - Floor Loading	4	For H12SX (HS3388RT) : 4000243720 For H12SXL (HS3388RTXL) : 4000243730 For H15SX (HS4388RT) : 4000243770 For H15SXL (HS4388RTXL) : 4000243790 For H18SX (HS5388RT) : 4000243810 For H18SXL (HS5388RTXL) : 4000243830
3	Other	Commercial name - Bright machine	2	For H12SX (HS3388RT) : 3078147630 For H12SXL (HS3388RTXL) : 307P219260 For H15SX (HS4388RT) : 3078147620 For H15SXL (HS4388RTXL) : 307P219270 For H18SX (HS5388RT) : 3078147610 For H18SXL (HS5388RTXL) : 307P219280
3	Other	Commercial name - Dark machine	2	For H12SX (HS3388RT) : 4000415860 For H12SXL (HS3388RTXL) : 4000415870 For H15SX (HS4388RT) : 4000415880 For H15SXL (HS4388RTXL) : 4000415890 For H18SX (HS5388RT) : 4000415900 For H18SXL (HS5388RTXL) : 4000415910
5	Other	Decal HAULOTTE® - Bright machine	2	307P217230
5	Other	Decal HAULOTTE® - Dark machine	2	307P224930
5	Other	Decal HAULOTTE® - Red machine	2	307P224920
6	Other	Identification plate	1	307P218170
11	Other	Lanyard attachment points	4	307P216290
12	Other	Material risk - Yellow and black adhesive tape 200 x 50 mm	4	4000424630
12	Other	Material risk - Yellow and black adhesive tape 110 x 135 mm	HS3388RT - HS4388RT - HS5388RT : 4 HS3388RTXL - HS4388RTXL - HS5388RTXL : 8	4000421700
16	Other	Max and min oil level	1	307P221060
17	Red	Risk of crushing	2	In english : 4000130190 In french : 4000130200 In spanish : 4000130210
18	Orange	Hand crushing hazard - Risk of crushed hands	4	In english : 4000024770 In french : 4000067710 In spanish : 4000086490
19	Red	Operation instructions	1	4000025140
20	Red	Operation instructions	1	In english : 4000243670 In french : 4000243680 In spanish : 4000243690
22	Orange	Wound foot - Do not place foot	2	In english : 4000024840 In french : 4000068180 In spanish : 4000086610

C - Machine layout

Marking	Color	Description	Quantity	
23	Red	Risk of crushing - Driving direction	2	3078145100
27	Red	Verification of tilt operation	1	In english : 4000130300 In french : 4000130310 In spanish : 4000130320
28	Red	Do not interchange	1	3078145180
32	Blue	Anchorage point - Traction	4	4000027310
33	Blue	Anchorage point - Elevation	4	4000027330
37	Red	Explosion hazard	1	In english : 4000025010 In french : 4000068130 In spanish : 4000086560
38	Orange	Hand crushing hazard - Heat burns	1	In english : 4000025040 In french : 4000068110 In spanish : 4000086540
46	Red	Maximum effort on the stabilizers	4	For H12SX (HS3388RT) : 4000243900 For H12SXL (HS3388RTXL) : 4000481060 For H15SX (HS4388RT) : 4000243910 For H15SXL (HS4388RTXL) : 4000506810 For H18SX (HS5388RT) : 4000243920 For H18SXL (HS5388RTXL) : 4000506880
53	Green	Emergency lowering	1	For HS3388RT - HS3388RTXL - HS4388RT - HS4388RTXL : 4000227200 For HS5388RT - HS5388RTXL : 4000244400
59	Orange	Scissors safety	1	In english : 4000024850 In french : 4000068070 In spanish : 4000086500
61	Orange	Risk of crushed feet	4	In english : 4000024780 In french : 4000067700 In spanish : 4000086480
68	Other	Transport height	1	For H12SX (HS3388RT) - H12SXL (HS3388RTXL) : 4000417350 For H15SX (HS4388RT) - H15SXL (HS4388RTXL) : 4000417360 For H18SX (HS5388RT) - H18SXL (HS5388RTXL) : 4000417370
202	Blue	Diesel Fuel Only	2	4000201430

C - Machine layout

Decal descriptions - Diesel version - ANSI and CSA standards

Color	Marking	Description	Quantity	
Red	R1	Height of the floor and load	2	For Compact 10DX (Compact 2668RT) : 3078148520 For Compact 12DX (Compact 3368RT) : 3078148530
Red	R2	Travel direction	2	3078147280
Red	R3	Risk of crushed hands	6	3078147240
Red	R4	Risk of crushing	2	3078143630
Red	R5	Danger of electrocution	2	3078147400
Red	R6	Do not interchange	1	3078147320
Red	R7	Do not park in the work area	2	3078147380
Red	R8	Close the sliding rail	1	For Compact 10DX (Compact 2668RT) and Compact 12DX (Compact 3368RT) : 307P215820
Red	R9	Wheel load	4	For Compact 10DX (Compact 2668RT) : 4000012910 For Compact 12DX (Compact 3368RT) : 4000012930
Red	R10	Maximum effort on the stabilizers	4	For Compact 10DX (Compact 2668RT) : 307P217790 For Compact 12DX (Compact 3368RT) : 307P217800
Red	R13	Risk of crushed feet	4	3078147180
Red	R21	Protective clothing required	1	3078147350
Red	R23	Use of stabilizers	1	3078147570
Red	R24	The cylinders must be retracted	1	3078147590
Orange	O1	Operation instructions	1	3078148040
Orange	O3	Risks of explosion	1	3078148030
Yellow	J3	Do not place your foot on the cover	2	3078147270
Yellow	J4	Do not use the machine as a welding earth	2	3078147220
Yellow	J5	Brake release	2	3078150680
Yellow	J6	Verification of tilt operation	1	3078147090
Yellow	J10	Socket	1	3078148900
Yellow	J12	Heat burns	1	3078147600
Yellow	J13	Battery verification	1	3078147330
Green	J16	Emergency lowering	1	4000227200
Yellow	J32	Low sulfur	1	307P232480
Other	A1-1	Platform control box	1	307P232410-420
Other	A1-2	E-stop button	1	307P217830
Other	A2	Ground control box	1	307P232470
Other	A3	Identification plate	1	307P218170
Other	A4	Machine name logo	2	For Compact 10DX (Compact 2668RT) : 3078148490 For Compact 12DX (Compact 3368RT) : 3078148500
Other	A5	Small format HAULOTTE® logo	3	307P217230
Other	A7	Read the operation manual	1	3078147290
Other	A8	Hydraulic oil	1	3078147140
Other	A8	Biodegradable oil	1	3078148920
Other	A9	Max and min oil level	1	3078147210
Other	A15	Harness anchor point location	6	3078147950
Other	A16	Yellow and black adhesive tape	1	2421808660
Other	A22	Voltage table	1	3078147890
Other	A24	4WD	2	3078146330
Other	A25	Fuel tank cap	1	3078150020

C - Machine layout

Color	Marking	Description	Quantity	
Other	A27	Permissible load	1	For Compact 10DX (Compact 2668RT) : 3078150090 For Compact 12DX (Compact 3368RT) : 3078150100
Other	A80	Emergency lowering location	2	307P227210
Other	A89	Towing points on the machine	4	3078147930
Other	A90	Anchor points on the machine	4	307P216800

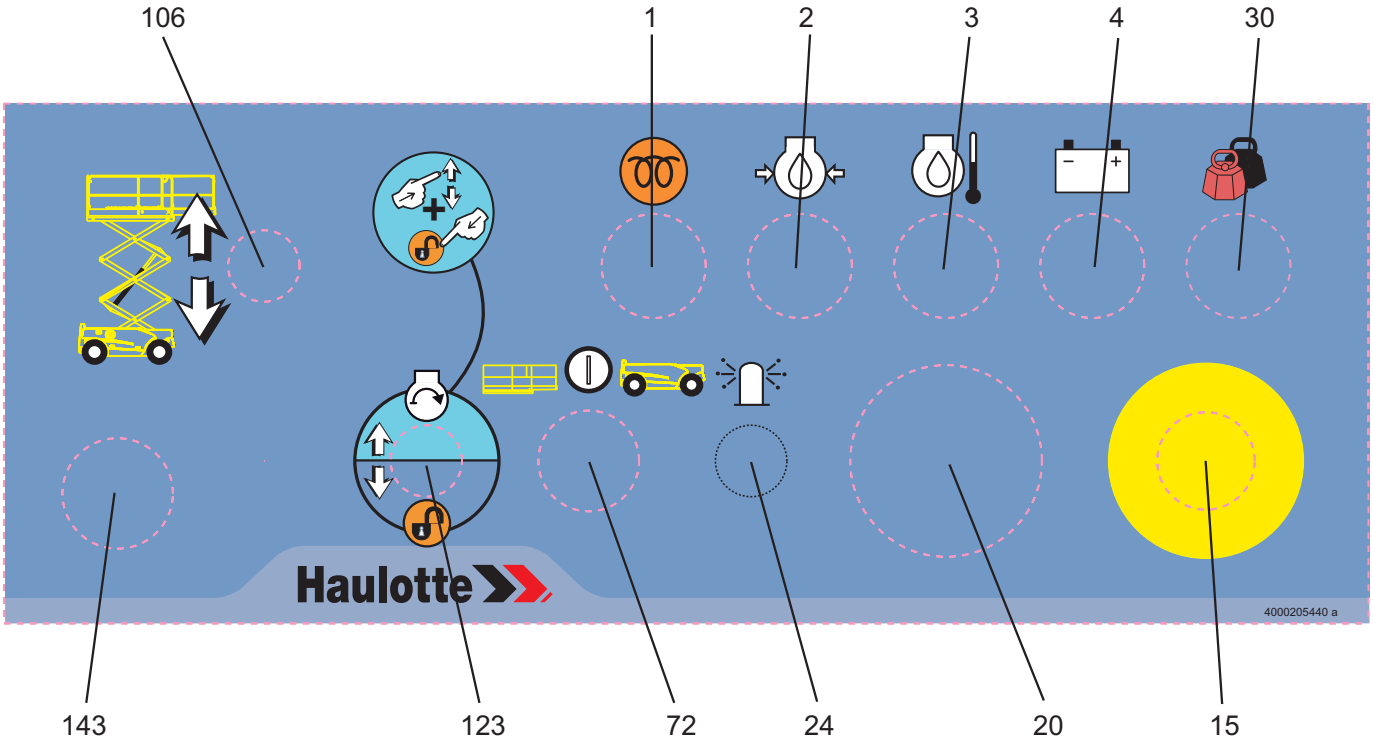
Notes

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 BOX

General view-Compact 10/12DX (Compact 2668/3368RT)



C - Machine layout

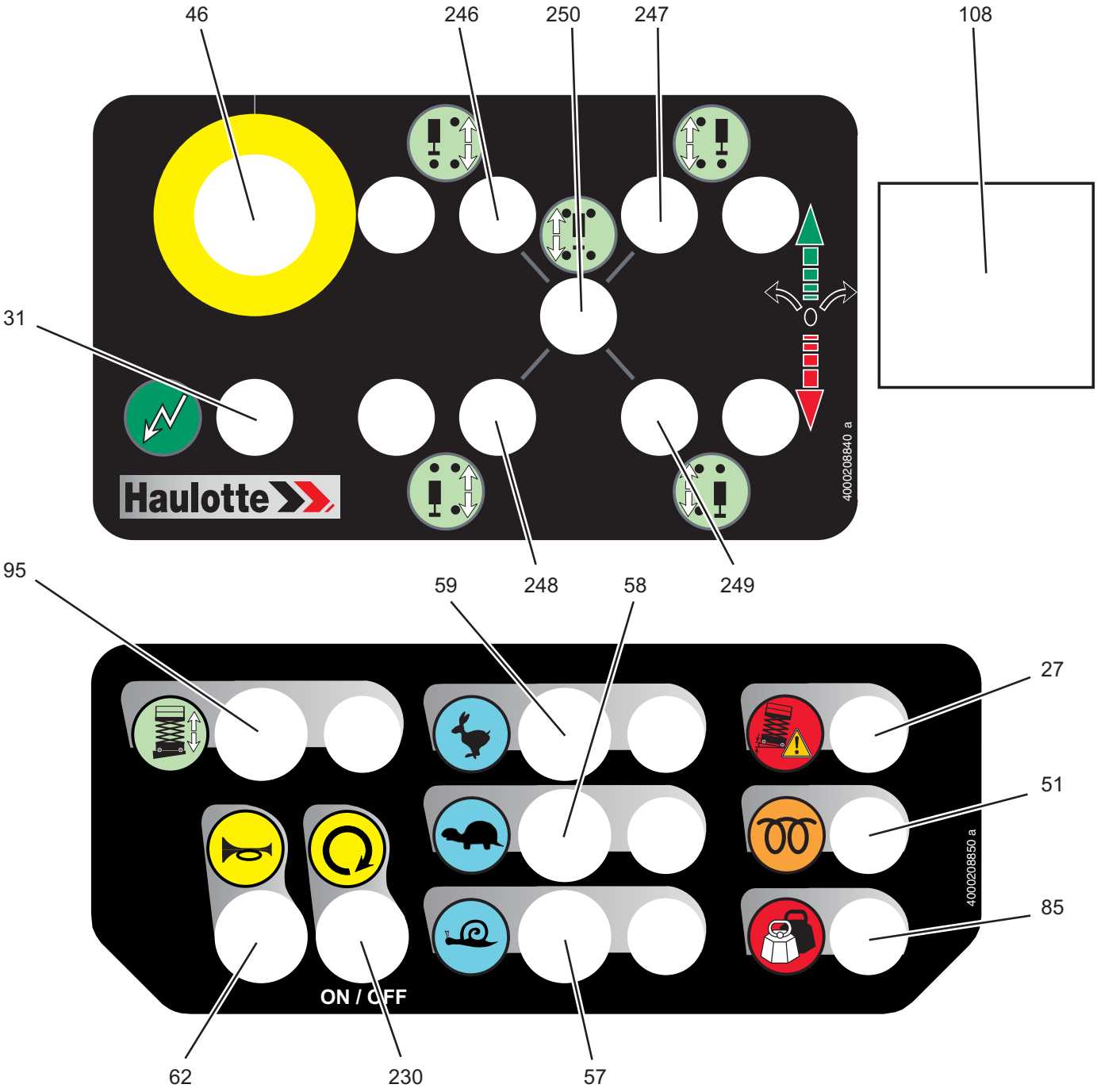
Controls and indicators-Compact 10/12DX (Compact 2668/3368RT)

Marking	Description	Function
1	Electric pre-heating indicator	On : Engine in pre-heating mode
		Off : Engine pre-heated, starting possible
2	Engine oil pressure light	Low engine oil pressure(1)
3	Engine temperature indicator	High engine oil temperature((1.))
4	Battery charging indicator	Low battery charge((1.))
15	E-stop button	Pulled out : Ground control box energized. The emergency stop push button on the upper console must be pulled (activated) to allow movements.
		Pushed in : The controls on the upper and lower consoles are disabled by switching off the power to the controls (solenoid valves and relays).
20	Hour meter	Total machine running hours
24	Beacon light on/off(2)	Move to the right : Beacon light on
		Move to the left : Beacon light off
30	Platform overload indicator	Platform overload
72	Control box activation key selector	Left : Platform control box energized
		Center : De-energizes control system
		Right : Ground control box energized
106	Platform raising / lowering selector	Move upwards : Platform raises
		Move downwards : Platform lowers
123	'Enable Switch' selector-Engine start-up selector	Push the selector upwards : Starting the engine
		Move downwards and hold : Associated command is validated
		Release : Associated command movement is halted
143	Control box start-up key	Right : Control box ON
		Left : Control box OFF

(1.) Perform the required maintenance (see the machine maintenance book)
(2.) For machines fitted with

5.2 - PLATFORM CONTROL BOX

General view-Compact 10/12DX (Compact 2668/3368RT)



C - Machine layout

Controls and indicators-Compact 10/12DX (Compact 2668/3368RT)

Marking	Description	Function
30	Platform overload indicator	Platform overload
31	Power ON indicator	On : Machine switched on
		Off : Machine switched off
46	Platform control box E-stop button	Pulled out : Platform control box power supply energized. The emergency push-button on the lower console must be pulled (activated) to enable movements.
		Pushed in : The controls on the upper and lower consoles are disabled by switching off the power to the controls (solenoid valves and relays).
51	Electric pre-heating indicator	On : Engine in pre-heating mode
		Off : Engine pre-heated, starting possible
57	Low speed selector	Pressed down (activated and LED on) : Low-speed drive selection (for short distance and final approach)
58	Medium speed selector	Pressed down (activated and LED on) : Medium-drive speed selection (difficult ground, slope)
59	High speed selector	Pressed down (activated and LED on) : High-speed drive selection (for long distance)
62	Horn button	Pressed down (activated) : Horn
85	Fault indicator-Tilt indicator	Flashes if fault and/or tilt
95	Platform raising / lowering selector	Pressed down (activated and LED on) : Platform raising/ lowering selection
108	Movement joystick	Move forward : Forward drive or platform raising
		Move backwards : Reverse drive or platform lowering
230	Engine start-up selector	Start or stop the engine (depending on the machine's operating status) by pressing the push-button
246	Front left stabilizer extension/retraction selector	Push the selector downwards to extend the stabilizers : Stabilizer extended and LED on (continuously: stabilizer extended and set against the ground; rapid flashing: stabilizer extended but not yet set; slow flashing: stabilizer totally extended but not set) Push the selector upwards to raise the stabilizers : Stabilizer retraction and corresponding LED off during lowering
247	Front right stabilizer extension/retraction selector	Push the selector downwards to extend the stabilizers : Stabilizer extended and LED on (continuously: stabilizer extended and set against the ground; rapid flashing: stabilizer extended but not yet set; slow flashing: stabilizer totally extended but not set) Push the selector upwards to raise the stabilizers : Stabilizer retraction and corresponding LED off during lowering
248	Rear left stabilizer extension/retraction selector	Push the selector downwards to extend the stabilizers : Stabilizer extended and LED on (continuously: stabilizer extended and set against the ground; rapid flashing: stabilizer extended but not yet set; slow flashing: stabilizer totally extended but not set) Push the selector upwards to raise the stabilizers : Stabilizer retraction and corresponding LED off during lowering
249	Rear right stabilizer extension/retraction	Push the selector downwards to extend the stabilizers : Stabilizer extended and LED on (continuously: stabilizer extended and set against the ground; rapid flashing: stabilizer extended but not yet set; slow flashing: stabilizer totally extended but not set) Push the selector upwards to raise the stabilizers : Stabilizer retraction and corresponding LED off during lowering

C - Machine layout

Marking	Description	Function
250	Central stabilizer extension/retraction selector	Push the selector downwards to extend the stabilizers : Stabilisers extended and LED lit (continuously: stabilizers extended and braced against the ground; fast flashing: stabilizers extended but not yet braced; slow flashing: stabilizers fully extended by not braced) Push the selector upwards to raise the stabilizers : Stabilizer retraction and corresponding LED off when lowering

D - Operating principle

1 - Description

Hydraulic energy to perform machine movements is provided by two pumps powered by a thermal engine.

The controls and the starting of the thermal engine 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 specifications

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 (foot switch).
- Enable switch.

2.2 - PLATEFORM LIFTING

For Russia and the Ukraine only :

Platform lifting is only authorized if the 4 stabilizers are braced against the ground.

2.3 - DRIVE SPEED

All driving speeds are authorised when the machine is folded, (machine in transport position).

The maximum travelling speeds are reduced when the following lifting height is reached :

Machine	Transport configuration limit height	
	Mètre	Feet
H12/15/18SX(L) (HS3388/4388/5388RT(XL))	2,80 - 2,90	9 ft 2 in - 9 ft 6 in
COMPACT 10/12DX (COMPACT 2668/3368RT)	2,50 - 2,70	8 ft 2 in - 8 ft 10 in

Above these values, only micro-speed is authorized :

- Driving is only possible if machine outriggers is raised.
- Driving is cut off if the tilt exceeds the authorized limit.
- For Compact 12DX (Compact 3368RT) only : As soon as the base reaches 8 m(26 ft3 in) from the ground, driving movements are cut off.
- For H15/18SX (HS4388/5388RT) only : As soon as the base reaches 10 m(32 ft10 in) from the ground, driving movements are cut off.

For Russia and the Ukraine only :

- All driving speeds are authorised when the machine is folded, (machine in transport position).
- Driving is cut off if the tilt exceeds the authorized limit.

2.4 - ANTI-CRUSH SYSTEM WHEN LOWERING

A device alerts people on the ground of a risk of crushing :

- Between the lifting systems.
- Under platform extension.

This device automatically operates between the transport height position limit and the lower position (Refer to Driving speed)

All versions, lowering control from the platform and ground control boxes :

- Slows the downward movement and emits an audible signal.

Standard CE, lowering movement from platform control box :

- At the end of the lowering operation, a 3 (second) automatic delay is initiated before resuming lowering, to avoid the risk of crushing.

2.5 - ON-BOARD ELECTRONICS

The machine is equipped with a specific calculator configured for this machine's functionalities.

Do not interchange the Calculator (calibration restoration) between machines..

2.6 - THERMOSTAT LOCATION / LIMITATION

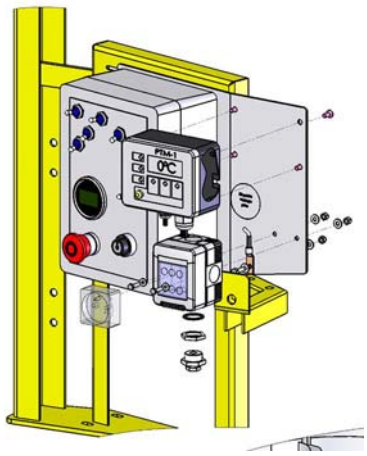
For Russia and the Ukraine only :

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. If the temperature limits are reached, an audible alarm alerts the operator. All movements are cut off except getting back to transport position.

Temperature limits :

- Electric machines : from 0° to + 40°
- Fuel-powered machines : from - 20° to + 40°

Location of operating temperature thermostat



2.7 - DETECTION OF INTERNAL FAULT

N.B.-:-*The presence of this device depends on the machine configuration.*

The defect indicator flashs to indicate an internal malfunction.

The machine switches to downgraded mode.

Certain movements can be limited or forbidden to preserve the operator's safety.

2.8 - AUTOMATIC ENGINE CUT-OUT

The engine automatically cuts out in the following conditions :

- The alternatorand/or fan is no longer working.
- Engine temperature is too high.
- Oil pressure is too low.
- The air filter of the engine is clogged.

2.9 - LOAD LIMITING IN THE PLATFORM (IF FITTED)

If the platform load exceeds the maximum allowed load, no movement is possible from the platform control box.

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

The purpose of the load limitation on the extension is to make retraction and extension operations which have to be performed manually by the operator possible.

2.10 - CHASSIS TILT

If the machine is located on a slope greater than the permissible slope, the platform control box's fault indicator and the buzzer warn the operator.

Driving is cut (If the machine is unfolded).

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

2.11 - DRIVE BUZZER

For Russia and the Ukraine only :

Each travel or lifting movement activates a buzzer (horn).

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.**
- **Conditions and the operating principles of the machine.**

N.B.*-:-The machine reaches optimum performance (speed of movement, load capacity) when the temperature of the oil in the hydraulic circuit is greater than 10°C. After a prolonged period of disuse at a lower temperature, lifting and lowering the platform several times without any load and performing a few translation movements is enough to restore the machine's nominal performances.*

2 - Checks before use

Each day and before the beginning of a new work period and with 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

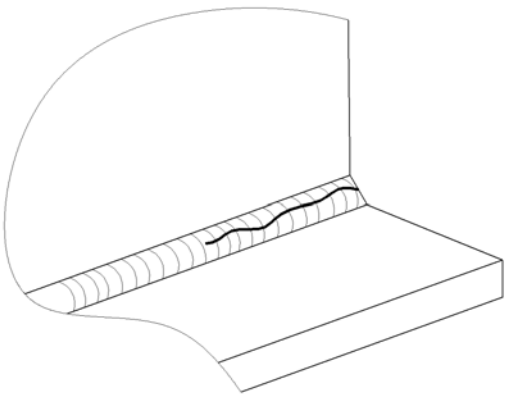
2.1.1 - General mechanical functions

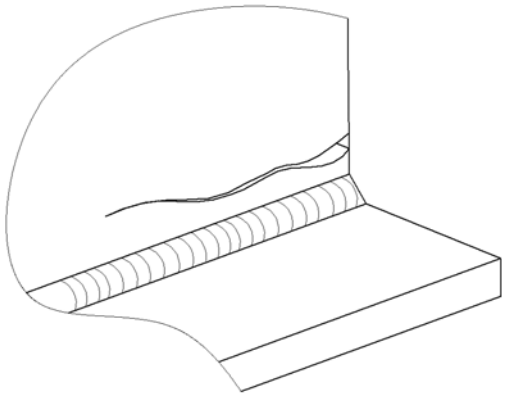
For all the following checks, ensure that the machine is switched off.

Check the following points :

- The presence of the identification plate, decals and operator manual :
  - Their state of cleanliness and visibility.
  - Clean or replace if necessary.
- Visual state of the machine :
  - No leaks (battery acid, hydraulic oil, etc.). No 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.
  - No cracks, broken weld, paint chipped. No deformations or other anomalies on the structure's parts.

Example





E - Driving

- Cylinders' state :
  - No leaks. Refer to the Maintenance manual.
  - No rust and abrasions on the cylinder rod.
  - No foreign objects on all surfaces.
- Steering system's state : wheels, reducers, brakes and tires/tyres :
  - 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 tires / tyres (cuts, excessive wear, etc.).
- Status of the control boxes :
  - No damage.
  - Back to neutral for all joysticks, selectors, etc..
  - Presence and readablility of the control box decals.
- Movement, safety limit switches :
  - No damage.
  - No missing or loose bolts. Refer to the "tightening torques" table quoted in the Maintenance Book.
  - No 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 manual.

- State of the structure's parts : Arm, platform :
  - No cracks, damaged paint.
  - No distortion in metal components or visible damage.
  - No foreign objects between arms.
  - Guardrails are present and locked in place.
  - Presence and check the original position of the platform control box sliding bar.
- Brake release components :
  - No leaks.
  - No cracks, damaged or missing parts.
  - Brake release tap is screwed in completely. Section F 2.1Manual brake release
- 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).
  - Sufficient fuel level.

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 E-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 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).

Compact 10/12DX (Compact 2668/3368RT)

Step	Control
1	Movements : Platform raising / lowering(106)
2	Engine start-up selector(123)-Move upwards.
3	'Enable Switch' selector(123)-Move downwards.
4	Beacon light on/off(24)
5	Control box activation key selector(72)

H12/15/18SX(L) (HS3388/4388/5388RT(XL))

Step	Control
1	Movements : Platform raising / lowering(106)
2	Engine start-up selector(22)
3	Beacon light on/off(24)
4	Control box activation key selector-Enable Switch(72)

2.2.3 - Platform 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).

Compact 10/12DX (Compact 2668/3368RT)

Step	Control
1	Movements : Platform raising / lowering (95)
2	Driving and steering (108)
3	Engine start-up selector (230)
4	Drive speed selector : • Low speed selector (57) • Medium speed selector (58) • High speed selector (59)
5	Central stabilizer extension/retraction selector (250)
6	• Front left stabilizer extension/retraction selector (246) • Front right stabilizer extension/retraction selector (247) • Rear left stabilizer extension/retraction selector (248) • Rear right stabilizer extension/retraction (249)
7	Horn button (62)

H12/15/18SX(L) (HS3388/4388/5388RT(XL))

Step	Control
1	Movements : Platform raising / lowering (95)
2	Driving and steering (108)
3	Engine start-up selector (61)
4	Touch pads and driving speed indicator : • Low speed selector (57) • Medium speed selector (58) • High speed selector (59)
5	Centralized outriggers selector switch (94)
6	Touch pads and stabilizer extension indicator : • Front left (97) • Front right (98) • Rear left (99) • Rear right (100)
7	Touch pads and stabilizer retraction indicator : • Front left (101) • Front right (102) • Rear left (103) • Rear right (104)
8	Platform raising/lowering selector switch and indicator (95)
9	Differential lock selector switch (60)
10	Horn selector switch (62)

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 commitee at any time.

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. They 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 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 Section C 5 - Control boxes

N.B.-:-*Using unsuitable fuel may cause diminished performance, difficulties starting, excessive pollution and premature wear. To establish the type of fuel suitable for the engine fitted on your HAULOTTE® machine, please refer to the engine manufacturer's manual. The engine may not be covered by the warranty in case of damage caused by using unsuitable fuel.*

3.1 - TEST PROCEDURE

3.1.1 - E-stop button operation

Ground control box E-stop button

Step	Action
1	Pull the E-stop buttons(15, 46).
2	Turn the key of the control box activation selector (72) to the right to energize the ground control box. The indicators light up.
3	Push the E-stop button (15). The battery charge (4) and engine oil pressure (2) indicators remain lit.

Platform control box E-stop button

Step	Action
1	Pull the E-stop buttons(15, 46).
2	Turn the key on the control box activation selector switch (72) to the left to energize the platform control box. The indicators light up.
3	Push the E-stop button (46). The power on indicator (31) remains lit. The engine start-up (61) and horn (62) functions are disabled.

N.B.-:-*An audible signal signal repeated 1 or 2 times every 20-30 seconds intermittently when the machine is in transport position indicates that an emergency stop button has been pushed in, the machine is stopped but the power is still switched on. To switch off the power to the machine, turn the console activation selector key (72) on the lower console in the centre to neutral position.*

3.1.2 - Tilt sensor switch operation

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.

***N.B.**-:-Depending on your machine configuration, outside assistance may be necessary in order to carry out this operation.*

1. Pull the E-stop push-buttons on the platform and ground control boxes (15, 46).
2. Switch on the machine from the ground control box (72).
3. Locate the tilt sensor next to the ground control box.
4. Manually tilt and maintain the tilt sensor towards the front for a few seconds (Section C 2-Main components) :
5. The audible beep sounds.
6. For machines fitted with : The slope sensor prevents lifting and driving movements.

3.1.3 - Visual and sound alarms

1. Pull the E-stop buttons (15, 46).
2. Select the upper console (72). The indicator (31) at the platform control box lights up, and there is an audible signal (beep).

3.1.4 - Weighing system

1. Pull the E-stop buttons (15, 46).
2. Select the upper console (72). Platform control box overload indicator (85 : Compact / 30 : HSX(L)) flashes.

3.2 - OPERATION FROM GROUND POSITION

The ground control box is an auxilary control box to use in emergencies only.

3.2.1 - Machine start-up

1. Pull the E-stop button (15).
2. Turn the key of the control box activation selector (72) to the right to energize the ground control box. The following indicators light up :
   - Electrical pre-heating (1).
   - Engine oil pressure (2).
   - Engine temperature (3).
   - Battery charge (4).
3. For HSX(L) : The clogged air filter indicator (5) is switched off.
4. For HSX(L) : Press the starter push-button (22). For Compact DX : Push the selector upwards (123). The engine starts. The indicator goes out.
5. Let the engine heat up.

3.2.2 - Machine shutdown

- Turn the control box activation selector (72) key to the center.
- The machine is shut down. The power to the machine is switched off, all the indicators on the lower console are off.

3.2.3 - Movement control

- For Compact 10/12DX (Compact 2668/3368RT) :

***N.B.**-:-Activate the controls and the 'Enable Switch' system simultaneously to perform the various movements.*

Ground box controls (emergency station)

Control		Action
Platform raising/ lowering selection		Platform raises : • Push the console activation selector (72) to the right. • Push the "Dead man" selector (123) downwards and the platform raising and lower selector (106) upwards simultaneously.
		Platform lowers : • Push the console activation selector (72) to the right. • Push the "Dead man" selector (123) and the platform raising and lowering selector (106) downwards simultaneously.

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

- For H12/15/18SX(L) (HS3388/4388/5388RT(XL)) :

Ground box controls (emergency station)

Control	Action
Platform raising/ lowering selection 	Platform raises : • Push the console activation selector (72) to the right and hold. • Push the platform raising / lowering selector (106) upwards to raise the platform.
	Platform lowers : • Push the console activation selector (72) to the right and hold. • Press the platform raising / lowering selector (106) downwards to lower the platform.

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

3.2.4 - Other controls

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

The E-stop button (15) must be pulled out.

• Turn the key on the control box activation selector switch (72) to the left to energize the platform control box. The ground box controls are de-energized.

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

The E-stop button (15) must be pulled out.

• Turn the key of the control box activation selector (72) to the right to energize the ground control box. The platform box controls are de-energized.

- For the machines equipped with beacon light :
- Push the beacon light selector switch (24) to the right to turn ON the beacon light.
- Push the beacon light selector switch (24) to the left to turn OFF the beacon light.

3.3 - OPERATIONS FROM THE PLATFORM

3.3.1 - Machine shutdown

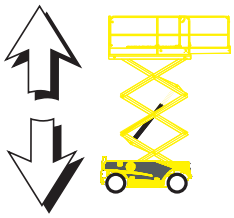
For Compact : Press on the start/stop engine selector (230).

For HSX(L) : Push in the E-stop button (46).

3.3.2 - Movement control

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

Platform box controls (driving station) Compact 10/12DX (Compact 2668/3368RT)

Control	Action
Driving 	Set the driving speed selector to : • Low speed (57) • Medium (58) • Fast speed (59) Move the drive joystick (108) forwards to drive the machine forwards.
	Set the driving speed selector to : • Low speed (57) • Medium (58) • Fast speed (59) Move the drive joystick (108) backwards to drive in reverse.
Steering 	Move the drive joystick (108) forwards to drive the machine forwards. Push the front-axle steering selector thumb switch (108) to the right to steer to the right.
	Move the drive joystick (108) forwards to drive the machine forwards. Push the front-axle steering selector thumb switch (108) to the left to steer to the left.
Platform raising / lowering 	Push the platform raising / lowering selector (95) upwards to raise the platform. Push the movement joystick (108) forwards to raise the platform.
	Press the platform raising / lowering selector (95) downwards to lower the platform. Push the movement joystick (108) backwards to lower the platform.
Drive speed (minimum) 	Set the drive speed selector switch (59) to  for high-speed driving (long distance driving, tarmac, concrete).
	Position the driving speed selector (58) on  for medium speed driving (crossing uneven ground, slope).
	Position the driving speed selector (57) on  for low-speed driving (short distance, final approach, unloading from lorries/trucks).
Stabilizer extension/ retraction 	Push the central stabilizer extension/retraction selector (250) downwards until the machine is stable (LED lit).
	Push the central stabilizer extension/retraction selector (250) upwards until the stabilizers are fully retracted (LED off).

E - Driving

Control		Action
Front left stabilizer extension/retraction		Push the front left stabilizer extension/retraction selector (246) downwards until the stabilizer is braced against the ground (LED lit). Push the front left stabilizer extension/retraction selector (246) upwards until the stabilizer is fully retracted (LED off).
Front right stabilizer extension/retraction		Push the front right stabilizer extension/retraction selector (247) downwards until the stabilizer is braced against the ground (LED lit). Push the front right stabilizer extension/retraction selector (247) upwards until the stabilizer is fully retracted (LED off).
Rear left stabilizer extension/retraction		Push the rear left stabilizer extension/retraction selector (248) downwards until the stabilizer is braced against the ground (LED lit). Push the rear left stabilizer extension/retraction selector (248) upwards until the stabilizer is fully retracted (LED off).
Rear right stabilizer extension/retraction		Push the rear right stabilizer extension/retraction selector (249) downwards until the stabilizer is braced against the ground (LED lit). Push the rear right stabilizer extension/retraction selector (249) upwards until the stabilizer is fully retracted (LED off).

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

F - Special procedure

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

1 - Emergency lowering

1.1 - PRINCIPLE

N.B.-:-*During emergency manoeuvres controlled from the ground with extension out, it is essential to ensure that there is no obstacle under the platform (wall, beam, electric line, etc).*

Emergency lowering is implemented if the operator using the console on the platform needs to be rescued and cannot operate the controls himself even if the machine is operating normally. This situation may arise if the operator is taken ill, is injured or if the control console is inaccessible.

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

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

1.2 - PROCEDURE

Section A 2-Pre-operation instructions

1. Turn the key of the control box activation selector (72) to the right to energize the ground control box. The platform box controls are de-energized.
2. Lower the platform from the ground control box.

N.B.-:-*Activating the emergency controls listed above deactivates the controls of the console on the platform.*

1.3 - EXTRAORDINARY PROCEDURE

In the context of emergency lowering, it is possible that the emergency stop located on the platform is activated or that safety mechanisms such as the overload limitor are preventing the machine from operating normally.

During an exceptional procedure, for machines which are not fitted with the manual rescue control as described in the "emergency lowering" paragraph, activating the lower console deactivates the emergency pushbutton located on the platform.

***N.B.**-:-During these exceptional manoeuvres, movements are slowed down for safety reasons.*

For Compact 10/12DX (Compact 2668/3368RT) : ONLY in these conditions, activate the "overriding system" switch (245) located under the cover and simultaneously press the platform lowering button until the safety mechanisms are deactivated (alarms stop) and therefore normal movements are possible again, or until the operator can be rescued.

"Overriding system" switch under cover

Once rescue operations are complete, write an incident report.

For H12/15/18SX(L) (HS3388/4388/5388RT(XL)) : 1.2 - Procedure

2 - Lowering for repairs

2.1 - PRINCIPLE

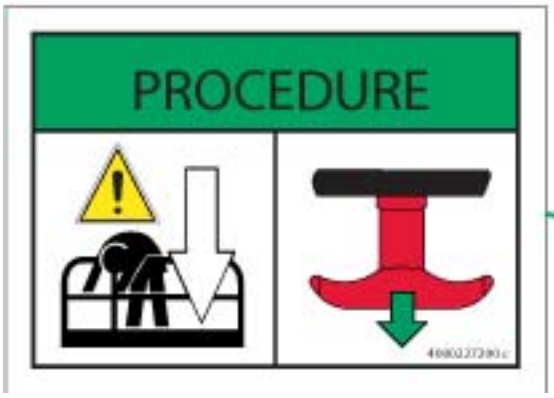
If an operating problem prevents the user on the platform from descending, a competent operator can do this from the chassis.

2.2 - PROCEDURE

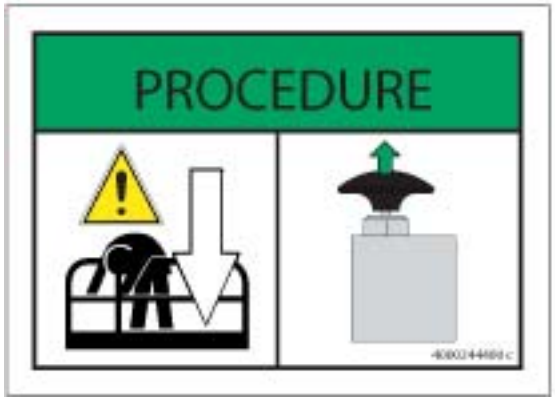
N.B.-:-*During emergency manoeuvres controlled from the ground with extension out, it is essential to ensure that there is no obstacle under the platform (wall, beam, electric line, etc).*

Pull T-handle for emergency lowering

H12SX (HS3388RT) - H15SX (HS4388RT) - H12SXL (HS3388RTL) - H15SXL (HS4388RTL)

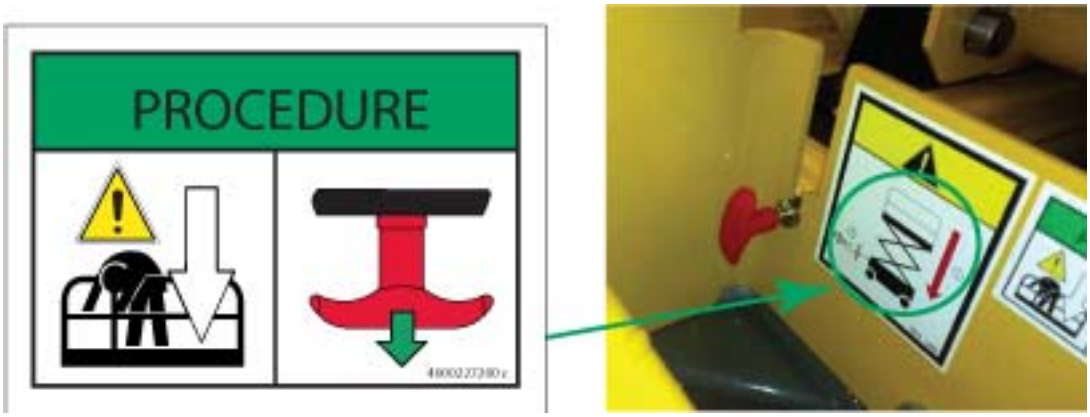


H18SX (HS5388RT) - H18SXL (HS5388RTXL)



F - Special procedure

COMPACT 10DX (COMPACT 2668RT) - COMPACT 12DX (COMPACT 3368RT)



- A manual controller, located behind the access ladder, behind the machine, is used to lower the cradle (or platform).
- Pull the manual controller (identified using the decal).
- Release it to halt lowering.

Once rescue operations are complete, write an incident report.

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 lanyard 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.

3 - Towing

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

3.1 - DISENGAGING THE DRIVE HUBS

To tow a broken-down machine, disconnect the wheel drive hubs.

Perform these operations on flat, horizontal ground. Failing that, block the wheels to immobilize the machine. When drive hubs are disengaged, the machine is in free wheel mode and the brake system no longer functions.

For : H12SX (HS3388RT) - H15SX (HS4388RT) - H12SXL (HS3388RTXL) - H15SXL (HS4388RTXL)

Unscrew the 2 nuts with an 11 mm spanner.

Turn the part and screw it back on.

The gears are released.

For : H18SX (HS5388RT) - H18SXL (HS5388RTXL)

Unscrew the central nut (1) until the nut is at the limit.

3.2 - BRAKE RELEASE

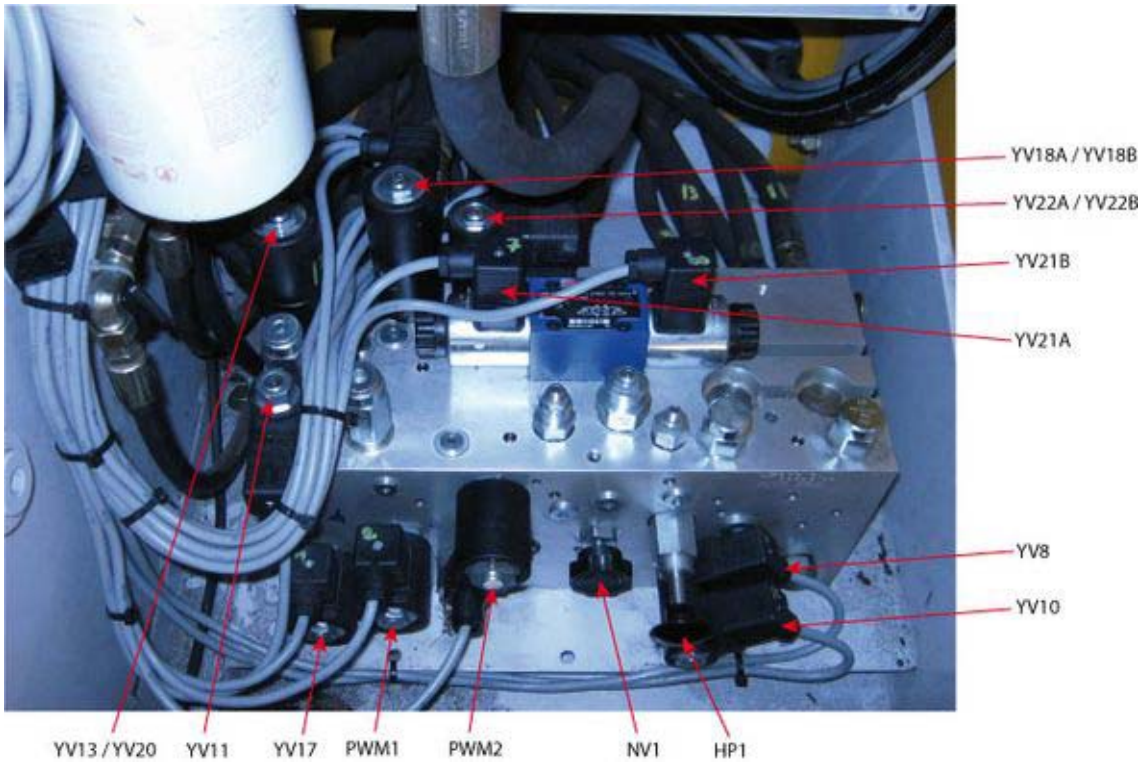
To tow a broken-down machine, perform manual brake release.

Perform these operations on flat, horizontal ground. Failing that, block the wheels to immobilize the machine. When drive hubs are disengaged, the machine is in free wheel mode and the brake system no longer functions.

For Compact 10/12DX (Compact 2668/3368RT) : :

1. Open the tap (NV1) (Unscrew completely).
2. Push the pump by hand (HP1) until the brake is fully released.
3. Slow towing.

After towing the machine : Close the tap (NV1) (Tighten fully).



In the towing configuration, the machine is no longer slowed down. Use a drawbar to avoid any risk of accident.

Do not exceed 5 km/h (3,10 mph) .

4 - Loading and unloading

4.1 - PRINCIPLE

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

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

To climb the slope, select low driving speed  .

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

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

A wrong move can lead to the tipping over of the machine and cause serious bodily and material accidents.

4.1.1 - Lifting operation

Ensure that :

- The machine is completely stowed.
- The platform must be empty.
- The lifting equipment ie. slings, shackles, hooks, lifting beam etc. are in good condition and of sufficient capacity.
- The personnel performing the lift are authorised to safely perform the lift operation.

F - Special procedure

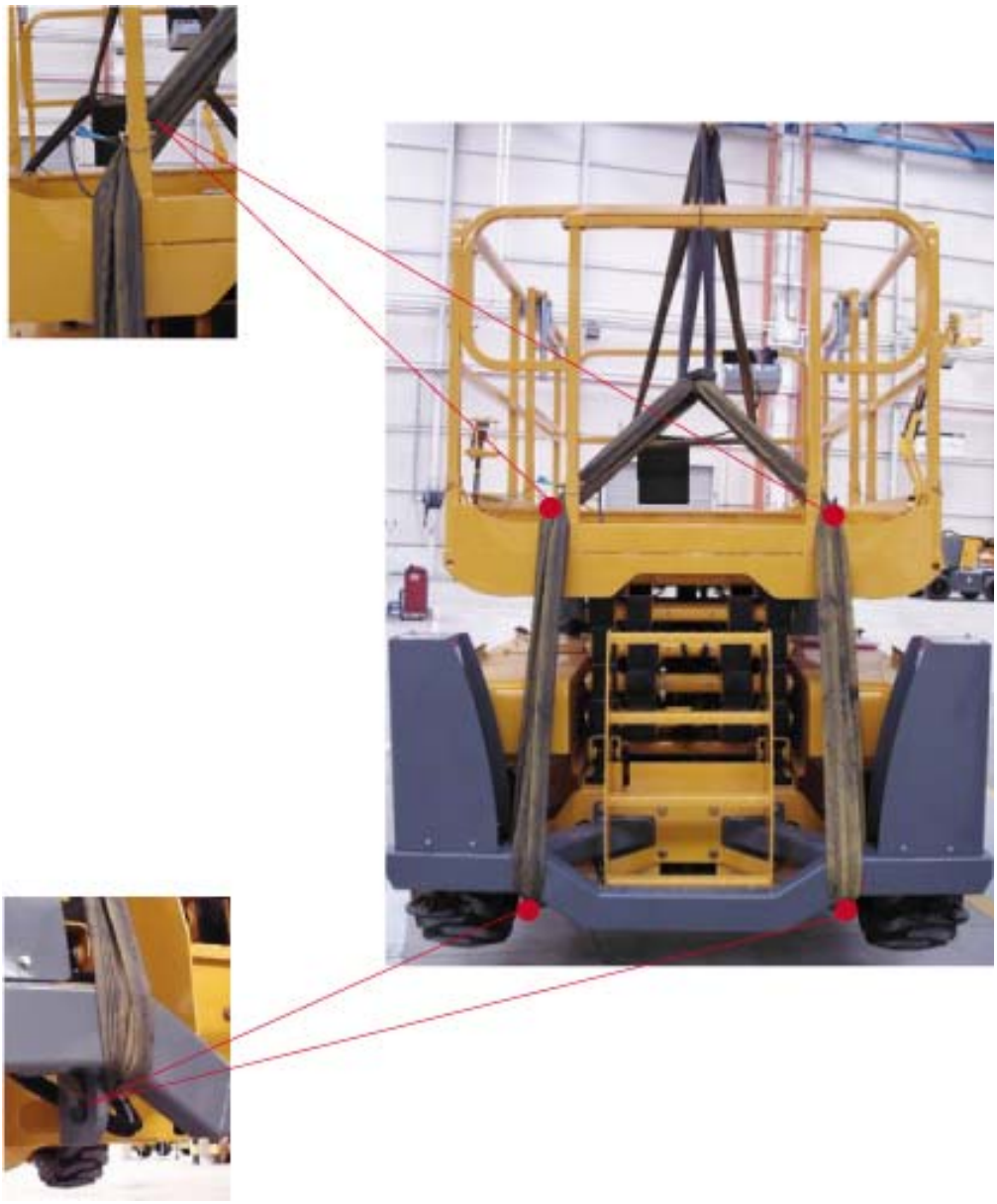
Procedure for the use of slings - Compact 10DX (Compact 2668RT) - Compact 12DX (Compact 3368RT)

F - Special procedure

Procedure for the use of slings - Compact 10DX (Compact 2668RT) - Compact 12DX (Compact 3368RT) - Front view of the machine

F - Special procedure

Procedure for the use of slings - Compact 10DX (Compact 2668RT) - Compact 12DX (Compact 3368RT) - Rear view of the machine



Machine	Number of slings	Length	Maximum load per sling and shackle
Compact 10DX (Compact 2668RT) Compact 12DX (Compact 3368RT)	6	4 m(13 ft1 in)	3000 kg(6615 lb)

The capacity of the lifting device is 5000 kg(11025 lb).

Pay special attention to sharp edged surfaces, which can cut the slings.

Before moving or raising the machine higher than 20 cm above the ground, ensure that it is well balanced.

4.1.2 - Lifting operation

When loading/unloading, if it is necessary to raise the machine using a crane, it is important to comply with the following :

- The technician should take all steps to protect themselves or others against all risks of injury connected with this operation.
- The technician should ensure they have the PPE (personal protective equipment) suitable for the job and the particular conditions of environment in witch the material can be found (see safety information specific to the operation site).
- Position the machine on a flat and firm surface, clear of obstructions (beware of power lines).
- Switch off the ignition, remove the ignition key, activate the battery power.
- Put a "DO NOT USE" decal near the start/stop button to inform personnel that work is currently in progress on the equipment.
- Mark out the work aera.
- Ensure the platform is empty.
- The pressure in the hydraulic system is very important. It can cause accidents. Relieve the pressure before beginning any work and never search for oil leaks using your hands.
- Beware of the risk of burns; the hydraulic system operates at high temperatures.
- Engine exhaust gases contain harmful products of combustion. Always start and run the engine in a well-ventilated area. In a closed room, ensure the exhaust gases are evacuated to the outside.
- Verify that lifting accessories are in good operation and match the technical specifications listed below. It is important that the lifting devices are attached only to the designated lifting eyes.
- Each of the chains/slings used for lifting the machine must be adjusted to keep the machine level and to minimize the risk of damage to the machine.
- Anchorage point for lifting are identified / labeled by the following symbol  .
- ONLY trained and authorized personnel should attempt to lift the machine.

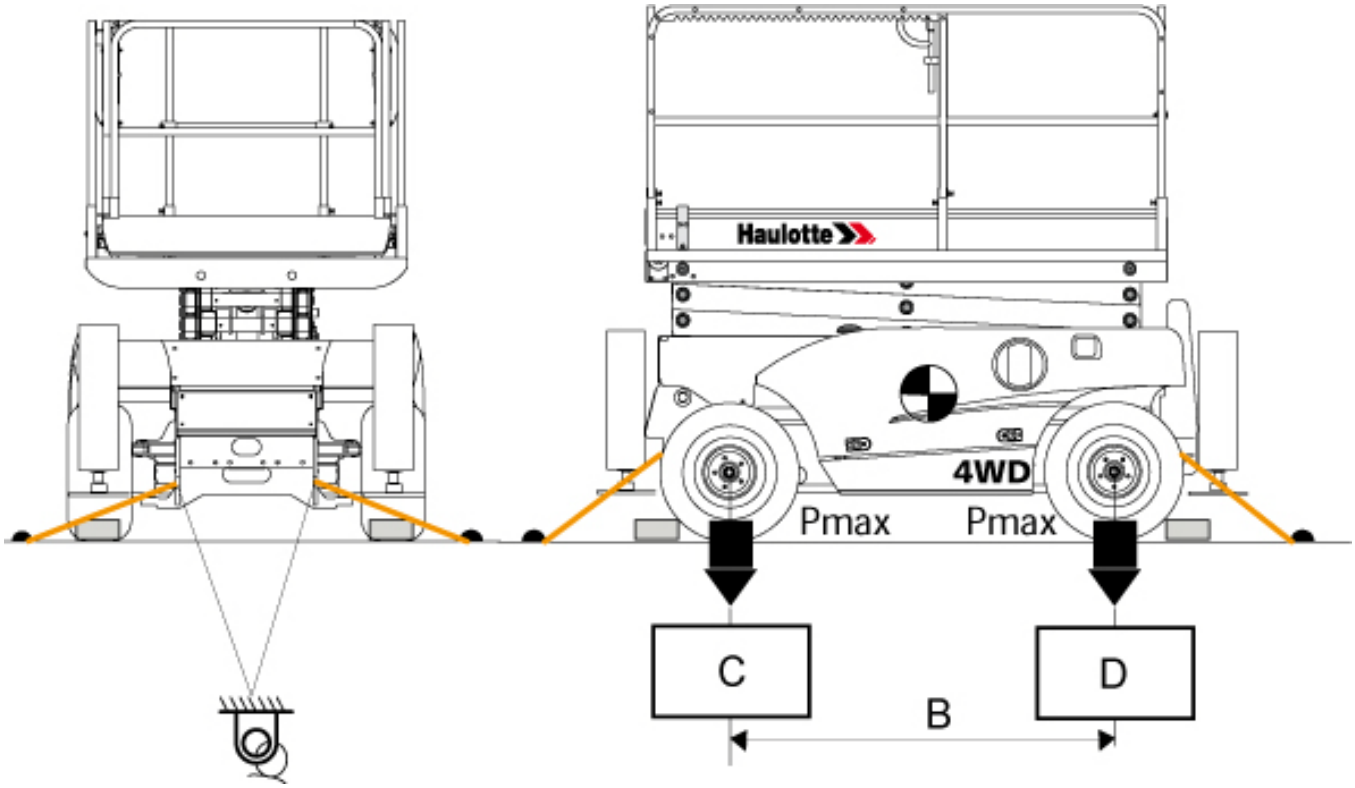
Machine type	Maximum weight
H12SX (HS3388RT)	5510 kg (12150 lb)
H12SXL (HS3388RTXL)	5700 kg (12569 lb)
H15SX (HS4388RT)	6340 kg (13980 lb)
H15SXL (HS4388RTXL)	6530 kg (14399 lb)
H18SX (HS5388RT)	7300 kg (16097 lb)
H18SXL (HS5388RTXL)	7490 kg (16515 lb)

4.2 - PUTTING IN TRANSPORT POSITION

The machine must be completely stowed.

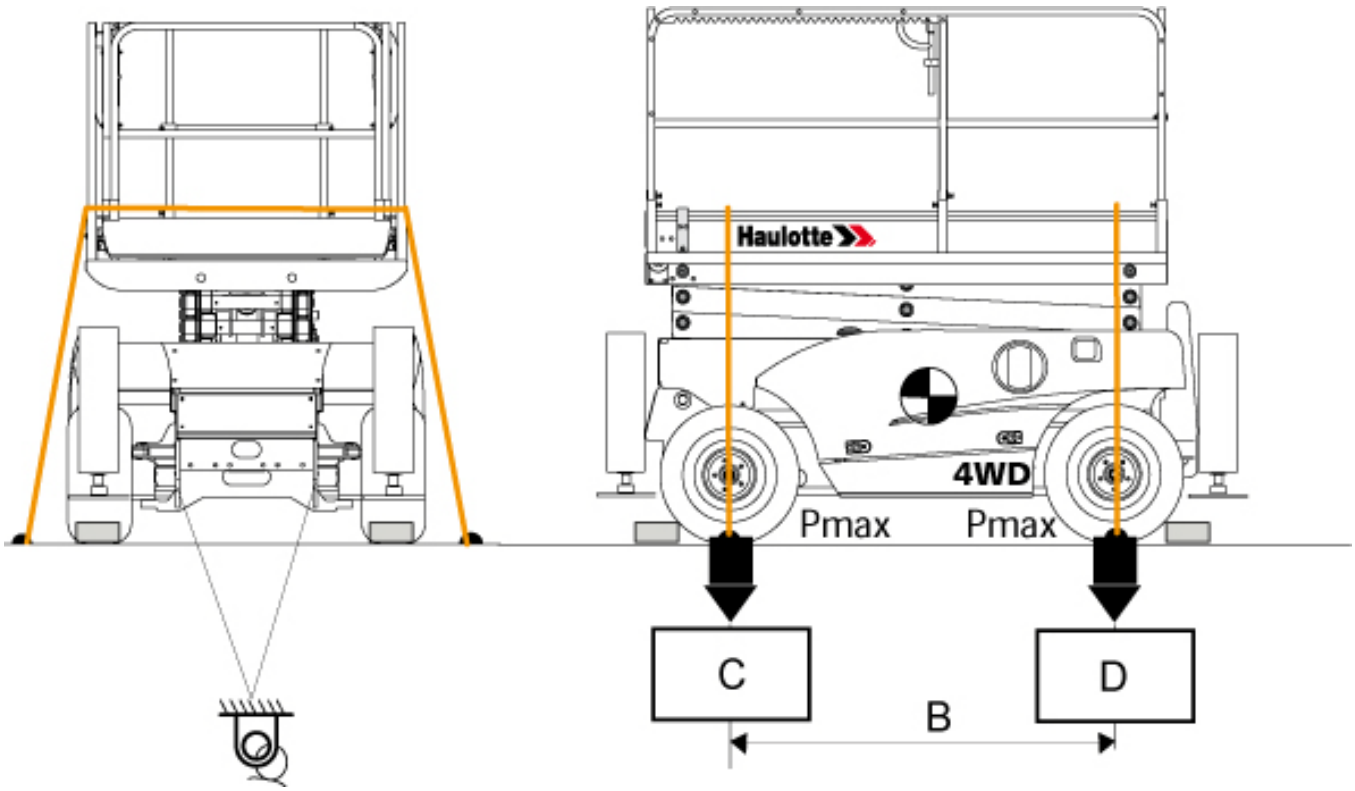
1. Check the platform is completely empty.
2. Secure the machine to the tie down points provided.
3. The guardrails must be locked and/or folded back.
4. Extensions must be locked and maintained with straps.

For Compact 10/12DX (Compact 2668/3368RT)

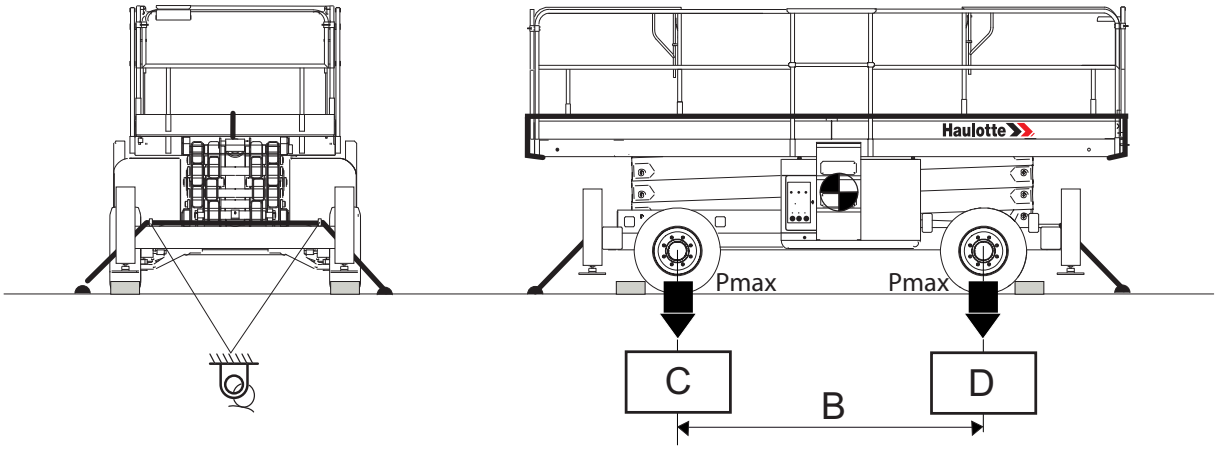


F - Special procedure

Possible variant :



For H12/15/18SX(L) (HS338/4388/5388RT(XL))



F - Special procedure

Loading characteristics

Marking	Description	COMPACT 10DX (COMPACT 2668RT)	COMPACT 12DX (COMPACT 3368RT)
B	Lateral distance between the wheels(1).	1.87 m(.6 ft1 in)	1.87 m(.6 ft1 in)
C	Front wheel ground pressure((1.))	8.42 daN/cm² (1,737 lbf/sq.ft)	6.1 daN/cm² (1,258 lbf/sq.ft)
D	Rear wheel ground pressure((1.))	8.42 daN/cm² (1,737 lbf/sq.ft)	6.1 daN/cm² (1,258 lbf/sq.ft)
	Anchorage point		

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

Loading characteristics

Marking	Description	H12SX (HS3388RT)	H12SXL (HS3388RTXL)
B	Lateral distance between the wheels(1).	2.75 m(9 ft0 in)	2.75 m(9 ft0 in)
C	Front wheel ground pressure((1.))	11 daN/cm² (2,25 lbf/sq.ft)	9,2 daN/cm² (1,88 lbf/sq.ft)
D	Rear wheel ground pressure((1.))	11 daN/cm² (2,25 lbf/sq.ft)	9,2 daN/cm² (1,88 lbf/sq.ft)
	Anchorage point		

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

Loading characteristics

Marking	Description	H15SX (HS4388RT)	H15SXL (HS4388RTXL)
B	Lateral distance between the wheels(1).	2.75 m(9 ft0 in)	2.75 m(9 ft0 in)
C	Front wheel ground pressure((1.))	12 daN/cm² (2,46 lbf/sq.ft)	9,2 daN/cm² (1,88 lbf/sq.ft)
D	Rear wheel ground pressure((1.))	12 daN/cm² (2,46 lbf/sq.ft)	9,2 daN/cm² (1,88 lbf/sq.ft)
	Anchorage point		

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

Loading characteristics

Marking	Description	H18SX (HS5388RT)	H18SXL (HS5388RTXL)
B	Lateral distance between the wheels(1).	2.75 m(9 ft0 in)	2.75 m(9 ft0 in)
C	Front wheel ground pressure((1.))	16 daN/cm² (3,28 lbf/sq.ft)	9,6 daN/cm² (1,97 lbf/sq.ft)
D	Rear wheel ground pressure((1.))	16 daN/cm² (3,28 lbf/sq.ft)	9,6 daN/cm² (1,97 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.

If the machine has been damaged during transportation, contact the transporter 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 machines fitted with.

- The machine is equipped with an on-board defect detection system.
- The number of times the defect indicator flashes indicates the type of fault to the operator.
- According to the type of fault, the machine switches in 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 corrected.

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).

Otherwise, it is essential to follow the manufacturer's recommendations as stated 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 decal compliance.

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 noise level 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 sound 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 noise 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.

1.2 - TECHNICAL CHARACTERISTICS

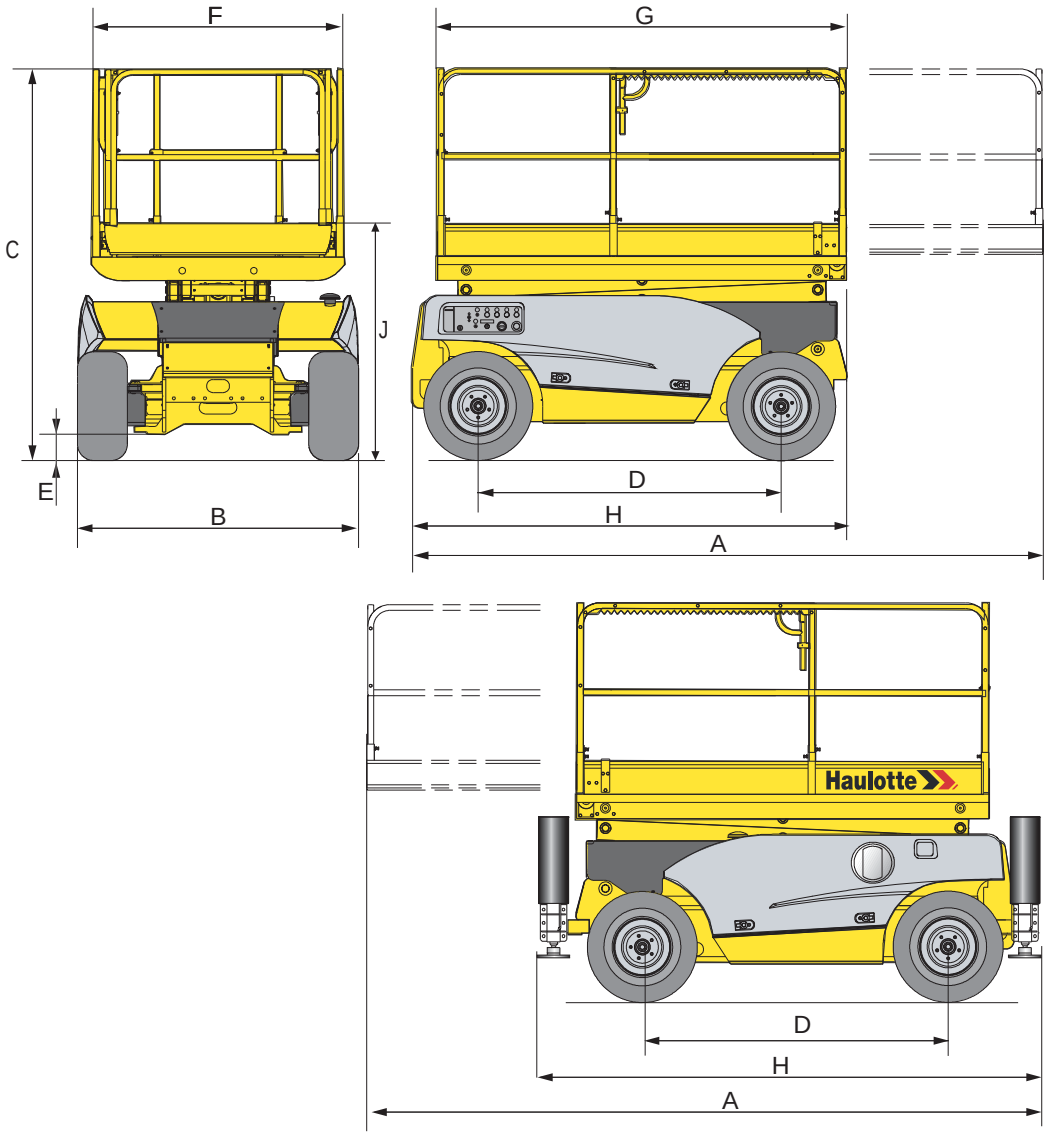
Use the table to select the right Haulotte machine for the job.

CE, AS and EAC standards

Machine	Compact 10DX		Compact 12DX	
Characteristics - Dimensions	SI	Imp.	SI	Imp.
Maximum working height	10,28 m	33 ft 9 in	12,05 m	39 ft 6 in
Maximum platform height	8,28 m	27 ft 2 in	10,05 m	33 ft 0 in
Maximum horizontal reach	0,91 m	3 ft	0,91 m	3 ft
Maximum platform height before driving speed restriction	2,77 m	9 ft 1 in	2,77 m	9 ft 1 in
Total weight	3520 kg	7762 lb	4110 kg	9724 lb
Maximum platform capacity	565 kg	1246 lb	450 kg	992 lb
Capacity when extended	150 kg	330 lb	150 kg	330 lb
Maximum number of occupants allowed	3			
Maximum person on extension (refer to the capacity on extension recommended)	1			
Maximum wind speed allowed	45 km/h	28 mph	45 km/h	28 mph
Manual force - CE - AS	400 N - 90 lbf			
Gradeability - 4WD	40%			
Gradeability - 2WD	25%			
Maximum rated slope allowed - CE - AS	3°			
Maximum load on wheel	2760 daN	6086 lbs	3030 daN	6681 lbs
Maximum ground pressure of wheel on paved ground	8,42 daN/cm²	1,75 lb/ft²	6,1 daN/cm²	1,26 lb/ft²
Drive speed (2WS) :				
• Low	• 0,8km/h	• 0.5 mph	• 0,8km/h	• 0.5 mph
• Medium	• 1,6 km/h	• 1 mph	• 1,6 km/h	• 1 mph
• High	• 3 km/h	• 1.9 mph	• 3 km/h	• 1.9 mph
• Elevated	• 5,5 km/h	• 3.4 mph	• 5,5 km/h	• 3.4 mph
Maximum freewheel speed during towed operation	1,6 km/h	1 mph	1,6 km/h	1 mph

2 - Overall dimensions

General diagram COMPACT 10DX (COMPACT 2668RT) -COMPACT 12DX (COMPACT 3368RT)

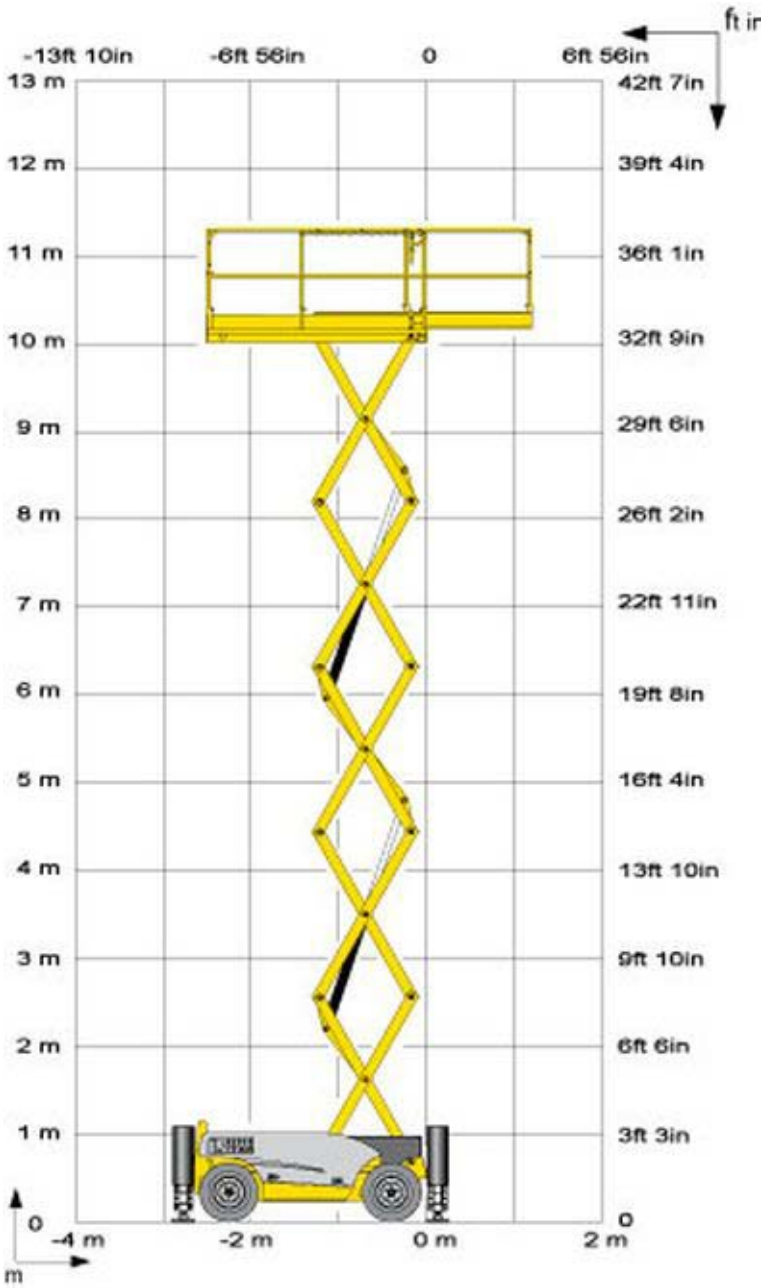


Overall dimension specifications

Marking	COMPACT 10DX (COMPACT 2668RT)		COMPACT 12DX (COMPACT 3368RT)	
	Mètre	Feet inch	Mètre	Feet inch
A	3.70	12 ft 2 in	3.70	12 ft 2 in
B	1.77	5 ft 10 in	1.77	5 ft 10 in
C	2.43	8 ft 0 in	2.55	8 ft 4 in
D	1,87	6 ft 2 in	1,87	6 ft 2 in
E	0.15	0 ft 6 in	0.15	0 ft 6 in
F x G	2,49 x 1,54	8 ft 2 in x 5 ft 1 in	2.49 x 1.54	8 ft 2 in x 5 ft 1 in
H	3.17	10 ft 5 in	3.17	10 ft 5 in
J	1.57	5 ft 2 in	1.70	5 ft 7 in

3.2 - MACHINE COMPACT 12DX (COMPACT 3368RT)

Working area / Range of motion



4 - AS - CE standard specificities

The following tests must be performed after :

- A major technical intervention.
- An accident due to major component failure on the machine.

• The following tests must be performed by a qualified person in secure conditions.

• The 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)
COMPACT 10DX (COMPACT 2668RT)	1557	706,25
COMPACT 12DX (COMPACT 3368RT)	1240,1	562,50
H12SX(L) (HS3388RT(XL))	1929	875
H15SX(L) (HS4388RT(XL)) H18SX(L) (HS3388RT(XL))	1377,8	625

The machine must not show any signs of permanent distortion.

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

4.2 - FUNCTIONAL TEST

Functional tests have confirmed the following: :

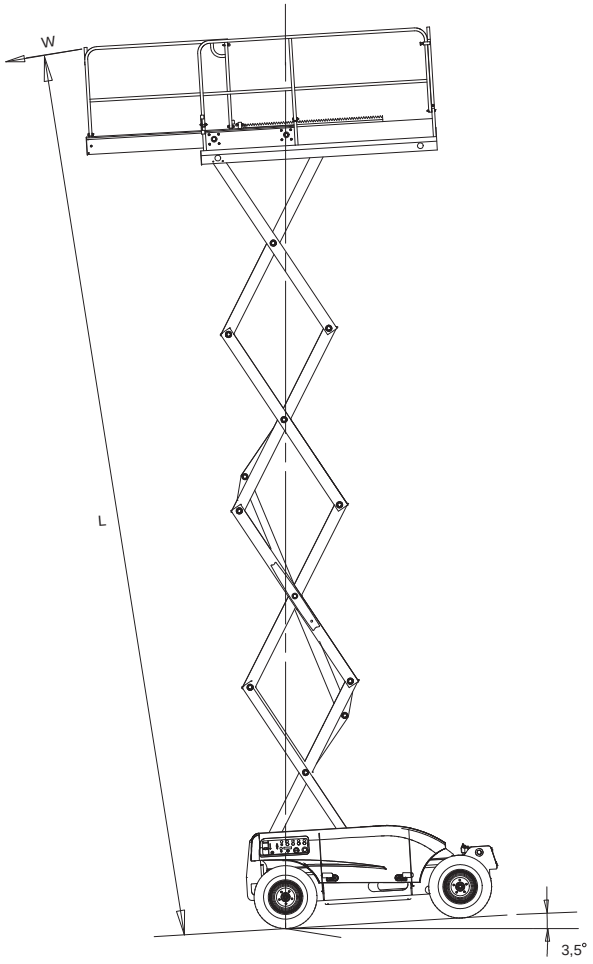
- The machine has performed all movements without jerking, while carrying the nominal load.
- All security systems are operating correctly.
- Maximum authorized operating speeds are not exceeded.

4.3 - STABILITY TEST

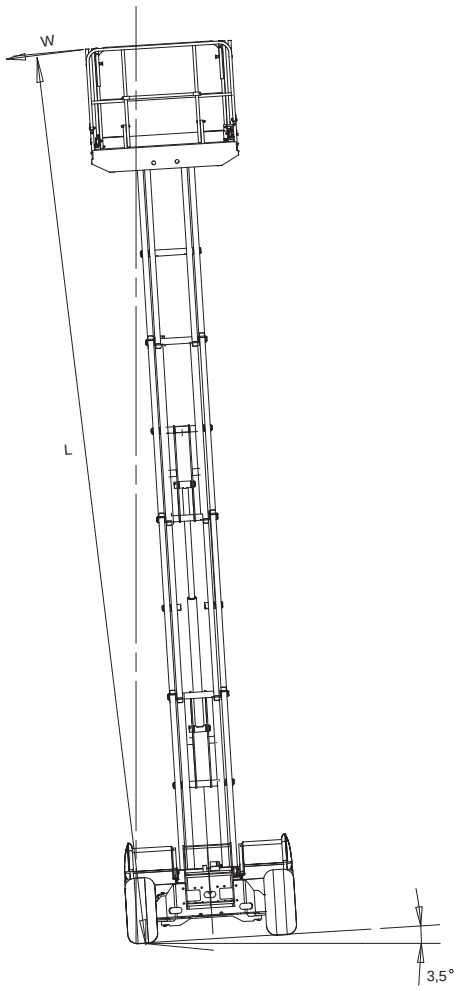
The stability test proves that the machine is stable in an unfavourable position. The moment when the machine tips is calculated by combining loads in the machine's most unfavourable position (load W applied over distance L).

Stability for COMPACT 10/12DX (COMPACT 2668/3368RT)

LONGITUDINAL POSITION



TRANSVERSAL POSITION



G - Technical specifications

Stability table for COMPACT 10DX (COMPACT 2668RT)

	T (°)	W		L		Moment of tipping over
		Pound (lb)	Kilogramme (kg)	Feet inch (ft in)	Mètre (m)	Déca Newton Mètre (DaN.m)
Horizontal (1)	3,5	362	164	31-9	9,70	1592
Vertical (2)	3,5	311.5	141.5	31-5	9,60	1356

Stability table for COMPACT 12DX (COMPACT 3368RT)

	T (°)	W		L		Moment of tipping over
		Pound (lb)	Kilogramme (kg)	Feet inch (ft in)	Mètre (m)	Déca Newton Mètre (DaN.m)
Horizontal (1)	3,5	340	154	37-8	11,50	1772
Vertical (2)	3,5	304	138	37-4	11,40	1582