



## BASIC INSTRUCTION SHEET

52769287EN-USM1 (A052022)

This document is a short recap on how to drive a machine, and should in no way be a substitute for the instructions required by Directive 2006/42/EC Annex I section 1.7.4.

The instructions, which should be read and understood by the operator beforehand, are available in the machine's cab. All of the instructions, including safety instructions, in the manual should be implemented and enforced. The operator must have received proper training and must comply with the rules in force on road traffic.

### Technical characteristics

	ULM 412	ULM 415	
Unladen weight	2800	2950	kg
Weight at rated load	4090	4470	kg
Weight on front axle (unladen)	1370	1390	kg
Weight on rear axle (unladen)	1470	1630	kg
Weight on front axle (at rated load)	3560	3890	kg
Weight on rear axle (at rated load)	530	580	kg
Traction force (unladen) (slippage)	1850	1850	daN
Traction force at rated load (transmission setting)	2000	2000	daN

### Avant de démarrer, contrôlez :

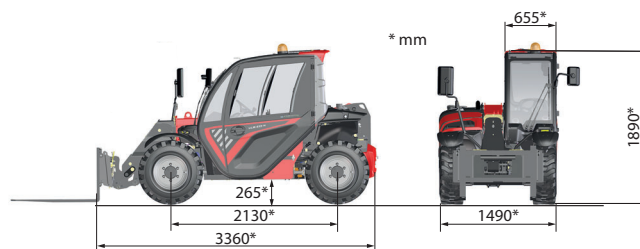
- That the battery cut-off is unlatched.
- The condition of the tyres.
- The hydraulic oil level.
- The engine oil level.
- The water level in the fuel pre-filter.
- The brake fluid level.
- The air filter.
- The fuel level.
- The lights.
- The cleanliness and setting of the mirrors.

### Control panel



- |   |   |
|---|---|
| <b>A</b> REV COUNTER                                  | ENGINE WATER LEVEL WARNING INDICATOR LAMP                 |
| <b>B</b> ENGINE WATER TEMPERATURE                     | ENGINE STOPPED WARNING INDICATOR LAMP                     |
| <b>C</b> FUEL LEVEL                                   | ENGINE PREHEATING FAULT INDICATOR LAMP                    |
| <b>D</b> INFORMATION SCREEN                           | SOOT LEVEL INDICATOR LAMP                                 |
| PARKING BRAKE LAMP                                    | HIGH EXHAUST GAS TEMPERATURE INDICATOR LIGHT              |
| BATTERY LOAD WARNING INDICATOR LAMP                   | AUTOMATIC EXHAUST PURIFICATION DEACTIVATED INDICATOR LAMP |
| WATER IN FUEL PRE-FILTER WARNING INDICATOR LAMP       | EXHAUST LINE FAULT INDICATOR LAMP                         |
| BRAKING OIL LEVEL WARNING INDICATOR LAMP              |   |
| ENGINE OIL PRESSURE WARNING INDICATOR LAMP            |   |
| HYDRAULIC RETURN FILTER CLOGGING FAULT INDICATOR LAMP |   |

A warning lamp indicates an operating fault. Some indicator lamps are accompanied by an audible signal. Stop the machine and contact your dealer or rental company as quickly as possible.



### Starting the machine

- 1 - Unlatch the battery cut-off.
- 2 - Get into the cab and close the door.
- 3 - Sit down in the seat and put on the seat belt.
- 4 - Deactivate the emergency stop button.
- 5 - Press down on the accelerator pedal.
- 6 - Turn the ignition key.
- 7 - Choose your steering mode.
- 8 - Activate the reversing shift (FNR) to move forward or reverse.

### Push button panel

- |                                       |  |
|---------------------------------------|--|
| INFORMATION MENU                      | DISABLING "AGGRAVATING" HYDRAULIC MOVEMENT CUT-OFF |
| PREFERENCES MENU                      | TILT CIRCUIT LOCKING                               |
| BACK                                  | ATTACHMENT CIRCUIT LOCKING (OPTION)                |
| VALIDATION                            | "STATIONARY MACHINE" EXHAUST REGENERATION          |
| MOVE UP                               | DISABLING EXHAUST REGENERATION                     |
| MOVE DOWN                             | ENGINE SPEED MEMORIZATION (OPTION)                 |
| HYDRAULIC MOVEMENT NEUTRALISATION     | SPEED LIMITER (OPTION)                             |
| ROTATING BEACON LIGHT                 | ATTACHMENT CIRCUIT FLOW RATE LIMITER (OPTION)      |
| AUTOMATIC PARKING BRAKE               | ATTACHMENT CIRCUIT MANUAL OVERRIDE (OPTION)        |
| "MANUAL MODE" AUTOMATIC PARKING BRAKE | STOP & START (OPTION)                              |
| "BUCKET" MODE                         | AUTOMATIC FAN REVERSAL (OPTION)                    |
| "SUSPENDED LOAD" MODE                 | FORCED FAN REVERSAL (OPTION)                       |

### Switches

- |                                    |   |
|------------------------------------|---|
| HAZARD WARNING LIGHTS (OPTION)     | BOOM HEAD WORKLIGHTS (OPTION)             |
| REAR FOG LIGHTS                    | BLUE POULTRY FARMING WORKLIGHTS (OPTION)  |
| ROTATING BEACON LIGHT (OPTION)     | ROOF WINDSHIELD WIPER AND WASHER (OPTION) |
| FRONT AND REAR WORKLIGHTS (OPTION) | ELECTRIC PREDISPOSITION ON BOOM (OPTION)  |

### Steering selection



- 1 - Front steering wheels (road mode).
- 2 - Front and rear steering wheels in opposite direction (tight turning).
- 3 - Front and rear steering wheels in same direction (crab steering).

Never change the steering mode whilst driving.



**Please note that the risks involved for users when using the machine are, in particular:**

Risk of loss of control, risk of loss of lateral and frontal stability of the machine.

The operator must stay in control of the machine. In the event of the machine overturning, do not try to leave the cab during the incident.

**YOUR BEST PROTECTION IS TO STAY FASTENED IN THE CAB.**

**Longitudinal stability limiter and warning device**

This device warns the operator of the machine's longitudinal stability limits.

Depending on the type of work required, the longitudinal stability limiter and warning device allows the operator to operate the machine in complete safety.

Lamp A8 indicates that the machine is at the authorised longitudinal stability limit.

If the indicator lamp comes on, perform the "deaggravating" hydraulic movements.

"HANDLING" MODE (USE WITH FORKS)

By default, the device is in "HANDLING MODE" each time the machine is started.

"BUCKET" MODE (USE WITH BUCKET)

Press the button, "BUCKET" MODE is confirmed by an audible signal and by the light coming on.

Press this button again or switch off the ignition with the ignition key to return to "HANDLING" MODE.

"SUSPENDED LOAD" MODE (USE WITH HOIST) offering a higher margin of error.

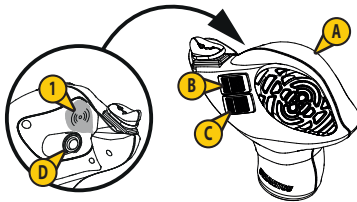
Hold down the button, "SUSPENDED LOAD" MODE is confirmed by an audible signal and the indicator lamp coming on.

Press this button again or switch off the ignition with the ignition key to return to "HANDLING" MODE.



**Hydraulic controls**

**1 - HYDRAULIC CONTROLS ACTIVATION**



A - Lifting and tilting control lever.

B - Telescoping control button.

C - Attachment control button (OPTION).

D - Control button (OPTION).

**Fusibles et relais**

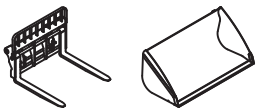
In the cab



See the machine's operator's manual for the full list of fuses and relays.

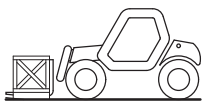
**Attachments**

**Before any use, ensure that the attachment is properly locked**

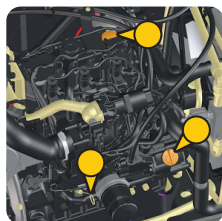


See the machine's operator's manual for gripping device and list of attachments.

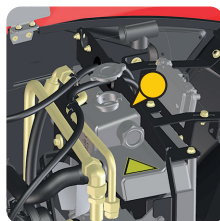
**Daily service**



Carry out a general inspection around the machine.



Check the engine oil level.



Check the coolant level.



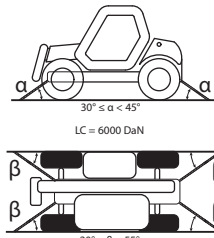
Check the water separator.



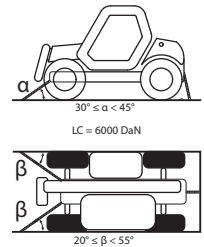
Check the longitudinal stability limiter and warning device.

**Securing**

On a truck deck



On a low-bed trailer



Fix the chocks to the platform at the front and at the back of each tyre.

Also fix the chocks to the platform on the inside of each tyre.

Secure the machine to the flatbed with straps, in the anchoring points provided.

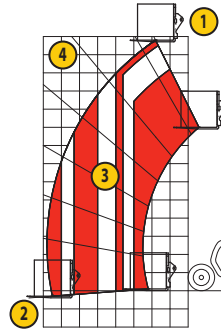
In order to ensure the machine is securely lashed to the flatbed, observe the lashing angles (alpha) and (beta) and the resistance (LC) of the straps.

Tighten the straps.

**Reading a load chart**

Read the function sheets for the load charts and hydraulic controls.

Comply with the load chart(s).



1 - Load lifting height.

2 - Load outreach distance.

3 - Zone accessible depending on the load.

4 - Zone inaccessible.

Scan for more information.

