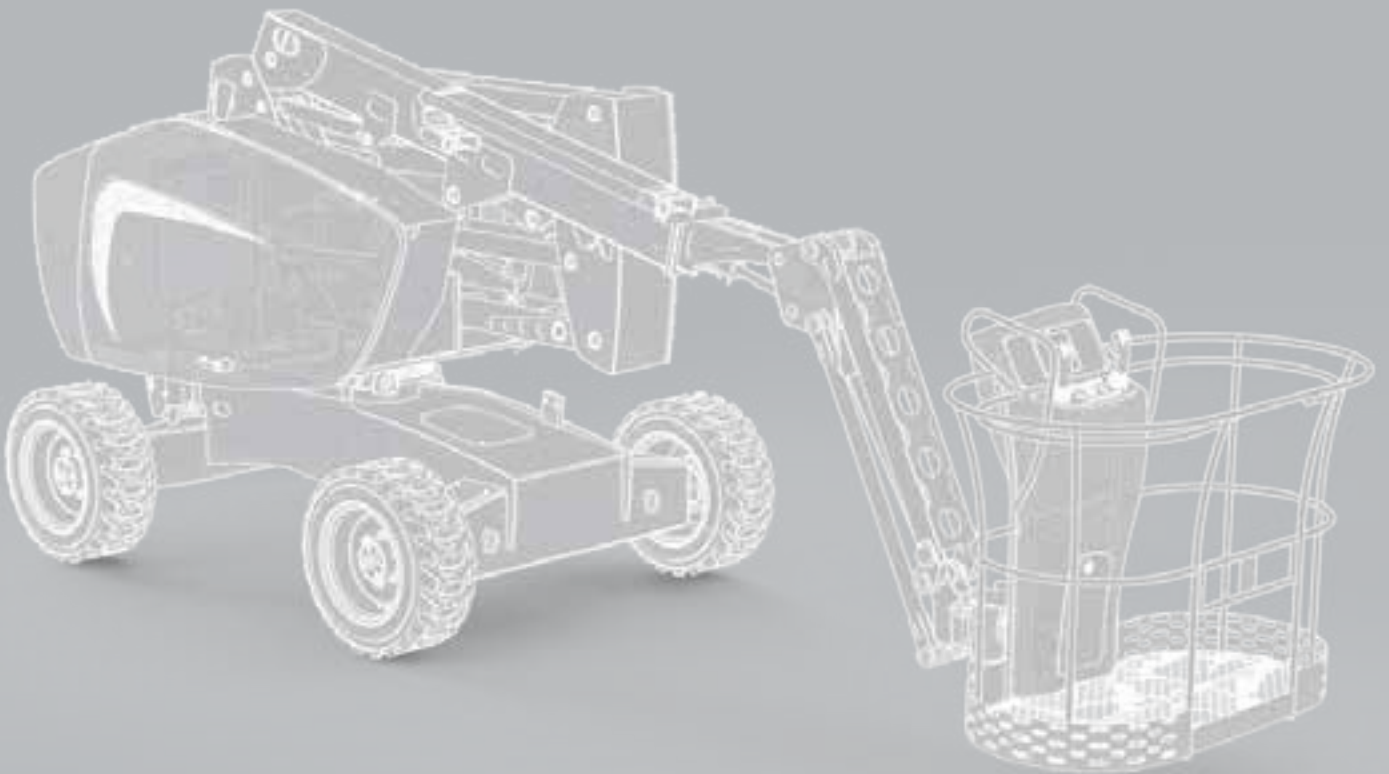


USER

MANUAL

SELF-PROPELLED ARTICULATED PERSONNEL ELEVATING PLATFORM

ABL 12 **ABL 14** **ABL 16** **ABL 12** **ABL 14** **ABL 16**



ABOUT US

Hisarlar was established in 1974 as a family company. In total 148.000 m² three factory area of 600+ people, operating with its corporate structure, internationally recognized “product-management-production” certified according to the requirements of the standard, is a large organization that adds value to Turkey.

Hisarlar, Turkey’s first tractor cab manufacturer, the first soil tillage agricultural machinery, the first 4x4 vehicle manufacturer, has become a brand as an important OEM manufacturer that carries out precision productions such as chassis, body and other welded jointing parts for important construction machinery brands, equipment manufacturers, defense industry and railway equipment manufacturers that have made a name for themselves in the global market by concentrating their increasing experience and capabilities on heavy metal processing.

Hisarlar also has Turkey’s first agricultural machinery R&D Center, which has developed with its own design and production capabilities in the Agricultural Machinery sector since 1985, and continues to design and implement innovative and value-added products in the field of agricultural mechanization to address all stages of agriculture.

OUR VISION & MISSION

Our Vision:

Positioning ourselves at the optimum point on the value chain with our superior products.

Our Mission:

To meet the needs of our customers and stakeholders with our high-tech production and strong organizational competence, ensuring sustainability in stakeholder satisfaction through our pursuit of operational excellence.

EC DECLARATION OF CONFORMITY



Manufacturer's:

Name : Hisarlar Makina Sanayi Ve Ticaret Anonim Şirketi
Address : Hisar Mah. 1047 Cd. No:2 Tepebaşı / Eskişehir, Türkiye
Phone : +90 222 411 24 30
Fax : +90 222 411 22 47
web : www.hisarlar.com.tr

Name and Address of the Person authorised to compile the technical file:

Name : Ali Osman Akbaş
Address : Hisar Mah. 1047 Cd. No:2 Tepebaşı / Eskişehir, Türkiye

The undersigned declares that the described products meet the essential requirements of the below mentioned standards as based on *Machinery Directive 2006/42/EC, Electromagnetic Compatibility Directive 2014/30/EU*.

The item of equipments which identified below has been subject to internal manufacturing checks with monitoring of the final assesment by *HİSARLAR MAKİNA SANAYİ VE TİCARET ANONİM ŞİRKETİ*.

MACHINE DESCRIPTION

SELF-DRIVE ARTICULATED BOOM LIFT

MODELS

ABL12, ABL14, ABL16, ABL12 E-drive, ABL14 E-drive, ABL16 E-drive

APPLICABLE REGULATIONS

2006/42/EC MACHINE DIRECTIVE

2014/30/EU ELECTROMAGNETIC COMPATIBILITY DIRECTIVE

APPLICABLE STANDARDS

EN ISO 12100:2010; EN 60204-1:2018; EN 61000-6-2:2019 and EN 61000-6-4:2019, EN 280-1:2022

NOTIFIED BODY ACCORDING TO MACHINERY DIRECTIVE ANNEX IX AND CERTIFICATE NUMBER:

KTÜV AUSTRIA NOTIFICATION NO/ TUV AUSTRIA NOTIFICATION NO: 2737

ADRES/ADDRESS: ÇAMLIK MAH. İKBAL CAD. DİNÇ SK. NO:28 PK:34774 ÜMRANİYE/İSTANBUL/TURKEY

TÜV AUSTRIA NOTIFICATION NO 2737 RESPONSIBLE FOR MACHINERY DIRECTIVE ANNEX IX EC-TYPE EXAMINATION

(TÜV AUSTRIA SERTİFİKA /CERTIFICATE NO: 23-MD-TEC-099-TAT-2024-004)

Signed on be half of the manufacturer:

Name : Serdar Karel
Position : Quality And R&D Director
Place/Date : Eskişehir - Türkiye 16.07.2024

Signature

:

INFORMATION TO BE FILLED IN WHILE THE MACHINE IS DELIVERED:

MODEL NAME :

Self-drive Articulated Boom Lift - 12m
Self-drive Articulated Boom Lift - 14m
Self-drive Articulated Boom Lift - 16m
Self-drive Articulated Boom Lift E-drive - 12m
Self-drive Articulated Boom Lift E-drive - 14m
Self-drive Articulated Boom Lift E-drive - 16m

MODEL CODE :

ABL12 ☐
ABL14 ☐
ABL16 ☐
ABL12 E-drive ☐
ABL14 E-drive ☐
ABL16 E-drive ☐

SERIAL NUMBER

PRODUCTION YEAR

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About the Manual
Technical Changes
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Intended Use
Contacting the Manufacturer
Transfer of Ownership of the Machine
Operation of the Machine
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Classification of Hazards

01

GENERAL INFORMATION

About the Manual

These operating instructions have been prepared to help you use your machine safely and efficiently. The manual must be read carefully before using the machine for the first time.

This manual is intended for the efficiency of the machine, first intervention in case of possible malfunctions and relevant information. For this reason, it must be kept in an easily accessible place during use of the machine.

If the machine is sold, the operating instructions must be handed over to the new owner so that this information can be used.

The information, warnings and rules given in the manual prepared considering.

The user has the sufficient level of professional experience and education. In addition to the information contained in the content, local and it is essential to comply with the regulations of national professional associations on general occupational health and safety issues.

This user manual is intended for use with all models of Mote Lift brand Hydrostatic Articulating Platform machines. Therefore, there may be differences between the information given in the content and your machine.

In addition to the topics in the content, you can contact HİSARLAR Customer Services or HİSARLAR authorized services for detailed information.

HİSARLAR CUSTOMER SERVICE



Hisar, 1047 Cd. No:2 26550
Tepebaşı/Eskişehir, Türkiye



Tel: +90 222 411 24 30
Faks: +90 222 411 22 47

Technical Changes

All information and technical values in this manual; printing Valid on the date. Working with the principle of continuous development and improvement, HİSARLAR reserves the right to change product specifications at any time without notice.

After the delivery of the machine,

In case of any changes to the technical documentation; HİSARLAR will send you the documents containing the added information in line with customer demand.

Changed sections of the document must be added to the manual for correct and safe use of the machine.

Product Identity

The machine identification label is located on the left side of the machine riveted to the body.

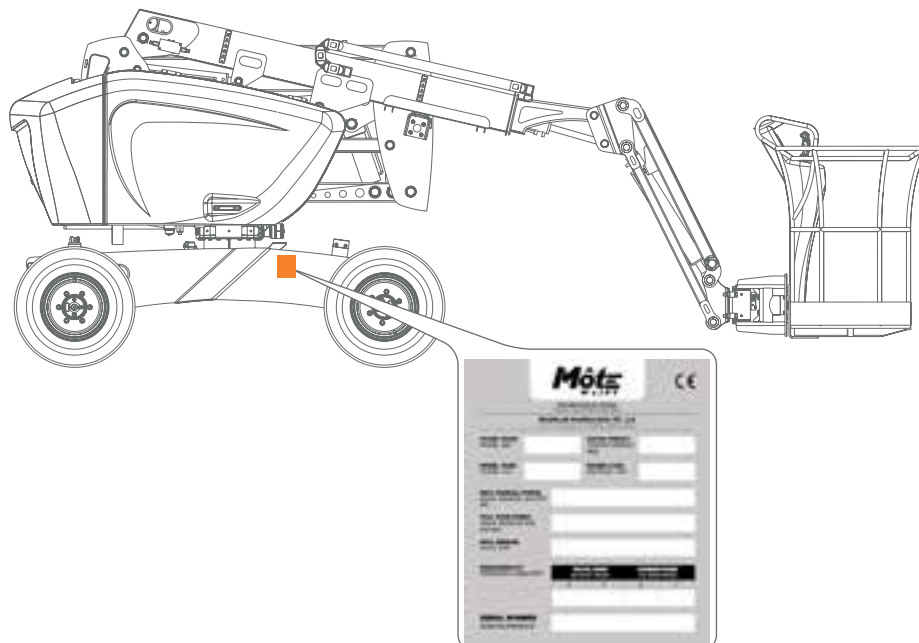
Always use your machine serial number in all your transactions so that you can make your spare parts, technical support and other after-sales transactions correctly and easily.

Never deform the label with the serial number and do not remove it.

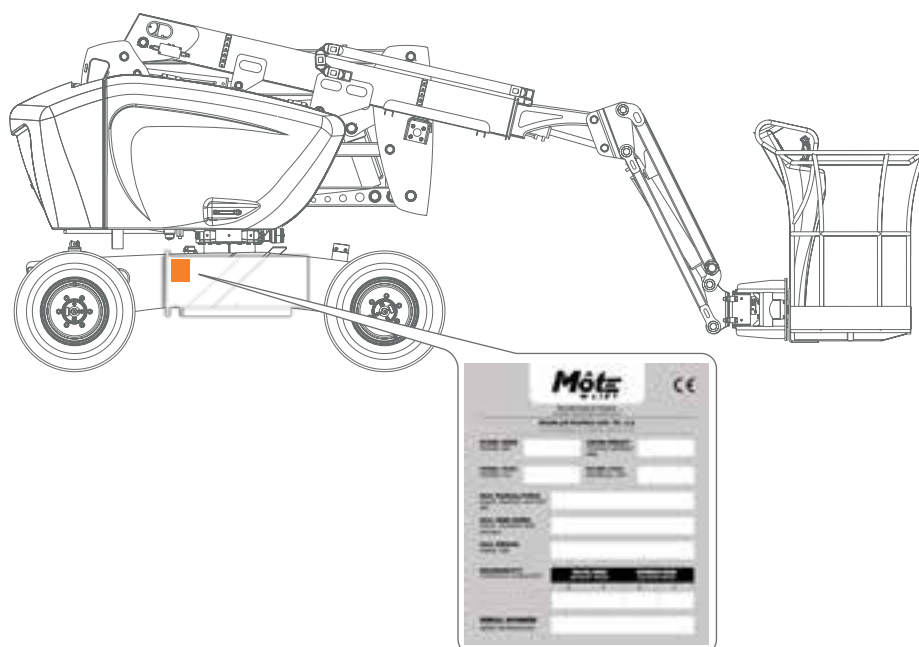
On the machine identification label;

- Model name,
- Model year,
- Unloaded weight,
- Nominal load,
- Manual force,
- Maximum wind speed,
- Maximum number of people,
- Climbing ability
- Serial number information is available.

Diesel Models;



E-drive Models;



Intended Use

This machine is designed to lift tools and materials with personnel to access

work areas at height.

Contacting the Manufacturer

When you contact Mote Lift, you must provide the model number and serial number on your machine, along with your name and contact information.

Example situations where a connection with Mote Lift is required:

- Incident Notice,
- Product application and safety questions,

- Information on compliance with standards and regulations
- Updates such as transfer of ownership of the machine or changes to your contact details

In case of change of ownership of the machine, see the next section.

Transfer of Machinery Ownership

Updating the ownership information guarantees that you receive important safety, maintenance and operating information about your machine on time.

Please register your machine by visiting our website at www.motelift.com or by calling us at 444 77 57.

Operation of the Machine

Danger

Failure to follow the instructions and safety rules in this manual could result in death or serious injury.



- Do not operate the machine unless the following conditions are met.
- » To learn and apply the principles of safe machine operation in the manual.
 1. Avoid dangerous situations.
 2. Learn and thoroughly understand the safety rules before moving on to the next section.
 3. Always carry out an inspection before starting.
 4. Always perform function tests before use.
 5. Check the work area.
 6. Use this machine only for the purpose for which it was designed.
 - » You must read, the manufacturer's instructions and safety rules, understand and comply with the safety manual, the operator's manual and the machine labels.
 - » You must read, understand and comply with the employer's safety rules and workplace regulations.
 - » You must read, understand and comply with all applicable legal regulations.
 - » You must have received the relevant training to operate this machine safely.

Maintenance of Safety Labels

You can replace missing or damaged safety labels by contacting the manufacturer. Always prioritize operator safety. Use mild soap and water to clean safety labels.

Do not use solvent-based cleaning agents as they may damage the material used to make the safety labels.

Classification of Hazards

The labels on this machine display various symbols,

Color codes and cautionary statements to identify the following:

Safety Warning Symbol

Warns you of possible personal injury hazards. Observe all safety messages following this symbol to avoid possible injury or death.



	Red	Potential mortality risk
	Orange	Risk of serious injuries
	Yellow	Risk of material damage / minor injuries
	Green	Maintenance and operation info
	Other	Additional technical info



General Safety

*Explanations of Symbols and
Hazard Indicators*

Label Locations

Personal Safety

*Personal Protection Against
Falling*

Working Area Safety

Electrical shock hazards

Toppling hazard

Hazards of working on slopes

Falling hazards

Collision hazards

Hazard of physical injuries

Explosion and fire hazard

*Hazards caused by damaged
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Component Damage Hazards

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02

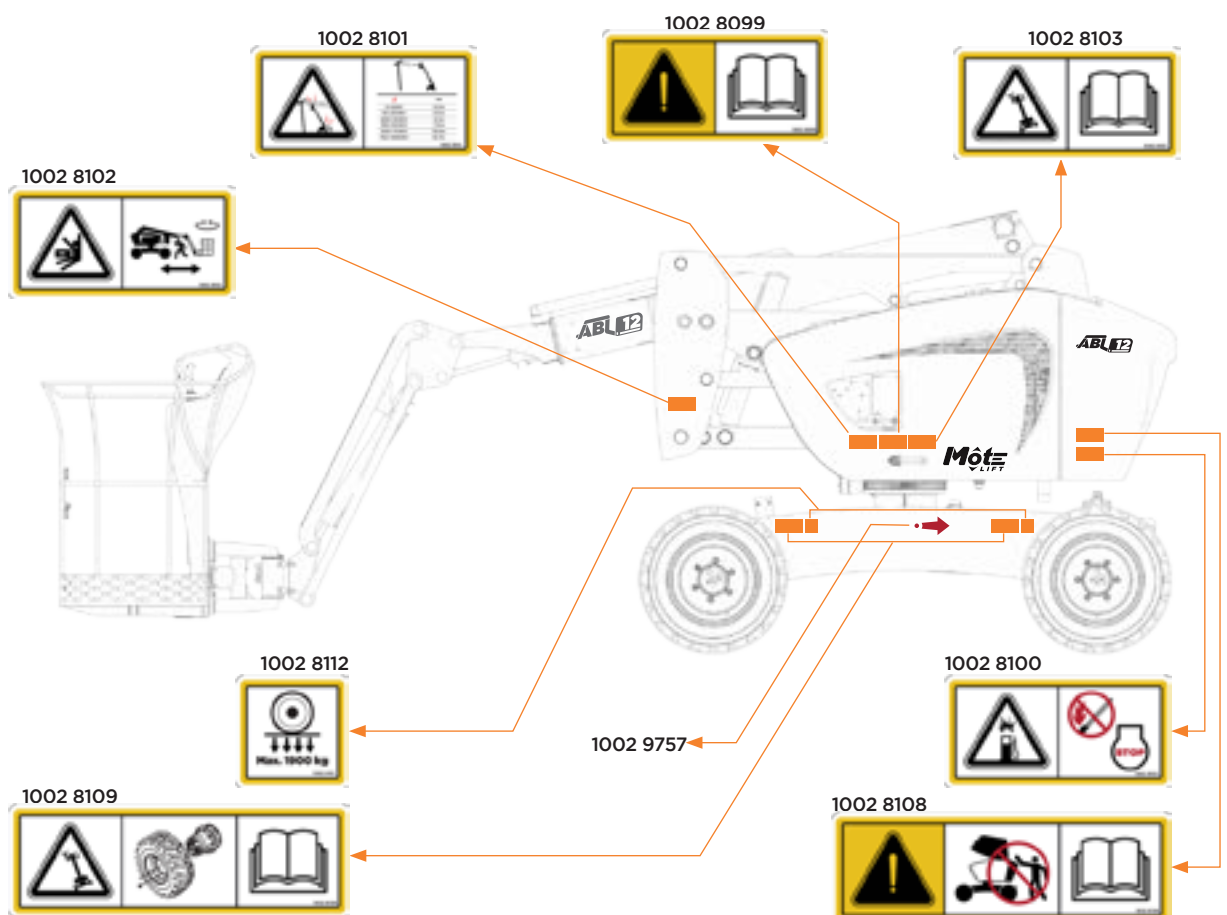
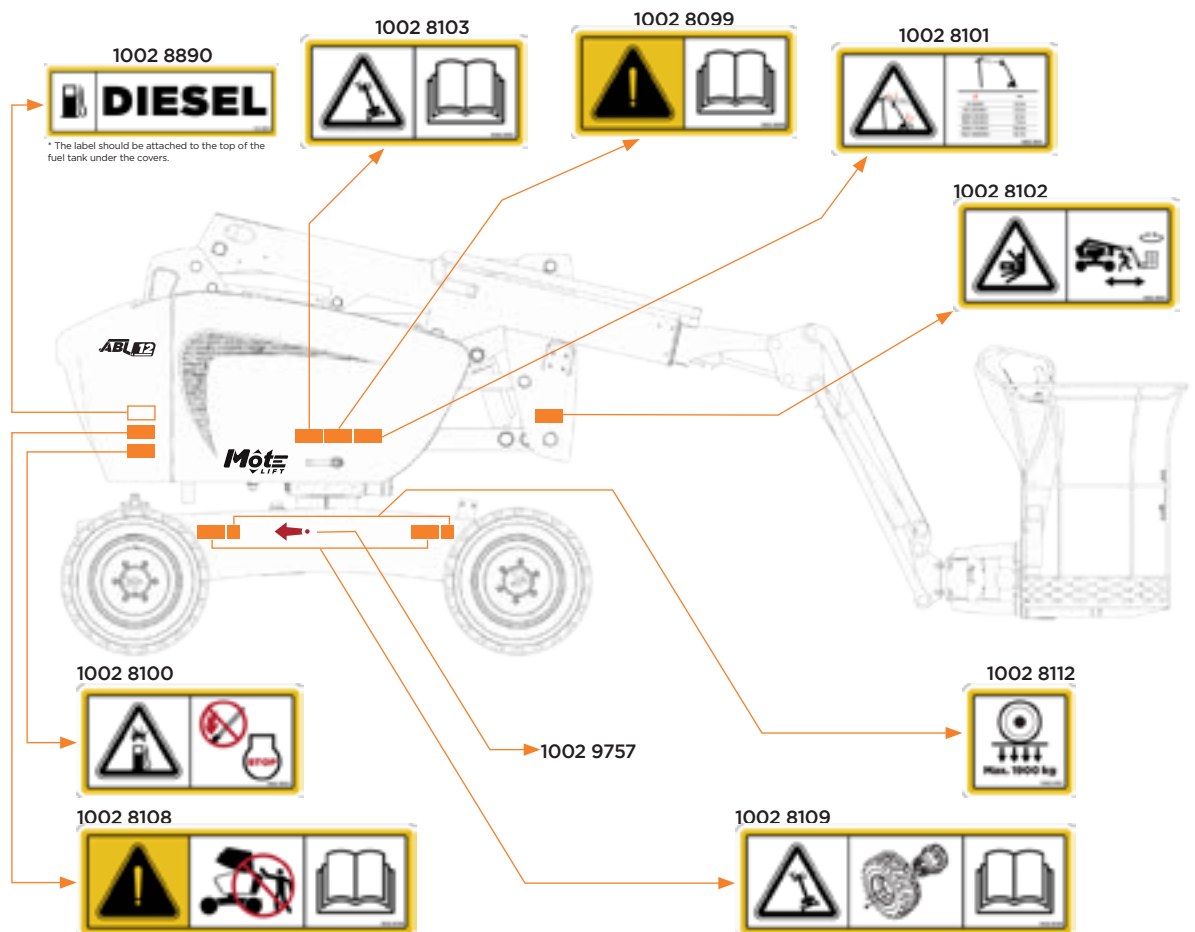
SAFETY INFORMATION

General Safety

Explanations of Symbols and Hazard Indicators

Crush Hazard	Explosion Hazard	Danger of Impact	Danger of Impact
Danger of Running Back	Danger of Tipping Over	Danger of Tipping Over	Raise the platform on solid, even ground
Danger of Electrical Shock	Keep the Required Distance	Color-coded Work Mode	Maximum Load
Wind Speed	Manual Force	Only Trained Maintenance Personnel Should Access the Compartments	No Smoking Do Not Approach with Fire Stop the Engine
	Yükselmiş konumdayken eğim alarmı çaldığında kurtarma prosedürü		
Read the user manual	Platform Tilt Up Pos: 1) Lower the first one. 2) Lower the second one. 3) Pull the first one back. Platform Tilt Down Pos: 1) Pull the first one back. 2) Lower the second one. 3) Lower the first one.		Tire Load
Tow rope attachment point	Replace the tires with tires of the same specs.	Voltage to the platform	Pressure value of air line to the platform

Label Location



LABEL NUMBER	QUANTITY
1002 8089	1
1002 8090	1
1002 8092	4
1002 8093	2
1003 0014	2
1002 8599	2
1002 8749	2
1003 0017	2
1002 9269	2
1002 8094	3
1003 0015	3
1002 8600	3
1002 8094	3
1003 0018	3
1002 9270	3
1002 8095	1
1002 8484	1
1002 8098	1
1002 8099	3
1002 8100	2
1002 8101	3
1002 8102	4
1002 8103	3
1002 8104	1
1002 8105	1
1002 8106	1
1002 8107	2
1002 8108	2
1002 8109	4
1002 8110	1
1002 8111	1
1002 8112	4
1002 8777	1
1002 8890	1
1002 9919	1
1002 9920	1
1002 9757	3
1002 9918	1
1002 9930	1
1002 9931	1
1002 9932	2

1002 8095
E-drive: 1002 8484

1002 8092

ABL12: 1002 8094
ABL14: 1003 0015
ABL16: 1002 8600

ABL12 E-drive: 1002 8094
ABL14 E-drive: 1003 0018
ABL16 E-drive: 1002 9270

ABL12: 1002 8093
ABL14: 1003 0014
ABL16: 1002 8599
ABL12 E-drive: 1002 8749
ABL14 E-drive: 1003 0017
ABL16 E-drive: 1002 9269

1002 9757



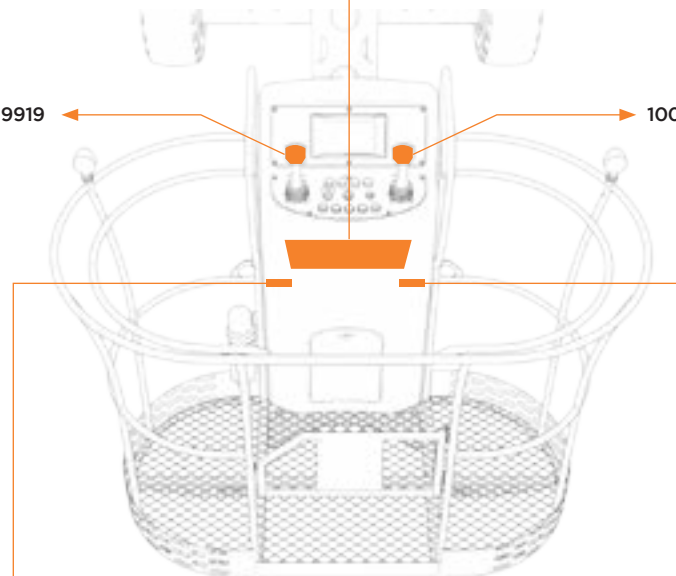
1002 8102

1002 8110

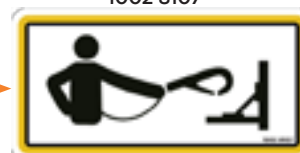


1002 9919

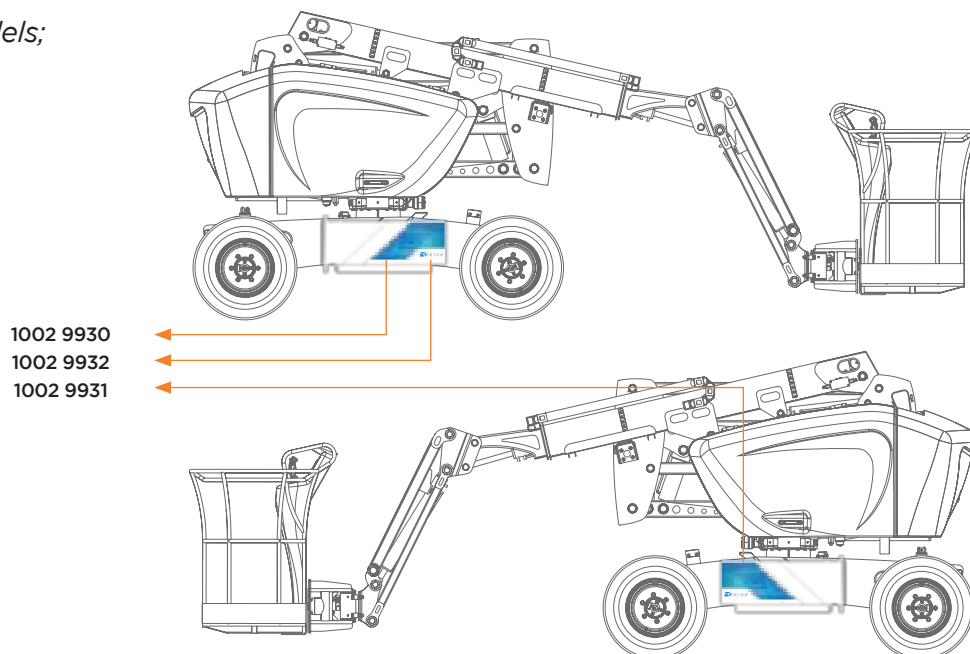
1002 9920



1002 8107



Only E-drive models;



Personal Safety

Personal Protection Against Falling

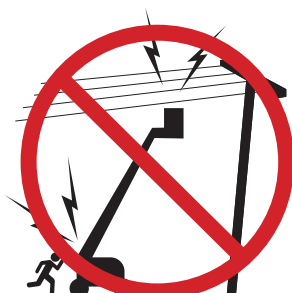
Personal fall protection equipment (PPE) must be worn when operating this machine.

Persons in the vehicle must use a safety belt or safety harness in accordance with legal regulations. Attach the rope to the fastener on the platform.

Operators must comply with employer and workplace rules and legal regulations on the use of personal protective equipment.

It is imperative that all PPE complies with applicable legal regulations and is inspected and used in accordance with the PPE manufacturer's instructions.

Working Area Safety



Electrical Shock Hazards

This machine is not insulated against electrical energy and therefore does not protect against contact or proximity to electric current.

Comply with all local and state regulations regarding the mandatory distance from electric power lines. As a minimum, the mandatory distances specified in the table below must be observed.

Line Voltage	Mandatory Distance
0-50KV	3,05m
50-200KV	4,60m
200-350KV	6,10m
350-500KV	7,62m
500-750KV	10,67m
750-1000KV	13,72m

Leave enough space for the platform to move, for electrical cables to swing or hang freely, and be careful in high winds or storms.

If the machine comes into contact with energized power lines, stay away from the machine. Personnel on the ground or on the platform must not touch or operate the machine until the electrical power lines are switched off.

Toppling Hazards



The total weight of workers, equipment and materials on the platform must not exceed the maximum platform capacity or the maximum platform capacity of the platform extension.

Maximum Platform Capacity	230 kg
Max. Number of Staff	2

The weight of options and accessories such as pipe skids, panel skids and welding machines reduce the rated

capacity of the platform and the total platform load must be calculated by subtracting these weights. Refer to the stickers supplied with options and accessories.

If you use accessories, read, understand and follow the stickers, instructions and manuals supplied with the accessory.

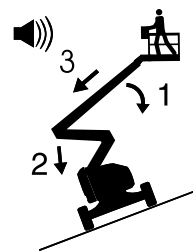
Do not raise or extend the boom unless the machine is on a hard, even surface.

Do not rely on the slope alarm as a level indicator. The slope alarm sounds on the platform only when the machine is on a very steep slope.

If the tilt alarm sounds when the boom is lowered: Do not extend, rotate or raise the boom above horizontal level. Place the machine on a hard, level surface before raising the platform.

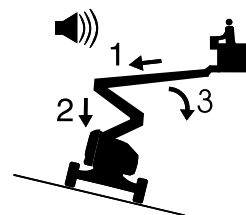
Be extremely careful if the tilt alarm sounds when the platform is raised. The Machine Not Level indicator lamp will light and the driving functions in one or both directions will not work. Determine the position of the boom on the slope as shown below. Perform the steps necessary to lower the boom before moving to a hard, level surface.

Do not rotate the boom when lowering.



If the tilt alarm sounds when the platform is in the incline up position:

1. Lower the first boom.
2. Lower the second boom.
3. Pull back the first boom.



If the tilt alarm sounds when the platform is in the incline down position:

1. Pull back the first boom.
2. Lower the second boom.
3. Lower the first one.

Do not raise the boom when wind speed may exceed 12.5 m/s.

If the wind speed exceeds 12.5 m/s with the boom raised, lower the boom and do not continue to operate the machine.



Do not operate the machine in extremely windy or stormy weather conditions. Do not increase the surface area or load of the platform. Increasing the area exposed to the wind will destabilize the machine.

Use extreme caution and reduce the speed of the machine when driving the machine in the collected position over rough terrain, over piles of debris, on unstable or slippery surfaces, near pits and ditches.



Do not drive the machine on or near rough terrain, uneven surfaces or other hazardous conditions with the boom raised or extended.

Do not use this machine as a crane.

Do not push the machine or other objects with the boom.

Avoid boom contact with nearby structures.

Do not attach the boom or platform to nearby structures.

Do not place loads so that they protrude beyond the perimeter of the platform.

Do not push or pull any object outside the platform.

Maximum allowed manual force - 400N



Do not replace factory-installed tires with tires with different specifications or tread grades.

Do not make any modifications or alterations to the aerial work platform without the prior written permission of the manufacturer. Mounting attachments used to hold tools or other materials on the platform, skirt boards or guard rail system may increase the weight and surface area of the platform or the load on the platform.

Do not place or attach any fixed or suspended load to any part of this machine.

Do not place a ladder or scaffolding inside the platform or any part of this machine.



Hazards of Working on Slopes

Do not drive the machine on slopes that exceed the machine's maximum upslope, downslope or side slope ratio. The slope ratio applies only to machines in the huddled position.

Max. tilt ratio, gathered position, 2WD (2-wheel drive)

Platform inclination in down pos.	%20 (12°)
Platform inclination in up pos.	%45 (24°)
Side Slope	%5 (3°)

Max. tilt ratio, gathered position, 4WD (4-wheel drive)

Platform inclination in down pos.	%40 (22°)
Platform inclination in up pos.	%45 (24°)
Side Slope	%5 (3°)

Note: The degree of gradient depends on ground conditions and adequate traction. Refer to Driving on a Slope in the Operating Instructions section.

Falling Hazards

Persons in the vehicle must use a safety belt or safety harness in accordance with legal regulations. Attach the rope to the fastener on the platform.



Do not descend from the platform when it is elevated.



Do not sit, lean or climb on the platform railing bars. Always stand firmly on the platform floor.



Make sure that there are no foreign objects on the floor of the platform.

Lower the platform entrance center rail or close the entrance door before operation.

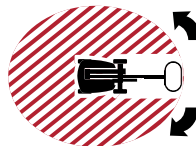
Do not enter or leave the platform unless the machine is in the collected position and the platform is at ground level.

Collision Hazards

When driving or operating the machine, remember that there is limited visibility and many blind spots.



Consider boom position and tail swing when turning the rotary table.



Check the work area for obstructions and other possible hazards in the upper areas.

Operators must comply with employer and workplace rules and legal requirements when using personal protective equipment.

Observe and use the color-coded directional arrows on the platform controls and driving frame for driving and turning functions.

Do not lower the boom until you are sure that there are no personnel or obstacles in the area below it.

Limit walking speed according to the condition of the ground surface, road congestion, gradient, position of



personnel and all other factors that may cause a collision.



Do not operate a boom in the same path as a crane without disabling the crane control devices and/or taking the necessary precautions to avoid a potential collision.



Do not make demonstrative driving attempts or play pranks/hand jokes while operating the machine.

Hazards of Physical Injury

Always use the machine in a well-ventilated area to avoid carbon monoxide poisoning.

Do not operate the machine if the machine has a hydraulic oil leak or air leak. Air leakage or hydraulic oil leakage can penetrate and/or burn the skin.

Improper contact with the components under any cover can lead

to serious injury.

Only trained maintenance personnel should access the compartments. It is recommended that the operator only access when performing a pre-start inspection. All compartments must be kept closed and secured during operation.

Explosion and Fire Hazards

Do not start the engine if you smell or notice diesel fuel or any other explosive substance.

Do not refuel the machine while the engine is running.

Refuel the machine and charge the battery only in an open, well-ventilated area and away from flames, fires and lit cigarettes.

Do not operate the machine or charge the battery in hazardous locations or where flammable or explosive gases or particles may be present.

Do not spray ether on engines equipped with spark plugs.

Hazards Caused by Damaged Machinery

Do not use damaged or defective machines.

Perform a pre-start inspection of the machine and test all functions before each shift.

Immediately mark and remove damaged or defective machines from service.

Ensure that all maintenance operations are carried out as specified

in this manual and the relevant Mote Lift service manuals.

Make sure all stickers are in place and legible.

Make sure that the operator, safety and responsibilities manuals are complete and legible and that they are located in the storage pocket on the machine.

Component Damage Hazards

Do not use battery chargers above 12V to charge the batteries.

The machine must not be used as a base for welding.

Do not operate the machine in areas where very high magnetic fields are likely to be present.

Battery Safety

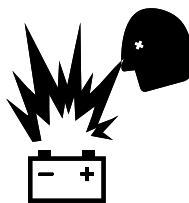
Batteries contain acid. Always wear protective clothing and goggles when working on batteries.



Do not allow battery acid to spill and avoid contact with battery acid. Neutralize spilled battery acid with sodium bicarbonate and water.

Fire Hazards

Keep sparks, flames and lit cigarettes away from batteries. Batteries emit explosive gas.



Explosion Hazards



After Use

1. Choose a safe parking location
- a firm, level surface with no obstructions or driveways.
2. Pull the boom back and lower it to the retracted position.
3. Rotate the turntables so that the boom is between the

uncontrollable wheels.

4. Turn the ignition switch to OFF and remove the key to prevent unauthorized use.

Model Information

General Dimensioning

Machine Direction

General Machine Structure

Controllers

Checkpoints

Pre-Operation

Functions

Working Area

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Instructions for Use

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Emergency Stop

Emergency Power

Emergency Landing Pump

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Operating on the platform

After Each Use

Transportation and Lifting

Instructions

Warnings

For Crane Pulling

*Fixing to Truck or Trailer for
Transport*

Lifting Instructions

03

**TECHNICAL
INFORMATION**

Model Information

This user manual covers all of the models listed below. However, upon customer request and different power

some parts, accessories used for capacity values and features may not be available on your machine.

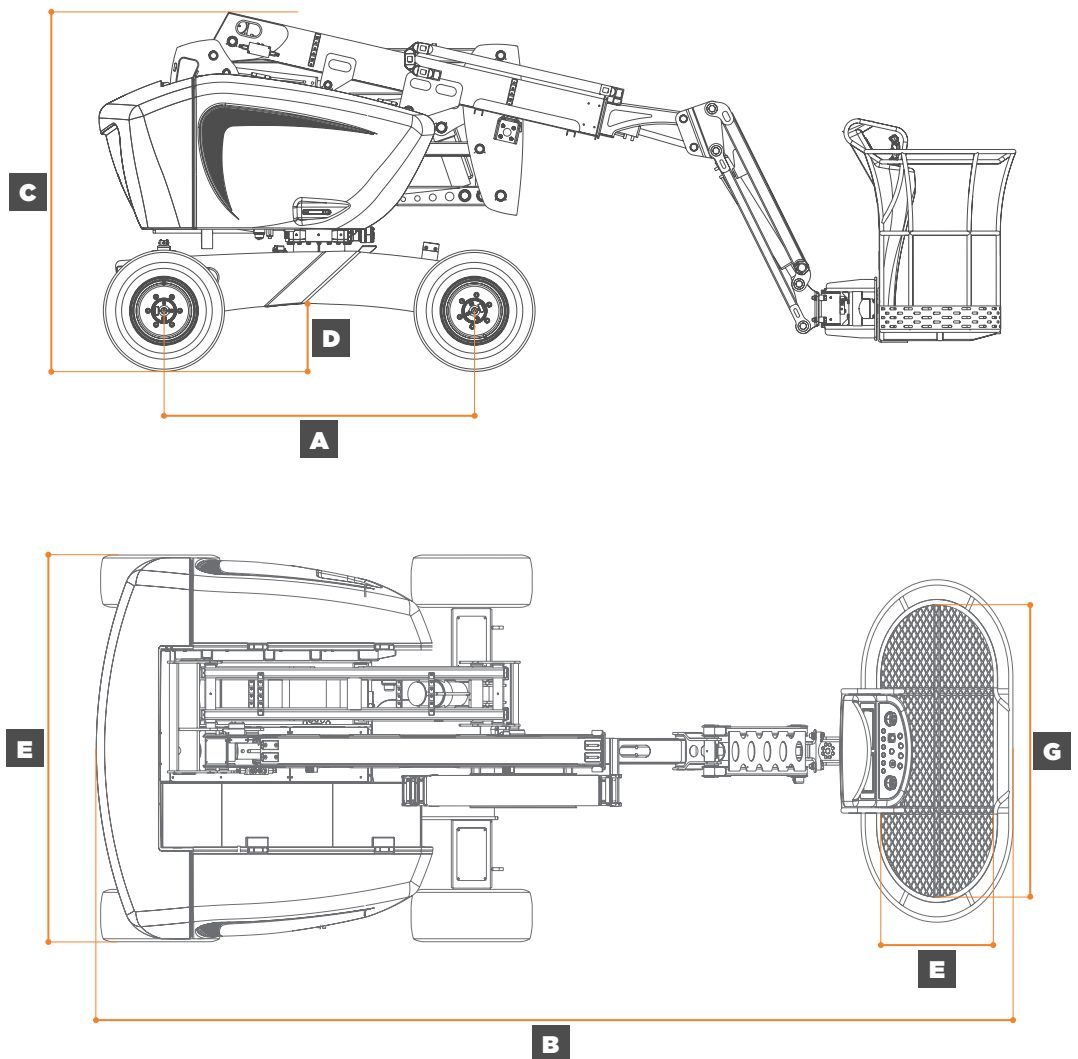
TECHNICAL DATA / MODEL	ABL12	ABL14	ABL16
<i>Engine Type</i>	Dizel - Kubota D1305 18,5 kW	Dizel - Kubota D1305 18,5 kW	Dizel - Kubota D1305 18,5 kW
<i>Diesel Tank Capacity</i>	50 L	50 L	50 L
<i>Oil Tank Capacity</i>	120 L	120 L	120 L
<i>Weight</i>	4600 kg	kg	6200 kg
<i>Drive x Steer</i>	4WD / 2 WD	4WD / 2 WD	4WD / 2 WD
<i>Auxiliary Power Unit</i>	Manual Pump	Manual Pump	Manual Pump
<i>Max Working Height</i>	12,4 m	14 m	16 m
<i>Platform Height</i>	10,4 m	12 m	14 m
<i>Length - stowed</i>	5,8 m	6,3 m	7 m B
<i>Height - stowed</i>	2,3 m	2,3 m	2,3 m C
<i>Max Horizontal Reach</i>	6,7 m	7,7 m	8,7 m
<i>Platform Capacity</i>	230 kg	230 kg	230 kg
<i>Platform Length</i>	0,75 m	0,75 m	0,75 m F
<i>Platform Width</i>	1,5 m	1,5 m	1,5 m G
<i>Width</i>	2 m	2 m	2 m E
<i>Wheelbase</i>	2 m	2 m	2 m A
<i>Ground Clearance</i>	43 cm	43 cm	43 cm D
<i>Drive speed - stowed</i>	5 km/h	5 km/h	5 km/h
<i>Raised retracted</i>	0,75 km/h	0,75 km/h	0,75 km/h
<i>Gradeability - stowed</i>	% 45	% 45	% 45
<i>Tyres</i>	10-16.5 Foam Filled	10-16.5 Foam Filled	10-16.5 Foam Filled
<i>Jib movement</i>	140°	140°	140°
<i>Platform rotation</i>	175°	175°	175°
<i>Turret Rotation</i>	350°	350°	350°

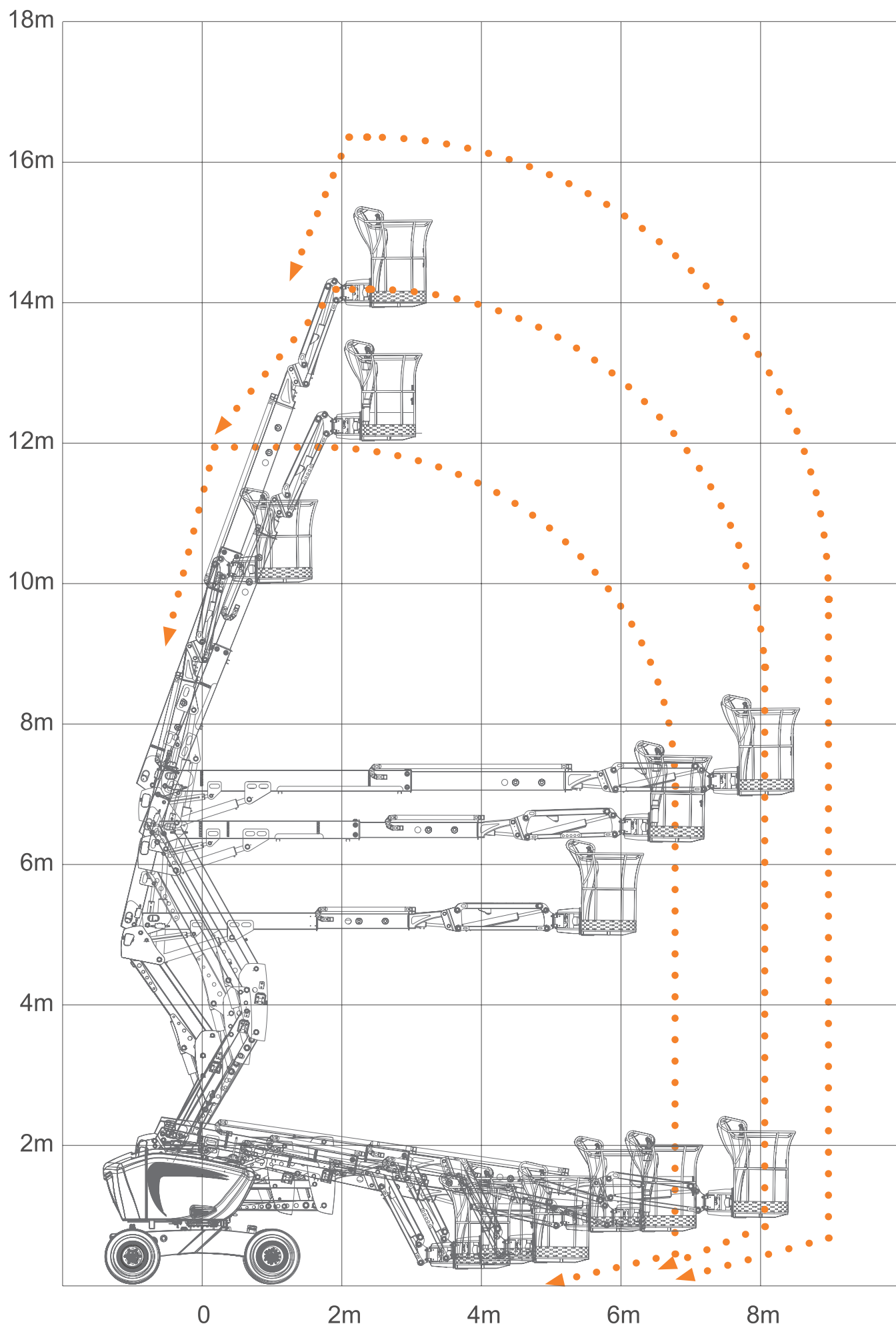
TECHNICAL DATA / MODEL	ABL12 E-drive	ABL14 E-drive	ABL16 E-drive
<i>Engine Type</i>	DANA Spicer E-drive Torque - Hub eS-AW	DANA Spicer E-drive Torque - Hub eS-AW	DANA Spicer E-drive Torque - Hub eS-AW
<i>Diesel Tank Capacity</i>	48 V 210 Ah Lityum	48 V 210 Ah Lityum	48 V 210 Ah Lityum
<i>Oil Tank Capacity</i>	95-265 V 50 Amp	95-265 V 50 Amp	95-265 V 50 Amp
<i>Weight</i>	50 L	50 L	50 L
<i>Drive x Steer</i>	4600 kg	kg	6200 kg
<i>Auxiliary Power Unit</i>	4WD	4WD	4WD
<i>Max Working Height</i>	12,4 m	14 m	16 m
<i>Platform Height</i>	10,4 m	12 m	14 m
<i>Length - stowed</i>	5,8 m	6,3 m	7 m B
<i>Height - stowed</i>	2,3 m	2,3 m	2,3 m C
<i>Max Horizontal Reach</i>	6,7 m	7,7m	8,7 m

<i>Platform Capacity</i>	230 kg	230 kg	230 kg
<i>Platform Length</i>	0,75 m	0,75 m	0,75 m
<i>Platform Width</i>	1,5 m	1,5 m	1,5 m
<i>Width</i>	2 m	2 m	2 m
<i>Wheelbase</i>	2 m	2 m	2 m
<i>Ground Clearance</i>	43 cm	43 cm	43 cm
<i>Drive speed - stowed</i>	5 km/h	5 km/h	5 km/h
<i>Raised retracted</i>	0,75 km/h	0,75 km/h	0,75 km/h
<i>Gradeability - stowed</i>	% 45	% 45	% 45
<i>Tyres</i>	8.15-15 K����� Dolgulu	8.15-15 K����� Dolgulu	8.15-15 K����� Dolgulu
<i>Jib movement</i>	140��	140��	140��
<i>Platform rotation</i>	175��	175��	175��
<i>Turret Rotation</i>	350��	350��	350��

General Dimension

The general dimensioning includes the overall dimensions and important dimensions of the machine. The dimensions are indicated by letters.

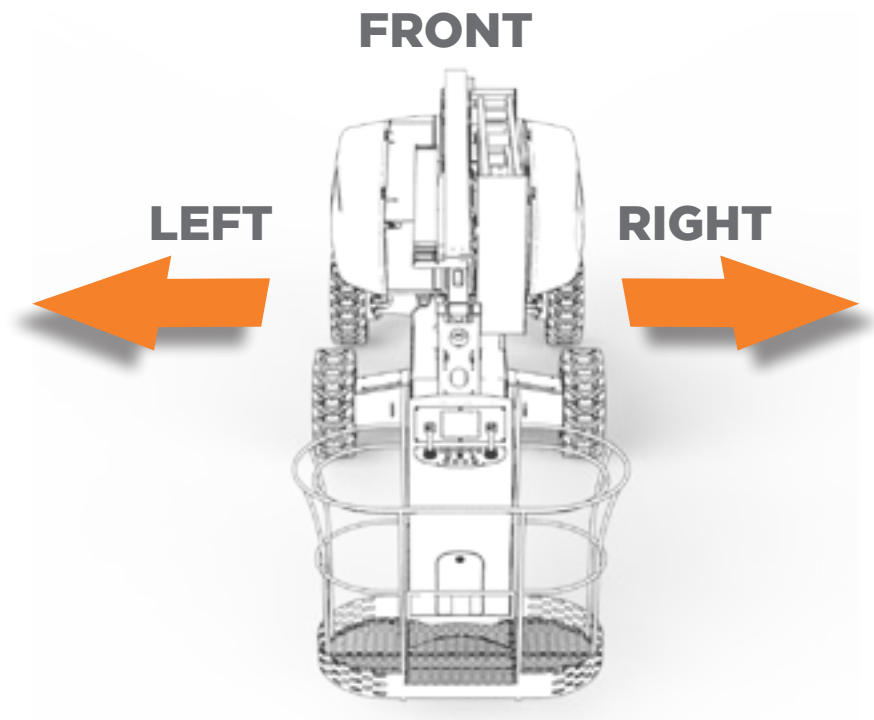
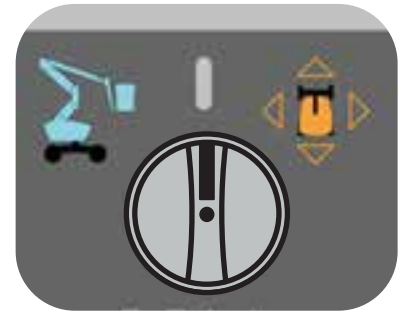




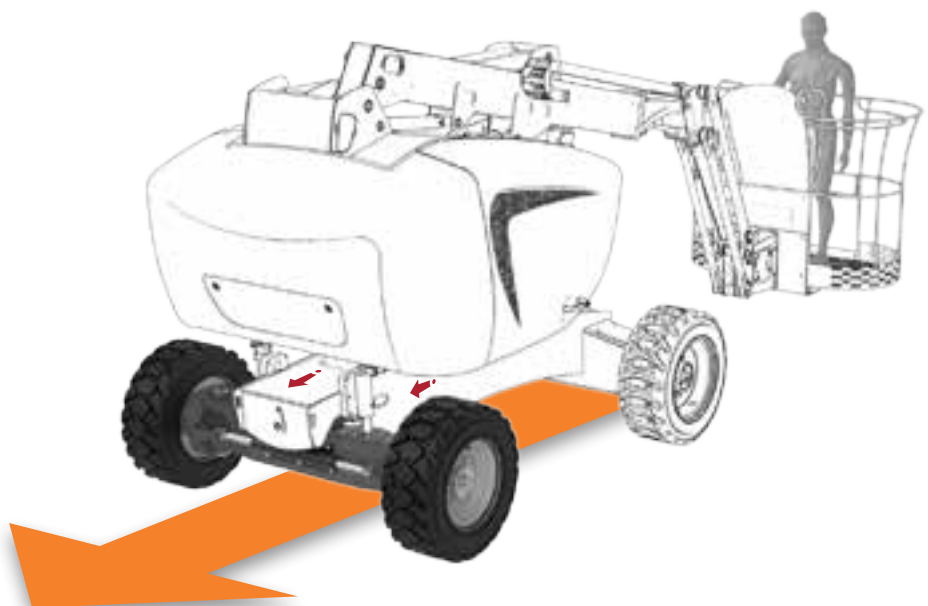
Machine Direction

It is possible to consider the concept of direction in Mobile Platform machines when the machine is in travel mode.

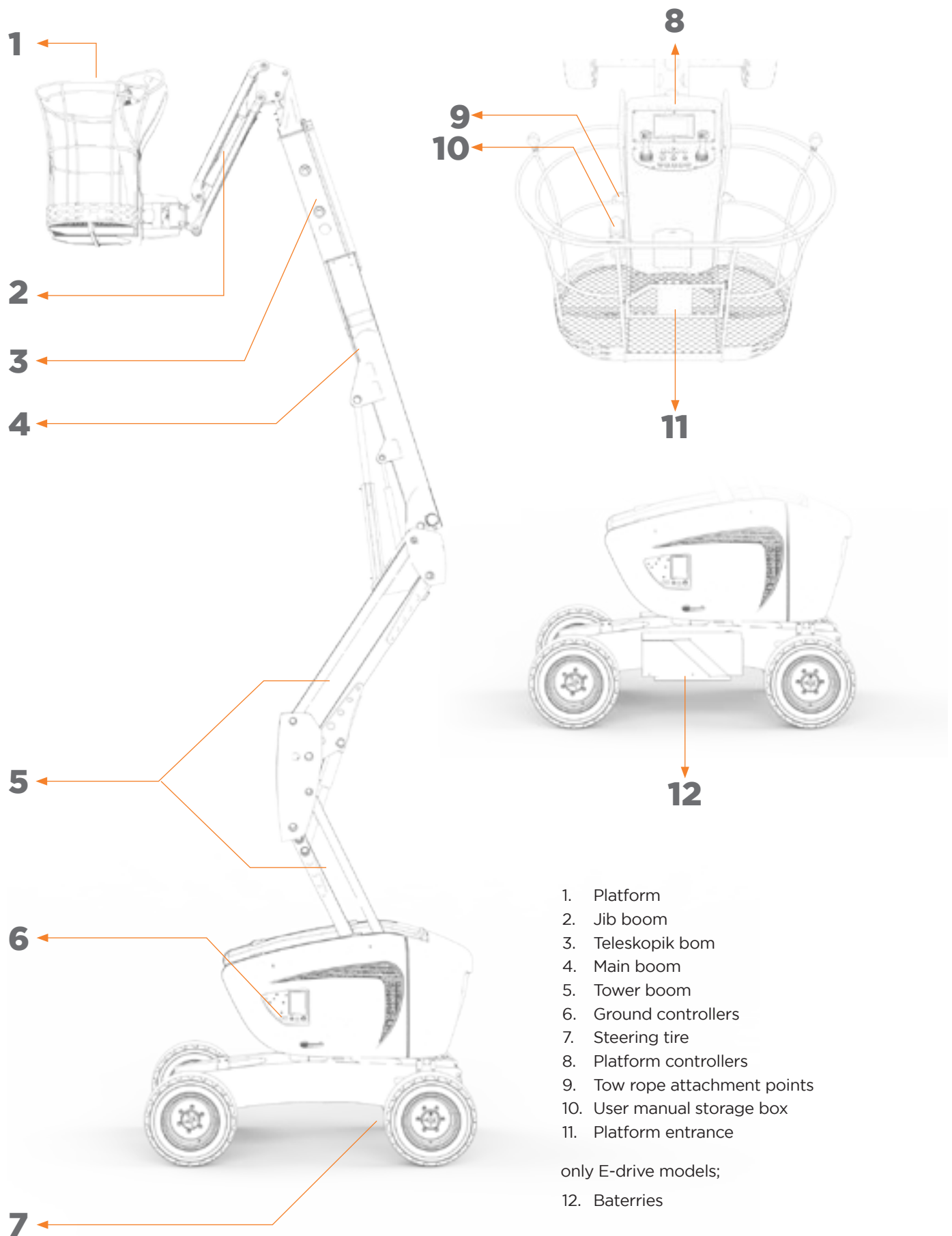
The terms FRONT, RIGHT and LEFT are used when the camera is in travel mode. These terms are shown below and are always used in the same way.



In the travel position, the steer tire must be positioned in front of the operator inside the platform.

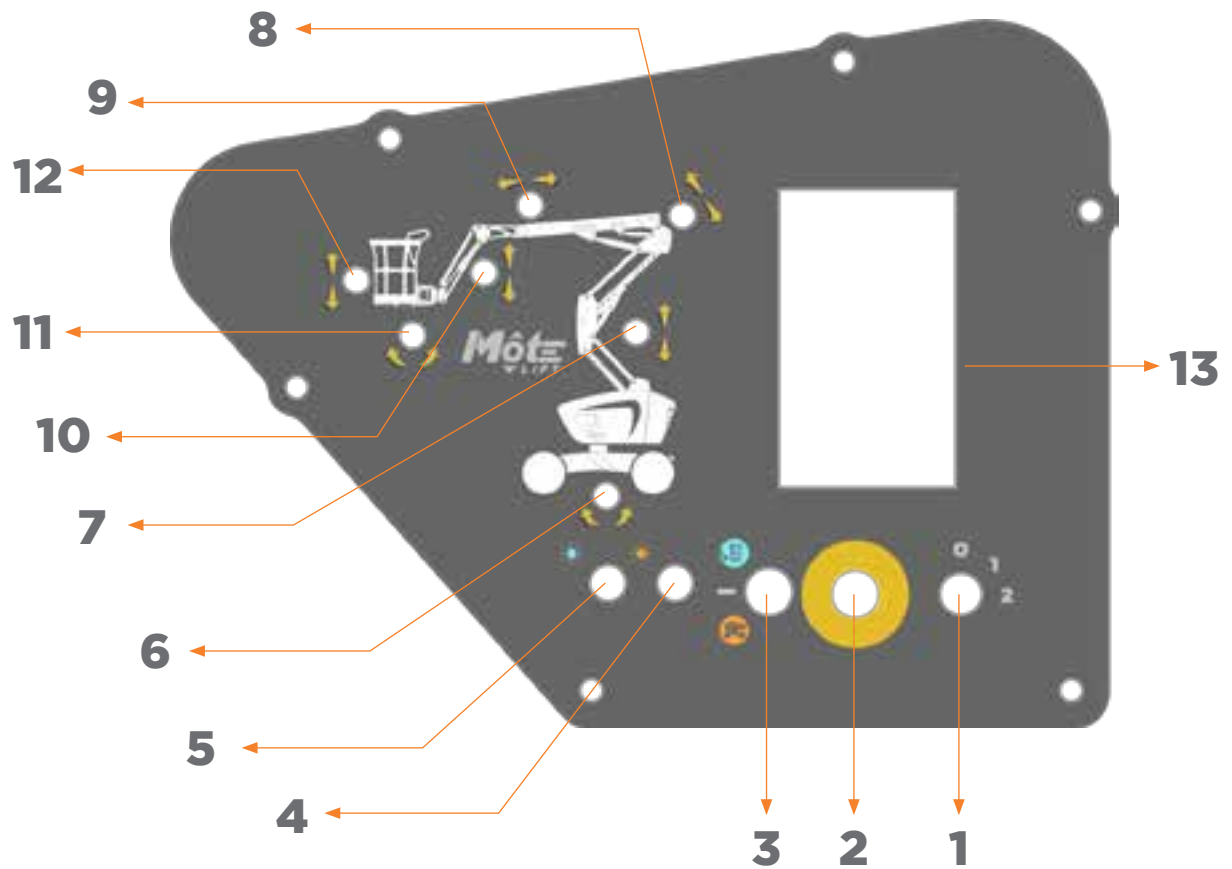


General Structure of the Machine



Controllers

Tower Controller



- | | |
|--------------------------------------|--|
| 1. Engine start button | 8. Main boom up/down switch |
| 2. Emergency Stop Button | 9. Telescopic boom extension/retraction switch |
| 3. Travel/Work mode selection switch | 10. Jib boom up/down switch |
| 4. Travel mode activation light | 11. Platform Level Switch |
| 5. Operaiton mode activation light | 12. Platform Rotation Switch |
| 6. Turntable rotation switch | 13. LED Screen |
| 7. Tower boom up/down switch | |

1. Engine Start Button

To start the engine, move the engine starter switch to either side.

2. Emergency Stop Button

Push the red Emergency Stop button to the OFF position to stop all functions and stop the engine. Pull the red Emergency Stop button to the ON position to start the machine.

3. *Travel/Work mode activation switch*

When you turn the key to the platform position, the platform controls operate. When you turn the key to the OFF position, the machine turns off. Travel switch position, the panel controls will operate.



4. *Travel mode activation light*

The warning lamp illuminates when the key is in travel mode.

5. *Operation mode activation light*

The warning lamp illuminates when the key is in operating mode.

6. *Turntable rotation switch*

When you move the turntable rotation switch to the right, the turntable rotates to the right. When you move the turntable rotation switch to the left, the turntable rotates to the left

7. *Tower boom up/down switch*

When you move the tower boom up/down switch up, the tower boom rises. When you move the tower boom up / down switch down, the tower boom lowers.

8. *Main boom up/down switch*

When you move the main boom up/down switch up, the boom rises. When you move the main boom up/down switch down, the boom lowers.

9. *Teleskopik bom uzatma/geri çekme anahtarı*

When you move the telescopic boom extension/retraction switch to the right, the telescopic boom retracts. When you move the telescopic boom extension/retraction switch to the left, the first boom extends back.

10. *Jib boom up/down switch*

When you move the jib boom switch up, the jib boom rises. When you move the jib boom switch down, the jib boom lowers.

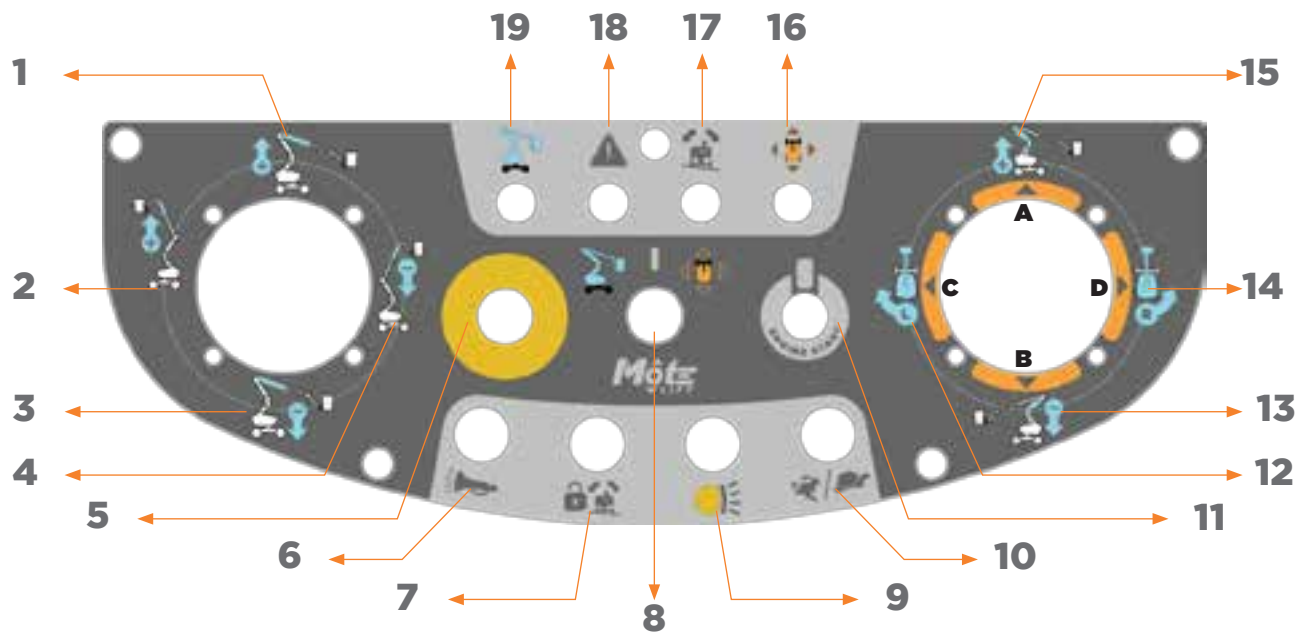
11. *Platform level switch*

When you move the platform level switch up, the platform rises. When you move the platform level switch down, the platform level goes down.

12. *Platform Rotation Switch*

When you move the platform rotation switch to the right, the platform rotates to the right. When you move the platform rotation switch to the left, the platform rotates to the left.

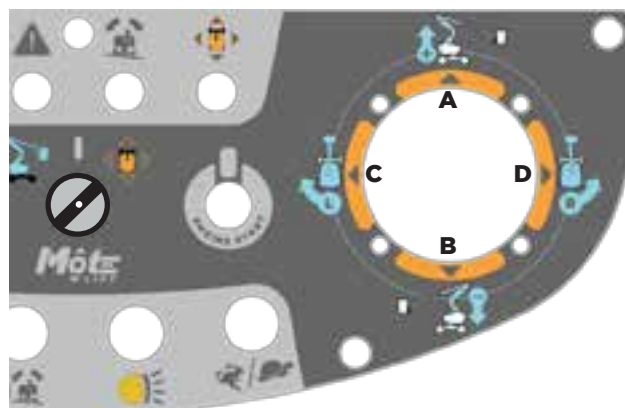
13. *LED Screen*



- | | |
|--------------------------------------|-------------------------------------|
| 1. Main boom up | 11. Engine start button |
| 2. Telescopic boom extension | 12. Turntable left turn |
| 3. Main boom down | 13. Tower boom down |
| 4. Telescopic boom retraction | 14. Turntable right turn |
| 5. Emergency Stop Button | 15. Tower boom up |
| 6. Horn Button | 16. Travel mode activation light |
| 7. Axle oscillation lock on/off | 17. Vehicle stability warning light |
| 8. Travel/Work mode selection switch | 18. Warning light |
| 9. Tower work light on/off | 19. Operation mode activation light |
| 10. Speed mode selection button | |

Travel Mode

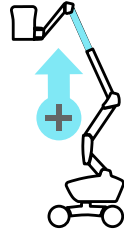
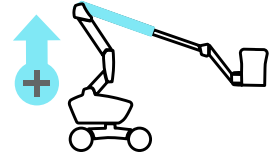
When the machine is in travel mode, only the joystick on the right side of the platform control panel is active. The joystick is used for machine movement and steering as follows.



- A: Forward
B: Back
C: Left
D: Right

1. Main boom up

When the control lever on the left side of the control panel is moved forward while the operating mode is selected, the Main Boom moves upwards.

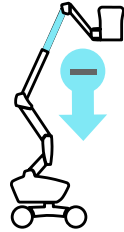
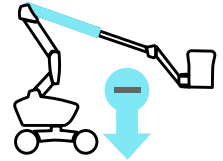


2. Telescopic boom extension

When the control lever on the left side of the control panel is moved to the left while the operation mode is selected, the Telescopic Boom will extend.

3. Main boom down

When the control lever on the left side of the control panel is moved backwards while the operating mode is selected, the Main Boom moves downwards.



4. Telescopic boom retraction

When the control lever on the left side of the control panel is moved to the right while the operation mode is selected, the Telescopic Boom will retract.

5. Emergency stop button

Push the red Emergency Stop button to the OFF position to stop all functions and stop the engine. Pull the red Emergency Stop button to the ON position to start the machine.

6. Horn button

Pressing this button will sound the horn, releasing the button will silence the horn.

7. Vehicle stability lock

When you move the tower boom up/down switch up, the tower boom will rise. When you move the tower boom up/down switch down, the tower boom will lower.

8. Travel/Work mode selection switch

Anahtarı platform konumuna getirdiğinizde platform kumandaları çalışır. Anahtarını kapalı (OFF) konumuna getirdiğinizde makina kapanır. Anahtarı seyahat konumuna getirdiğinizde pano kumandaları çalışır.

9. Work light on/off when on the ground

When you press this button, the work lamp on the machine body is switched on and the light on the button indicates that the lamp is active. Pressing the button again will turn off the work lamp.

10. Engine idle speed selector switch

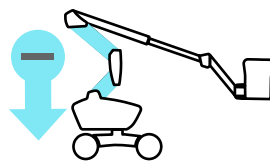
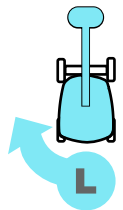
Pressing this button will activate the engine low idle speed (Tortoise). Pressing the button again will switch the engine to high idle speed (Rabbit).

11. Engine start button

This button must be pressed to start the engine.

12. Turntable left turn

When the operating mode is selected, the rotary table rotates to the left when the control lever on the right side of the control panel is moved to the left.

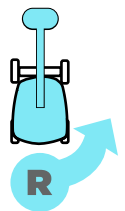


13. Tower boom down

When the operating mode is selected, when the control lever on the right side of the control panel is moved forward, the tower boom moves upwards.

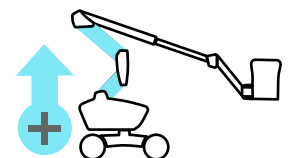
14. Turntable right turn

When the operating mode is selected, the rotary table rotates to the right when the control lever on the right side of the control panel is moved to the right.



15. Tower boom up

When the control lever on the right side of the control panel is moved backwards while the operating mode is selected, the tower boom moves downward.



16. Travel mode activation light

The warning lamp illuminates when the key is in travel mode.

17. Vehicle stability warning light

18. Warning Light

19. Operation mode activation light

The warning lamp illuminates when the key is in operating mode.

Checkpoints

Pre-Operation

Pre-start checks and routine maintenance in full is the responsibility of the operator.

Pre-start checks consist of visual inspections by the operator before each shift. The checks are designed to determine if there are any visible problems before functional checks are carried out.

The pre-start check is also used to determine whether routine maintenance procedures are required. Only routine maintenance procedures specified in the manual should be performed by the operator.

Check the items on the proposed list.

In case of any damage or modification by unauthorized persons after delivery

from the factory, the machine must be marked and must not be used.

Repairs to the machine must be carried out in accordance with the manufacturer's specifications and only by authorized services.

After the repairs have been completed, the operator must perform the pre-start-up check again before starting the function checks.

Scheduled maintenance checks must only be carried out by authorized services in accordance with the manufacturer's instructions and the requirements specified in the operating instructions.

Checklist

- The operator must ensure that the operator's manuals are complete and legible and are kept in the storage pocket on the platform.
 - Ensure that all safety labels are legible and in the correct position. Please refer to the Controls section.
 - Check for hydraulic oil leakage and sufficient oil. You can add oil if necessary. Please refer to the maintenance section.
 - Check the battery for fluid leakage and for an adequate amount of fluid. If necessary you can add pure water. Please refer to the maintenance section.
 - Check that there are no oil leaks and that there is sufficient oil in the engine. You can add oil if necessary. Please refer to the Maintenance section.
 - Check that there are no engine coolant leaks and that the coolant level is appropriate. You can add coolant if necessary. Please refer to the Maintenance section.
 - ABL12, ABL14 and ABL16 10-16.5 with foam-filled pneumatic tires: Check that the tire pressure is correct. You can pump in air if necessary. Please refer to the maintenance section.
- Check the following components and areas for damage, incorrectly installed or missing parts and unauthorized modification:
- Electrical components, wiring and electrical cables,

- Hydraulic hoses, fittings, cylinders and manifolds,
- Fuel and hydraulic tanks,
- Drive and rotary table motors and drive hubs,
- Abrasion pads,
- Tires and wheels,
- Engine and related components,
- Limit switches and horn,
- Alarms and warning indicators (if equipped),
- Nuts, bolts and other fastening materials,
- Platform entrance center bar or door,
- Tow rope attachment point,

- Make sure that all structural components and other important components are present, that all relevant fasteners and pins are where they should be and that they are properly tightened.
- After completing the inspection, make sure that all component doors are in place and locked.

Check the entire machine for the following conditions:

- Cracks in welds and structural components,
- Dents or damaged areas on the machine,
- Excessive rusting, corrosion or oxidation,

Functions

Function checks are carried out to detect existing faults before the machine is put into service. To test the machine functions, the instructions must be followed step by step.

If any malfunction is detected, the machine must not be used, the malfunction must be marked and removed from service.

Repairs on the machine must only be carried out by authorized service centers in accordance with the requirements specified by the manufacturer.

After repairs have been completed, the operator must perform pre-start checks and function checks again before putting the machine into service.

Tower Control Functions

1. Select a stable, level and obstacle-free test area.
2. Turn the ignition switch to the floor control position.
3. Pull the red Emergency Stop button to the ON position.

Result: The warning indicator (if present) should flash.

4. Start the engine. Refer to the Instructions for Use section.

Emergency Stop Test;

5. Push the red Emergency Stop button to the OFF position.

Result: The engine shuts down after 2 to 3 seconds.

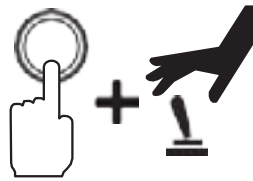
6. Pull the red Emergency Stop button to the ON position and restart the engine.

Testing Machine Functions

7. Do not press and hold the

function activation button.
Try to activate the boom and
platform function toggle switch.

*Result: No boom and platform
function should work.*



8. Press and hold the function
enable button and activate

each boom and platform
function toggle switch.

*Result: Boom and platform functions
must all operate for a full cycle. The
lowering alarm sounds when lowering
the boom.*

Platform Control Functions

Emergency Stop Test;

1. Turn the key to the platform
control position and restart the
engine.
2. Push the platform red
Emergency Stop button to the
OFF position.

*Result: Engine shuts down after 2 to 3
seconds.*

3. Pull out the red Emergency
Stop button and restart the
engine.

Testing the Horn;

4. Press the horn button.

Result: The horn should sound.

Testing Machine Functions;

5. Turn the selection switch on the
control panel to the operating
mode.
6. Press the deadman button on
the joystick.
7. Activate each machine function
using the joysticks.

*Result: The boom and platform
functions must all run for a full cycle.*

Testing the Steering Wheel

8. Turn the selection switch on the
control panel to travel mode.
9. Press the deadman button on
the right joystick.
10. Using the right joystick, move
it slowly left and right in the
direction of the arrows shown
on the control panel.

*Result: The controllable wheels must
rotate in the direction indicated by the
orange arrows shown on the control
panel on the driving chassis.*

Testing the Drive and Brake System;

11. Turn the selection switch on the
control panel to travel mode.
12. Press the deadman button on
the right joystick.
13. Slowly move the right joystick
in the direction indicated by the
orange arrows on the control
panel until the machine starts to
move, then return the joystick
to its center position.

*Result: The machine should move
in the direction indicated by the
arrow on the driving frame, then stop
abruptly.*

Testing Limited Driving Speed;

14. Turn the selection switch on the
control panel to the operating
mode.
15. Press the deadman button on
the joystick.
16. Raise the tower boom about
60 cm.
17. Turn the selection switch on the
control panel to travel mode.
18. Slowly move the right joystick
to the full drive position.

Result: The maximum achievable

driving speed with the tower boom raised should not exceed 40 cm/sec.

19. Lower the tower boom to the assembled position.
20. Raise the main boom about 60 cm.
21. Slowly move the drive control lever to the full drive position.

Result: The maximum achievable driving speed with the main boom raised should not exceed 40 cm/sec.

22. Lower the main boom to the retracted position.
23. Extend the telescopic boom by about 30 cm.
24. Slowly move the drive control lever to the full drive position.

Result: The maximum achievable driving speed with the first boom raised should not exceed 30 cm/sec.

25. Pull the boom back to the stacking position.

If the travel speed exceeds 40 cm/s with the tower boom raised, the main boom raised or the telescopic boom extended, immediately mark and remove the machine from service.

Testing the Oscillating Axle;

26. Start the engine from the platform controls.
27. Drive the controllable wheel on the right side onto a 15 cm block or obstacle.

Result: The other three tires must remain in full contact with the ground.

28. Drive the controllable Wheel on the left side onto a 15cm block or obstacle.

Result: The other three tires must remain in full contact with the ground .

29. Drive both controllable wheels over a 15 cm block or obstacle

Result: Uncontrollable wheels must remain in full contact with the ground.

Testing the Travel / Work Mode Selection Function;

30. Set the Travel / Work Mode Selector Switch to travel mode.

31. Move the Right joystick away from the center and make any boom movement from the Left joystick.

Result: No boom function should operate. The machine will move in the direction of the orange arrows shown on the control panel.

Clear all faults before using the machine.

Working Area

The work area inspection helps the operator to determine whether the work area is suitable for machine use. The operator must perform this inspection before taking the machine to the work area.

It is the operator's responsibility to read and remember the section on workplace hazards, then to pay attention to and avoid them during operation, and to set up and operate the machine.

Checklist

Be aware of and avoid dangerous conditions below:

- ditches or pits,
- impact, ground obstacles or debris pile,
- inclined surfaces,
- unstable or slippery surfaces,
- obstacles and high-voltage conductors at the top,
- hazardous places,
- surface support that is not sufficient to withstand the load forces caused by the machine,
- wind and adverse weather conditions,
- presence of unauthorized personnel,
- other possible unsafe situations.

The Safety Labels

Use the pictures on the next page to verify that all stickers are in place and legible.

Below is a numbered list with quantity and description information.

Label No	Label Description	QTY
1002 8089	TOWER CONTROL PANEL	1
1002 8090	PLATFORM CONTROL PANEL	1
1002 8098	MOTE LIFT MACHINE IDENTIFICATION LABEL	1
1002 8099	READ THE USER MANUAL LABEL	3
1002 8100	EXPLOSION HAZARD LABEL	2
1002 8101	ELECTRIC SHOCK LABEL	3
1002 8102	TURNING AREA WARNING LABEL	4
1002 8103	TOPPLING HAZARD GUIDE LABEL	3
1002 8104	BEING OUT OF THE BA SKET LABEL	1
1002 8105	BACK ESCAPE HAZARD LABEL	1
1002 8106	INCLINE ALARM LABEL	1
1002 8107	TOW ROPE ATTACHMENT POINT LABEL	2
1002 8108	COMPARTMENT ACCESS LABEL	2
1002 8109	TOPPLING DANGER, TIRE LABEL	4
1002 8110	PLATFORM MAXIMUM CAPACITY LABEL	1
1002 8111	TOPPLING HAZARDS LABEL	1

1002 8112	WHEEL LOAD LABEL	4
1002 8777	PLATFORM CONTROLLER SECURITY LABEL	1
1002 8890	DIESEL-FUEL LABEL	1
1002 9757	DIRECTION LABEL	3

Instructions for Use

The Instructions for Use section contains all instructions for operating the machine. The operator is obliged to follow all safety rules and instructions contained in the operating instructions.

It is unsafe and dangerous to use the machine for any purpose other than lifting tools and materials and authorized personnel to the elevated work area.

Only authorized personnel with

adequate training should be allowed to operate the machine. If more than one operator is required to operate a machine on the same shift at different times, they must all be trained and follow all safety rules and instructions contained in the operating manuals.

Accordingly, every new operator must perform pre-start function tests and work area checks before starting to use the machine.

Warning

Always start the machine via the ignition switch located on the Tower panel.



Warning

After this process, it is recommended by the manufacturer to wait 1-2 minutes and use the machine in terms of the service life of the hydraulic pump and walking systems.



Starting the Engine

1. Pull the main switch on the underframe. (on)
2. Make sure that the Emergency Stop buttons on both the tower and platform control panel are in the on position.
3. Insert the ignition switch from the tower control panel and turn it to position 1.
4. Wait until an image appears on the led screen.
5. Turn the ignition switch to the starter position (position 2).
6. Release the key when you hear the diesel engine start. Do not do this for more than 8-10 seconds.

Emergency Stop

1. Push the red Emergency Stop button on the tower controls or platform controls to the OFF position to stop all machine functions and shut off the engine.
2. Push the Main switch on the sub-frame to the off position to completely disconnect the

machine. Make sure that all lights are switched off.

Check all functions that operate when any Red Emergency Stop button is pushed. The LED displays both on the tower panel and on the platform should flash indicating that the emergency stops are activated.

Emergency Power

If the first power source (motor) fails, use emergency power.

1. Turn the key switch to the floor or platform control.
2. Pull the red Emergency Stop button to the ON position.
3. Press the foot switch when operating the controls from the platform.
4. Break the safety tie and remove the emergency power switch cover.

Not: Emniyet bağı kopmuşsa veya yerinde değilse, ilgili Genie Servis Elkitabına bakın.

5. Simultaneously keep the emergency power switch on and activate the desired function.

The drive function does not work with emergency power.

Emergency Landing Pump

Use the emergency lowering pump to evacuate the operator on the platform if the first power supply (motor) fails to work due to malfunction, etc.

1. Open the service cover on the front polyester cover with the appropriate wrench.
2. Turn the knob on the upper group control valve counterclockwise 1 turn.
3. Ensure oil flow by operating the emergency lowering pump with the help of the manual lever.

4. Press the manual lowering button of the open boom via the valve. Continue until the pumping process is finished.
5. If more than one boom is open, repeat points 3 and 4 for each boom.
6. Electric motor is available as an option for some models.

Note: The Drive function does not work with the Emergency Landing Pump.

Warning

Take all necessary safety precautions.



Operating on the tower

1. Follow the steps for starting the engine.
2. From the tower control panel, set the control control selector switch to the tower position.
3. Move the appropriate function toggle switch in the arrow directions shown on the board.

Operating on the platform

1. Make sure the Diesel Engine is running.
2. From the tower control panel, set the control control selector switch to the platform position.
3. Move the joysticks for the appropriate function according to the markings on the panel.

For steering wheel motion;

Positioning the Platform;

1. Set the Travel / Operation Mode Selector Switch on the panel to the operation mode.
2. Press the deadman button of the relevant joystick for the appropriate function.
1. Set the Travel / Operating Mode Selector Switch on the panel to travel mode.
2. Press the deadman button on the right joystick.
3. Using the right joystick, move it slowly left-right in the direction of the arrows shown on the

control panel.

To Drive;

1. Set the Travel / Operating Mode Selector Switch on the panel to travel mode.
2. Press the deadman button on the right joystick.
3. Using the right joystick, move it slowly back and forth in the direction of the arrows shown on the control panel.
4. Slowly push the joystick away from the center to increase the

speed.

5. Pull the joystick slowly towards the center to reduce the speed.
6. To stop, move the joystick to the center or stop pressing the deadman.

Use the color-coded directional arrows on the platform controls and driving frame to determine the direction the machine will travel.

When the boom is raised, the machine travel speed is limited.

Driving on the slope

The machine's up-slope, down-slope and side slope driving ratios and the degree of slope are as specified;



Maximum slope rate, platform in down slope position (climbing ability):

2WD: %20 (12°)

4WD: %40 (22°)



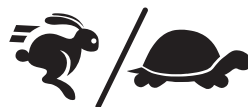
Maximum inclination rate, platform inclination in up position:

%45 (24°)



Maximum side inclination rate:

%5 (3°)



Note: The degree of slope depends on ground conditions and sufficient traction.

1. Observe the degree of slope by reading it from both the tower panel LED display and the LED

display on the platform panel.

2. Select the driving mode of the machine from the Hare / Tortoise button on the platform panel by looking at the ground and slope conditions.
3. In the rabbit mode the machine will drive faster, in the tortoise mode it will drive slower and stronger.

Driving on uneven surface conditions:

1. Switch the driving mode to turtle mode using the Rabbit / Tortoise button on the platform panel.
2. Press the button on the platform panel to activate the oscillating axle.

Warning

If driving with the boom open, it is recommended by the manufacturer to select Turtle mode.



Warning

The machine is programmed to operate on safe slopes defined by the manufacturer thanks to the sensors on the machine. In unsafe slopes, machine movements will be restricted and stop. Please pay attention to the warnings on the screens.

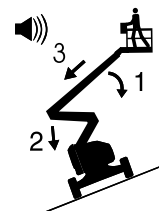


If the slope alarm sounds when the platform is raised, the Vehicle Stabilized Lamp does not light and the driving functions in one or both directions do not work. Determine the state of the boom on the slope as shown below. Perform the steps necessary to lower the boom before moving to a hard, level surface. Do not rotate the boom when lowering.



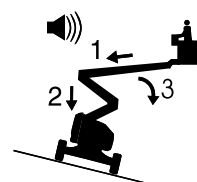
If the tilt alarm sounds when the platform is in the incline up position:

1. Lower the first boom.
2. Lower the second boom.
3. Pull back the first boom.



If the slope alarm sounds when the platform is in the down slope position:

1. Pull back the first boom.
2. Lower the second boom.
3. Lower the first boom.



A flashing light indicates that the platform is overloaded and no function will work.

Platform Overload Indicator

Remove the weights from the platform until the light goes out.

After Each Use

1. Choose a safe parking location (a firm, level surface with no obstacles or coming and going)
2. Pull the boom back and lower it to the retracted position.
3. Rotate the turntable so that

the boom is between the uncontrollable wheels.

4. Turn the ignition switch to OFF and remove the key to prevent unauthorized use.

Transportation and Lifting Instructions

Warnings

- Mote Lift provides this securing information as a recommendation. Drivers are solely responsible for ensuring that the safety of the machines is properly secured and that the correct trailer is selected, in accordance with the regulations of their country's Ministry of Transportation, other local

regulations and their own company policies.

- Customers who need to transport any lifts or Mote Lift products in containers should contact a freight forwarder qualified to prepare, load and secure construction and lifting equipment for international transportation.

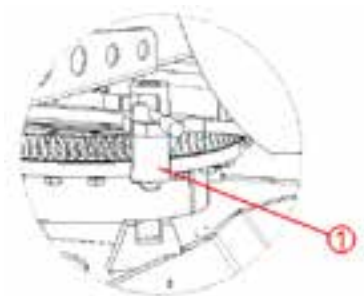
- The loading and unloading of the machine on and off the truck must only be carried out by qualified lift operators.
- The transport vehicle must be parked on a level surface.
- The transport vehicle must be secured in such a way as to prevent slipping when loading the machine.
- Make sure that the vehicle capacity, loading surfaces and chains or tie-down straps are strong enough to support the machine weight. The weight information is written on the label on the chassis.
- Refer to the Inspections section for the position of the serial label.
- Make sure that the turntable is secured with the turntable return lock before transportation. Be sure to unlock the turntable to operate.
- Do not drive the machine on slopes that exceed the machine's up-ramp, down-ramp and side slope ratings. Refer to Driving on Slopes in the Operating Instructions section.
- If the inclination of the transport vehicle chassis exceeds the maximum up/down gradient, the machine must be loaded and lowered using a crane, as described in the brake release procedure. Refer to the Specifications section for slope ratios.

For Pulling with Crane

1. Place chocks on the wheels to prevent the machine from slipping.
2. Release the non-traction wheel brakes by turning the drive hub release covers.
3. Make sure that the tow rope is correctly secured to the driving frame attachment points and that there are no obstacles in the way.
4. To reengage the brakes, follow the procedures described in reverse order.
5. Use a rigid tow bar instead of a tow rope when traction on a slope.
6. Avoid maneuvering the machine left or right as much as possible.
7. Do not tow long distances. Contact the technical team for support.

Fixing to Truck or Trailer for Transport

1. Always use the turntable rotation lock pin (1) when transporting the machine.



2. Turn the ignition switch to OFF and remove the key before transportation.
3. Inspect the entire machine for loose or not fully secured parts.

prevent damage to the chains.

4. For diagram, see Lifting Instructions.

Fixation of the Platform

1. Make sure that all booms of the machine are in the closed (gathered) position.
2. Secure the platform with a nylon strap placed on the platform mounting element near the platform rotator (see below).
3. Do not use excessive force when securing the boom.



Fixation of the Chassis

1. Use chains with a heavy load capacity.
2. Use at least 4 chains or straps.
3. Adjust the lifting equipment to

Lifting Instructions

Warning

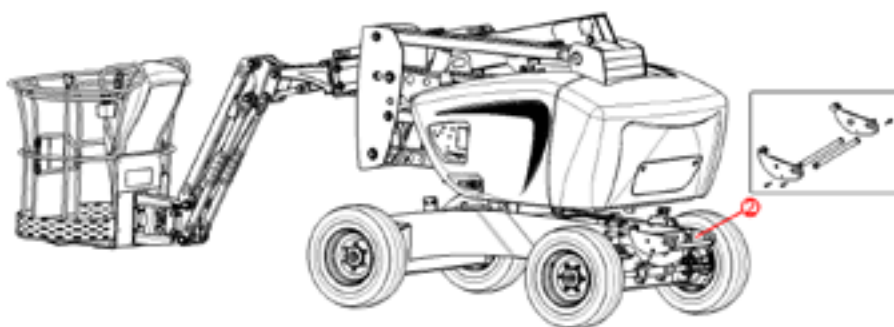
Only crane operators qualified to lift heavy loads should prepare the machine.

Only certified crane operators must lift the machine in accordance with the relevant crane regulations.

Make sure that the crane capacity, loading surfaces and straps or ropes are strong enough to support the weight of the machine. Check the label for the weight of the machine.



1. Make sure that all booms of the machine are in the closed (gathered) position.
2. Turn the ignition switch to OFF and remove the key before lifting.
3. Inspect the entire machine for loose or not fully secured parts.
4. Mount the crane transportation device on the front of the chassis as shown in the picture.
5. Only attach the lifting equipment to the specified lifting points on the machine. Adjust the lifting equipment to prevent damage to the machine and to stabilize the machine.





Regular Maintenance Checkpoints
Checking the Hydraulic Oil Level
Checking the Engine Coolant Level
Checking the Batteries
Checking the Tire Pressure
Scheduled Maintenance

04

MAINTENANCE INFORMATION

Regular Maintenance Checkpoints

Checking the Hydraulic Oil Level

Keeping the hydraulic oil at the proper level is essential for machine operation. Improper hydraulic oil level may damage hydraulic components.

Daily checks help the inspector to detect changes in the oil level that may indicate hydraulic system problems.

1. Make sure the boom is in the raised position.

2. Visually inspect the level indicator on the side of the hydraulic oil tank.

Result: The hydraulic oil level should be within the upper 5 cm of the level gauge.

3. Add oil if necessary. Do not overfill.

Hydraulic oil specifications

Type of hydraulic oil;
Chevron Rando HD equivalent



Checking the Engine Coolant Level

Maintaining the proper level of engine coolant is extremely important for engine service life. An incorrect coolant level will affect the cooling capacity of the engine and damage engine components. Daily checks help the examiner to identify changes in the coolant level that may indicate cooling system problems.

cause severe burns.

- Check the fluid level in the coolant return reservoir. Add fluid if necessary.

Result: The liquid level should be at the FULL mark.

Note: Do not remove the radiator cap.

▲ Fire hazard. Be careful with hot engine parts and coolant. Contact with hot engine parts and/or coolant can

Checking the Batteries

Good battery condition is essential to ensure adequate machine performance and operational safety. Insufficient fluid level or damaged cables and connections can cause component damage or hazardous conditions..

1. Wear protective clothing and goggles.
2. Make sure that the battery cable connections are tight and free from corrosion.
3. Make sure the battery retainers are in place and secure.

▲ Danger of electric shock. Contact with hot or live circuits can cause death or serious injury. Remove all rings, watches and other jewelry.

Note: Adding protective and anti-corrosion sealants to the battery terminals (battery terminals) helps to prevent corrosion of the battery terminals and cables.

▲ Danger of physical injury. Batteries contain acid. Do not allow battery acid to spill and avoid contact with battery acid. Neutralize spilled battery acid with sodium bicarbonate and water.

Checking the Tire Pressure

⚠ *Danger of toppling over. If the tires are overinflated, they can burst, causing the machine to become unbalanced and tip over.*

⚠ *Danger of toppling over. The use of temporary puncture repair products may damage the tire and cause the machine to become unstable, which could cause the machine to tip over.*

⚠ *Danger of physical injury. An overinflated tire can burst and cause death or serious injury.*

Note: This operation is not necessary on machines using foam-filled tires.

Note: This operation is not necessary on machines using foam-filled tires.

Tire Specifications

Models with Aircraft Protection Package	Foam Filling Only
Rough terrain tire Tire sizes: 315/55 D20	3,5 bar
Tires with high anti-sinking properties Tire sizes: 33/16LL500	2,6 bar

Scheduled Maintenance

Quarterly, annual and bi-annual maintenance must be carried out by a qualified person who has been adequately trained and qualified to carry out maintenance on this machine in accordance with the procedures contained in the service manual for this machine.

Machines that have been out of service for more than three months must undergo a three-month check before being put back into service.

05

**ADDITIONAL
INFORMATION**

Specifications

ABL12

Height, maximum operation	12,4 m
Height, maximum platform	10,4 m
Height, gathered	2,3 m
Length, gathered	5,8 m
Horizontal access, maximum	6,7 m
Maximum load capacity	230 kg
Max. wind speed	12,5 m/sn
Wheelbase	2 m
Radius of rotation (externally)	
Radius of rotation (internally)	
Döner tabla rotasyonu	
Turntable tail swing	
Speed, gathered	
Speed, booms elevated	
Floor distance, center	
Floor distance, axle	
Controllers	
Weight	4600 kg
Platform sizes	
Platform stabilization	
Platform rotation	

The total vibration level to which the hand/arm system is exposed does not exceed 2.5 m/sn²

The highest root mean square of the weighted acceleration to which the whole body is subjected does not exceed 0.5 m/sn².

Airborne sound emissions

Sound pressure level at the floor workstation
Sound pressure level at the platform workstation
Guaranteed sound volume level
AC socket on the platform
Hydraulic pressure, maximum (boom functions)
System Voltage
Tire length, 4WD RT ve 2WD RT
Tire size, Non-Sinking Feature

Maximum incline rate, gathered, 2WD

Platform inclination in down position	%25
Platform inclination in up position	%25
Side incline	%25

Maximum incline rate, gathered, 4WD

Platform inclination in down position	%45
Platform inclination in up position	%45
Side incline	%25

Note: The degree of slope depends on ground conditions and sufficient traction

Fuel tank capacity	50 L
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Surface loading info

Surface loading info
Tire contact pressure
Pressure on the covered surface

Note: Ground loading information is approximate and does not cover different option configurations. It should only be used with appropriate safety factors.

It is Mote Lift policy to continually improve our products. Product specifications are subject to change without notice or liability.

ABL14

Height, maximum operation	m
Height, maximum platform	m
Height, gathered	2,3 m
Length, gathered	m
Horizontal access, maximum	m
Maximum load capacity	230 kg
Max. wind speed	12,5 m/sn
Wheelbase	2 m
Radius of rotation (externally)	
Radius of rotation (internally)	
Döner tabla rotasyonu	
Turntable tail swing	
Speed, gathered	
Speed, booms elevated	
Floor distance, center	
Floor distance, axle	
Controllers	
Weight	6200 kg
Platform sizes	
Platform stabilization	
Platform rotation	

The total vibration level to which the hand/arm system is exposed does not exceed 2.5 m/sn²

The highest root mean square of the weighted acceleration to which the whole body is subjected does not exceed 0.5 m/sn².

Airborne sound emissions

Sound pressure level at the floor workstation
Sound pressure level at the platform workstation
Guaranteed sound volume level
AC socket on the platform
Hydraulic pressure, maximum (boom functions)
System Voltage
Tire length, 4WD RT ve 2WD RT
Tire size, Non-Sinking Feature

Maximum incline rate, gathered, 2WD

Platform inclination in down position	%25
Platform inclination in up position	%25
Side incline	%25

Maximum incline rate, gathered, 4WD

Platform inclination in down position	%45
Platform inclination in up position	%45
Side incline	%25

Note: The degree of slope depends on ground conditions and sufficient traction

Fuel tank capacity	50 L
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Surface loading info

Surface loading info
Tire contact pressure
Pressure on the covered surface

Note: Ground loading information is approximate and does not cover different option configurations. It should only be used with appropriate safety factors.

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ABL16

Height, maximum operation	16 m
Height, maximum platform	14 m
Height, gathered	2,3 m
Length, gathered	7 m
Horizontal access, maximum	8,7 m
Maximum load capacity	230 kg
Max. wind speed	12,5 m/sn
Wheelbase	2 m
Radius of rotation (externally)	
Radius of rotation (internally)	
Döner tabla rotasyonu	

Turntable tail swing

Speed, gathered
Speed, booms elevated
Floor distance, center
Floor distance, axle

Controllers

Weight	6200 kg
Platform sizes	
Platform stabilization	
Platform rotation	

The total vibration level to which the hand/arm system is exposed does not exceed 2.5 m/sn²

The highest root mean square of the weighted acceleration to which the whole body is subjected does not exceed 0.5 m/sn².

Airborne sound emissions

Sound pressure level at the floor workstation
Sound pressure level at the platform workstation
Guaranteed sound volume level
AC socket on the platform
Hydraulic pressure, maximum (boom functions)
System Voltage
Tire length, 4WD RT ve 2WD RT
Tire size, Non-Sinking Feature

Maximum incline rate, gathered, 2WD

Platform inclination in down position	%25
Platform inclination in up position	%25
Side incline	%25

Maximum incline rate, gathered, 4WD

Platform inclination in down position	%45
Platform inclination in up position	%45
Side incline	%25

Note: The degree of slope depends on ground conditions and sufficient traction

Fuel tank capacity	50 L
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Surface loading info

Surface loading info
Tire contact pressure
Pressure on the covered surface

Note: Ground loading information is approximate and does not cover different option configurations. It should only be used with appropriate safety factors.

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ADDITIONAL INFORMATION

ABL12 E-drive

Height, maximum operation	12,4 m
Height, maximum platform	10,4 m
Height, gathered	2,3 m
Length, gathered	5,8 m
Horizontal access, maximum	6,7 m
Maximum load capacity	230 kg
Max. wind speed	12,5 m/sn
Wheelbase	2 m
Radius of rotation (externally)	
Radius of rotation (internally)	
Döner tabla rotasyonu	
Turntable tail swing	
Speed, gathered	
Speed, booms elevated	
Floor distance, center	
Floor distance, axle	
Controllers	
Weight	4600 kg
Platform sizes	
Platform stabilization	
Platform rotation	

The total vibration level to which the hand/arm system is exposed does not exceed 2.5 m/sn²

The highest root mean square of the weighted acceleration to which the whole body is subjected does not exceed 0.5 m/sn².

Airborne sound emissions

Sound pressure level at the floor workstation
Sound pressure level at the platform workstation
Guaranteed sound volume level
AC socket on the platform
Hydraulic pressure, maximum (boom functions)
System Voltage
Tire length, 4WD RT ve 2WD RT
Tire size, Non-Sinking Feature

Maximum incline rate, gathered, 2WD

Platform inclination in down position	%25
Platform inclination in up position	%25
Side incline	%25

Maximum incline rate, gathered, 4WD

Platform inclination in down position	%45
Platform inclination in up position	%45
Side incline	%25

Note: The degree of slope depends on ground conditions and sufficient traction

Fuel tank capacity	50 L
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Surface loading info

Surface loading info
Tire contact pressure
Pressure on the covered surface

Note: Ground loading information is approximate and does not cover different option configurations. It should only be used with appropriate safety factors.

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ABL14 E-drive

Height, maximum operation	m
Height, maximum platform	m
Height, gathered	2,3 m
Length, gathered	m
Horizontal access, maximum	m
Maximum load capacity	230 kg
Max. wind speed	12,5 m/sn
Wheelbase	2 m
Radius of rotation (externally)	
Radius of rotation (internally)	
Döner tabla rotasyonu	
Turntable tail swing	
Speed, gathered	
Speed, booms elevated	
Floor distance, center	
Floor distance, axle	
Controllers	
Weight	6200 kg
Platform sizes	
Platform stabilization	
Platform rotation	

The total vibration level to which the hand/arm system is exposed does not exceed 2.5 m/sn²

The highest root mean square of the weighted acceleration to which the whole body is subjected does not exceed 0.5 m/sn².

Airborne sound emissions

Sound pressure level at the floor workstation	
Sound pressure level at the platform workstation	
Guaranteed sound volume level	
AC socket on the platform	
Hydraulic pressure, maximum (boom functions)	
System Voltage	
Tire length, 4WD RT ve 2WD RT	
Tire size, Non-Sinking Feature	

Maximum incline rate, gathered, 2WD

Platform inclination in down position	%25
Platform inclination in up position	%25
Side incline	%25

Maximum incline rate, gathered, 4WD

Platform inclination in down position	%45
Platform inclination in up position	%45
Side incline	%25

Note: The degree of slope depends on ground conditions and sufficient traction

Fuel tank capacity	50 L
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Surface loading info

Surface loading info	
Tire contact pressure	
Pressure on the covered surface	

Note: Ground loading information is approximate and does not cover different option configurations. It should only be used with appropriate safety factors.

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ABL16 E-drive

Height, maximum operation	16 m
Height, maximum platform	14 m
Height, gathered	2,3 m
Length, gathered	7 m
Horizontal access, maximum	8,7 m
Maximum load capacity	230 kg
Max. wind speed	12,5 m/sn
Wheelbase	2 m
Radius of rotation (externally)	
Radius of rotation (internally)	
Döner tabla rotasyonu	
Turntable tail swing	
Speed, gathered	
Speed, booms elevated	
Floor distance, center	
Floor distance, axle	
Controllers	
Weight	6200 kg
Platform sizes	
Platform stabilization	
Platform rotation	

The total vibration level to which the hand/arm system is exposed does not exceed 2.5 m/sn²

The highest root mean square of the weighted acceleration to which the whole body is subjected does not exceed 0.5 m/sn².

Airborne sound emissions

Sound pressure level at the floor workstation	
Sound pressure level at the platform workstation	
Guaranteed sound volume level	
AC socket on the platform	
Hydraulic pressure, maximum (boom functions)	
System Voltage	
Tire length, 4WD RT ve 2WD RT	
Tire size, Non-Sinking Feature	

Maximum incline rate, gathered, 2WD

Platform inclination in down position	%25
Platform inclination in up position	%25
Side incline	%25

Maximum incline rate, gathered, 4WD

Platform inclination in down position	%45
Platform inclination in up position	%45
Side incline	%25

Note: The degree of slope depends on ground conditions and sufficient traction

Fuel tank capacity	50 L
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Surface loading info

Surface loading info	
Tire contact pressure	
Pressure on the covered surface	

Note: Ground loading information is approximate and does not cover different option configurations. It should only be used with appropriate safety factors.

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