

OPERATION MANUAL

WHEEL LOADER

V7 / V7-HW

YANMAR

Fill in the following information before starting the machine	
Model	
Machine serial number	
Serial number of the engine	
Year of manufacture	
Start-up date	
Your YANMAR dealer Address Telephone	
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Original manual

Language: EN
Issue: 2023-10
Manual code: MUC25ENWL00101 (5780214236)

From serial number: XXXXXXXXXXXX



10 TRANSPORTING THE MACHINE

⚠ WARNING

Choose a road taking account of the width, height and weight of the machine loaded on the truck.

Transport the machine safely according to the rules associated with applicable legislation.

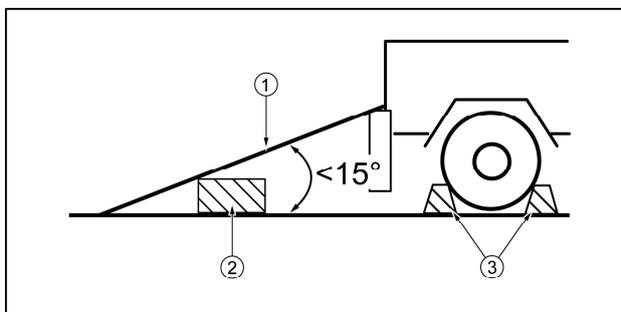
10.1 Loading/unloading the machine

10.1.1 Precautions for loading/unloading the machine

- Load or unload the machine on a flat, firm surface, a good distance away from any verges.
- Use adequate power ramps with hooks at their extremities.
- Make sure the ramps are sufficiently wide, long and thick to hold the machine so that you can load it and unload it safely. If the ramps flex excessively, consolidate them with wedges.
- Install the ramp safely on the truck deck so that they do not become detached.
- Clean grease, oil and any other slippery deposits from the ramps and remove the mud from the wheels to avoid the machine sliding sideways on the plates.
- Do not load or unload the machine if the ramps are slippery due to rain, snow or frost.
- Load or unload the machine at reduced speed.
- Never change the direction of travel on the ramps. If you need to change your path, take the ramps down, and do it on the ground.

10.1.2 Procedure

1. Engage the truck's brake.
2. Position buttresses to immobilise the truck.
3. Position the ramp plates on the truck deck so that the centre of the truck and the centre of the machine are aligned. Check that the left and right ramp plates are at the same level.
4. The angle between the ground and the ramp plates must be less than 15°.



- 1 = Ramps
2 = Wedge
3 = Stops

5. Raise the attachment high enough before engaging the machine on the ramps.
6. Direct the machine towards the ramp plates at low speed and load the machine onto the truck.

10 Transporting the machine

10.2 Immobilising the machine on the truck

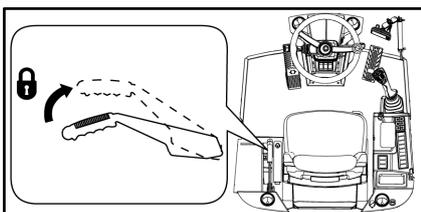
Once the machine is in a suitable position on the truck, immobilise it as follows :

1. Shift to neutral using the neutral button on the control lever.

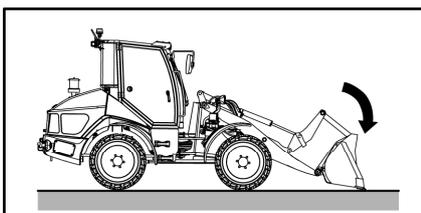


N = Neutral position

2. Apply the parking brake.



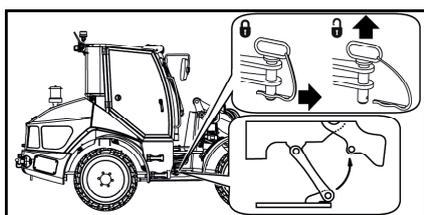
3. Lower the bucket to place its lower surface in contact with the ground.



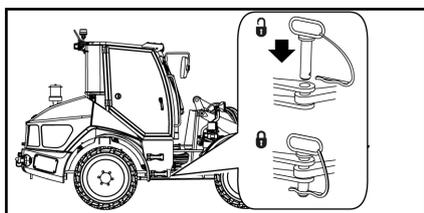
4. Lock the hydraulic functions of the control lever with the control lever deactivation switch.

 **5.3.14 Control lever deactivation switch, page 34**

5. Fit the locking pin of the central hinge.



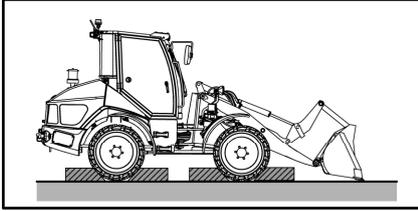
- a. Pull the pin from the bore.
- b. Install the safety pin as shown.



 **WARNING**
Risk of trapping

6. Turn the key to OFF position to switch off the engine and disconnect the electrical circuit. Remove the key from the ignition.
7. Fold the mirrors inwards and ensure that both doors are closed.

8. Place wooden stops at the front and the rear of the wheels and tie-down the machine with a tie-down accessory so that it does not move during transport, and especially that it does not slide.



10.3 Tying down the machine

⚠ WARNING

Do not perform the tie-down if a person stands on the machine or on an accessory.



Use a tie-down accessory compatible with the weight of the machine and compliant with European standards.

Check the tie-down accessory labelling to know the WLL.¹ In the absence of or damage to the accessory labelling, do not use it without being assured of its WLL.¹

⚠ WARNING

Before transporting the machine, check the total height of the load.

1 Working dimensions, page 155

All specifications refer to the maximum permissible weight of the machine and are only valid for the type of tie-down shown in this manual.

For the calculation, the standard value of the friction coefficient $\mu=0.2$ was used (ISO 15818).

⚠ IMPORTANT

If other tie-down methods are used, Yanmar Compact Germany GmbH does not guarantee the machine tie-down.

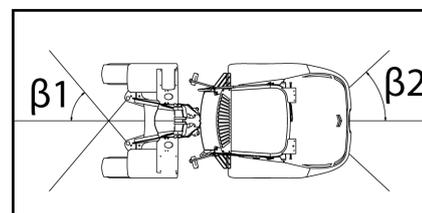
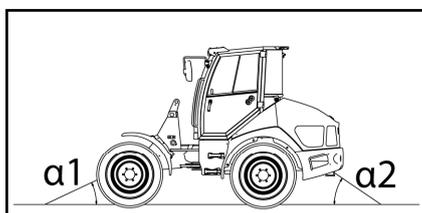
The driver must ensure that the angles α and β are determined so that there is no deflection of the tie-down accessories.

1. Check the condition of the transport vehicle surface. If the surface is greasy, it must be cleaned before installing the machine on the transport vehicle.

Note

If the transport vehicle surface is steel, provide a non-slip mat or spacers to prevent the machine wheels from slipping.

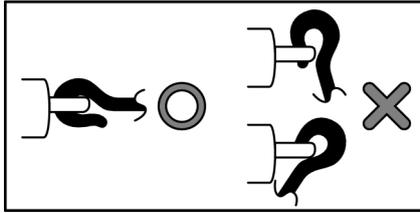
2. Check the WLL of the tie-down points of the transport vehicle, it must be at least the WLL recommended for tying down the accessories.¹
3. Check the location and condition of the machine tie-down points.



Front	2,7 tf (5845 lbf)	Rear	3,1 tf (6744 lbf)
$\alpha 1$	11°-17°	$\alpha 2$	15°-29°
$\beta 1$	34°-55°	$\beta 2$	25°-60°

4. Tie-down the machine at the points provided for that purpose and that are indicated on the machine.

¹ Working Load Limit (WLL)



- Correctly position the hooks on the tie-down points.
- Be alert to where tie-down accessories pass; they should not rest on sharp edges or have knots present when tying down.
- Make sure to load balance the various tie-downs and do not overload them.

10.4 Slinging the machine



⚠ WARNING

Never lift the machine with someone on it or on an accessory.

Use a slinging method that is compatible with the weight of the machine and that complies with current standards.

If you do not lift the machine as shown, it will be out of balance.

Do not pivot the machine when it has been raised.

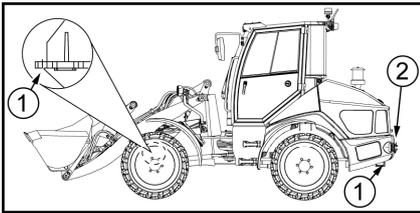
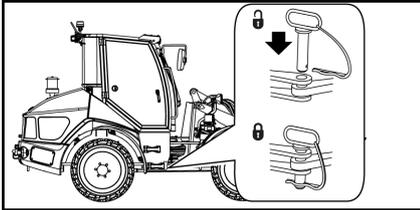
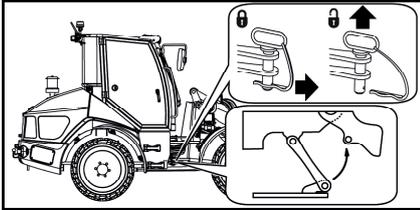
Never walk under or beside a suspended machine.



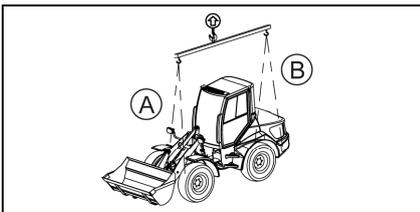
⚠ DANGER

Use only the slinging points indicated on the machine. Slinging the machine using unplanned locations may cause the machine to fall, inflicting severe physical injuries and damaging the machine.

10 Transporting the machine



1 = Holes



- Lift the machine as follows :
 1. Lower the bucket to place its lower surface in contact with the ground.
 2. Fit the locking pin of the central hinge.
 - a. Pull the pin out off the joint lock.
 - b. Turn the joint lock towards the front carriage.
 - c. Put the pin back into the joint lock.
 - d. Secure the pin the splint attached to it.

⚠ WARNING
Risk of trapping

3. Turn the key to OFF position to switch off the engine and disconnect the electrical circuit. Remove the key from the ignition.
4. Hook the shackles to the suspension holes at the front (2 points) and the rear (2 points).
5. Install the sling in a sleeve or a sheath to protect it from sharp edges of the machine during slinging.
6. Tension the load lifting accessories carefully.

	Length	WLL ² (tf(lbf))
A	2,5 m (8,2 ft) x 2	1,5 (3372)
B	2,5 m (8,2 ft) x 2	1,3 (2810)

7. Gently suspend the machine and wait until it stabilises before continuing to lift it.

2. Working Load Limit (WLL)

YANMAR



Scan to access the
documentation.

Yanmar Compact Germany GmbH

<http://www.yanmar.com>

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