



**Translation of original
Operating Instructions**

**Grass and Leaf Vacuum
Collector
Favorit XP**

329.003

From equipment I.D. No. : 1020329XP05142001

Status : April 2014

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EC DECLARATION OF CONFORMITY

We

**Wiedenmann GmbH
Am Bahnhof
89192 Rammingen**

declare under our sole responsibility that the product

Grass and Leaf Vacuum Favorit XP

to which this declaration refers, corresponds with the relevant basic safety and health requirements of the machinery directive 2006/42/EC.

Rammingen, the 28.06.2010	Horst Wiedenmann
(Place and date of issue)	Managing Partner
	(Name, function and signature of authorised person)

Rammingen, the 28.06.2010	Peter Rischar
(Place and date of issue)	Technical office manager Authorised representative for tech. documentation
	(Name, function and signature of authorised person)

NOTE: The declaration of conformity is no longer valid if changes are made to the machine that have not been agreed with the manufacturer.



Declaration of conformity

We

**Wiedenmann GmbH
Am Bahnhof
89192 Rammingen**

hereby declare that the product

**Grass and Leaf Vacuum
Favorit XP**

referred to by this declaration complies with the requirements of
Machinery Directive 2006/42/EC.

Rammingen, the 28.06.2010	Karl Wiedenmann
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Preface

READ THESE OPERATING INSTRUCTIONS CAREFULLY to familiarise yourself with the correct way to operate and service your machine, and to prevent personal injury or damage to the machine. These operating instructions and the adhesive safety signs on your machine can also be obtained in other languages (your dealer can order these for you).

THESE OPERATING INSTRUCTIONS ARE a permanent part of your machine and should be handed over to the new owner if the machine is sold.

MEASUREMENTS in these operating instructions are given in the metric system. Only use suitable parts and screws. Different wrenches are required for metric and inch screws.

THE DESIGNATIONS "RIGHT" AND "LEFT" refer to the forward driving direction of the mounted equipment.

ENTER THE PRODUCT IDENTIFICATION NUMBERS in the appropriate "Technical data" or "Product - Identification Number" sections. Please ensure that all figures are accurately entered. These numbers can be of invaluable assistance for tracing the machine should it be stolen. Your dealer also needs these numbers when you order spare parts. We recommend that you additionally file these identification numbers in a secure place away from the machine.

BEFORE DELIVERY OF THIS MACHINE, your dealer performed a pre-delivery inspection to ensure optimal performance.

THIS COLLECTING DEVICE IS EXCLUSIVELY designed for commercial use and customary use in agriculture and forestry, for maintenance of lawns and parks and the collection of grass, leaves and paper ("SPECIFIED USE").

Usage for any other purpose beyond this is considered as contrary to the intended use. The manufacturer accepts no liability for damage or injury resulting from this improper use. These risks are borne solely by the user. Compliance with and strict adherence to the operating, maintenance and repair conditions as specified by the manufacturer also form essential elements of the intended usage.

FORESEEABLE INCORRECT USE/MISUSE. It is not permitted to use the attached device to transport persons or things.

THIS MACHINE MUST ONLY BE operated, maintained and repaired by persons familiar with all its particular characteristics and acquainted with the relevant safety regulations. The relevant accident prevention regulations, all other generally recognised safety-related, occupational medicine and road traffic regulations must be adhered to. Any modifications carried out to this machine without the express approval of the manufacturer excludes the manufacturer of all liability for any resulting damage.

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1.0. Safety Measures

RECOGNISE WARNING SYMBOLS

This symbol draws your attention to the safety instructions attached to the machine or contained in these operating instructions. It means that there is a risk of injury.

Follow all recommended safety instructions as well as the accident prevention regulations.



FOLLOW THE SAFETY INSTRUCTIONS

Ensure that you carefully read all safety instructions contained in these operating instructions as well as all those attached to the machine. The warning signs must be kept in good condition, i.e. readable. Replace missing or damaged warning signs. Ensure that new equipment and spare parts are provided with the appropriate safety signs. Replacement warning signs are available from your dealer.

Familiarise yourself with the operation of the machine and its control devices before working with the machine. Never allow a person without the appropriate knowledge to operate the machine.

Keep your machine in good working order. Unauthorised modifications to the machine can impair the function, operational reliability and service life of the machine.

If you do not understand any part of these operating instructions and need assistance, please contact your dealer.

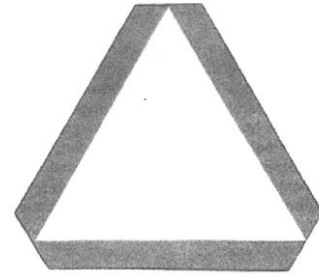


100.10

1.0. Safety Measures

OBSERVE THE ROAD TRAFFIC REGULATIONS

Always observe local road traffic regulations when using public roads.



100.11

WEAR PROTECTIVE CLOTHING

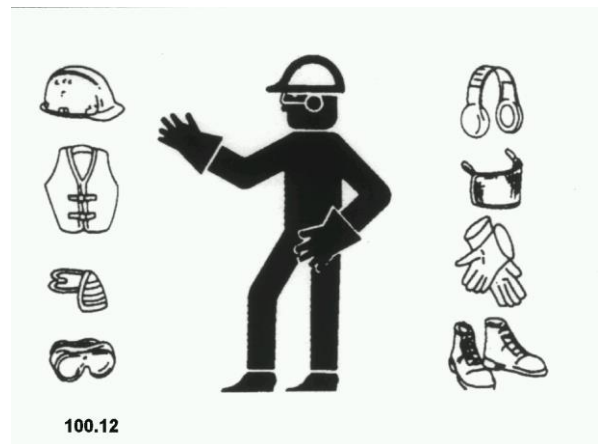
Wear close-fitting clothing and the appropriate safety equipment for the work at hand.

Prolonged exposure to loud noise can result in impairment or loss of hearing.

Wear a suitable hearing protective device such as earmuffs or earplugs.

A safe operation of the machine requires the full attention of the operator.

Do not wear radio or music headphones while operating the machine.



100.12

SAFETY AND PROTECTIVE DEVICES

Safety and protective devices must be kept in proper working order and be fitted to the relevant location.

Always disengage the drive sections and shut off the engine before removing any of the safety and protective devices.

Keep hands, feet and clothing away from moving parts.

1.0. Safety Measures

STAY CLEAR OF ROTATING DRIVE SHAFTS

Carelessness in the area of the rotating drive shafts can result in serious injury or even death.

Always ensure that all shaft protection devices are fitted i.a.w. regulations and that the universal-joint shaft sheath tubing can turn freely. Wear close-fitting clothing. Shut off the engine and wait until all moving parts are at a standstill before adjusting or cleaning as well as connecting or disconnecting the PTO-driven machines.



EXERCISE CAUTION IN THE CASE OF LINE LEAKAGE

Leaking high-pressure fluids can penetrate the skin and cause serious injury.

The system must therefore be depressurised before lines are disconnected. Ensure that all line connections are leak-proof before the pressure builds up again in the system.

It is difficult to see hydraulic oil leaking from a small opening. For this reason, use a piece of cardboard when searching for leaks. Protect the hands and body from high-pressure fluids.

If any fluid penetrates the skin, this must be immediately removed by a doctor who has experience with this kind of injury. Failure to seek medical attention can lead to serious infection.

Doctors unfamiliar with this type of injury should reference a knowledgeable medical source.



1.0. Safety Measures

USE SAFETY LIGHTS AND EQUIPMENT

Avoid collisions with other road users. Slow moving tractors with mounted or towed equipment, and self-propelled machines on public roads pose a specific danger. Frequently check for traffic coming behind you, especially when making turns. Ensure safe traffic conditions by using hand signals or indicators. Use headlights, hazard warning lights, indicators and other safety equipment i.a.w. the respective legal provisions. Keep safety equipment in good working order. Replace missing or damaged parts. A set of safety lights is available from your dealer.



AVOID HEAT DEVELOPMENT NEAR PRESSURISED FLUID LINES

A highly flammable mist can form due to heat development near pressurised fluid lines. This can result in severe burns. Do not cause heat development by welding, soldering or using a welding torch near pressurised fluid lines or other flammable materials. Pressurised lines can be accidentally cut through when heat goes beyond the immediate flame area.



1.0. Safety Measures

REMOVE PAINT BEFORE WELDING OR HEATING PARTS

Welding should only be carried out by persons with a relevant qualifying certificate i.a.w. EN287.

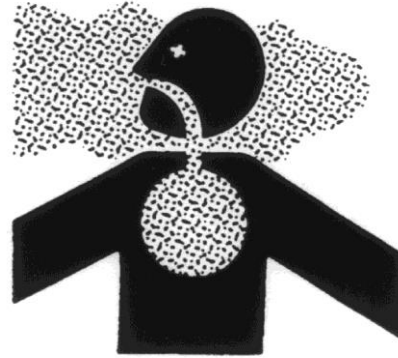
Avoid the formation of toxic fumes and dust.

Hazardous fumes can be generated when paint is heated due to welding, soldering, or using a welding torch.

All work is to be performed outdoors or in a well-ventilated area. Dispose of paints and solvents i.a.w. the appropriate regulations.

Remove paint before welding or heating parts:

- The dust generated due to the sandblasting or grinding of parts must not be inhaled. For this reason, wear suitable breathing protection.
- Where a solvent or paint stripper is used, it must be rinsed off using water and soap before carrying out any welding. Then wait at least 15 minutes before welding or heating for the fumes to disperse.



100.17

1.0. Safety

1.1. Safety decals

Pictorial safety signs

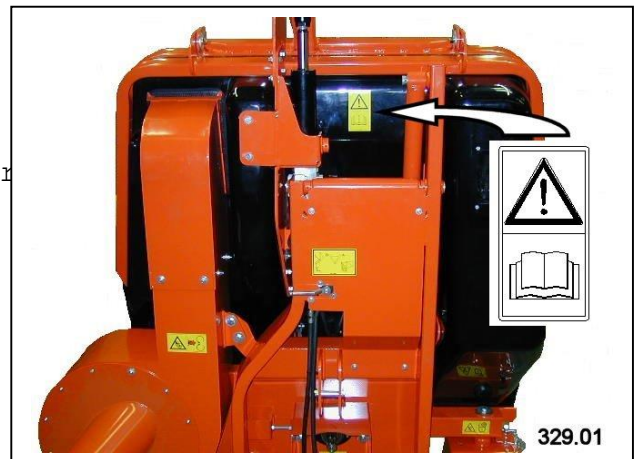
At several important places of this machine safety signs are affixed intended to signify potential danger. The hazard is identified by a pictorial in a warning triangle. An adjacent pictorial provides information how to avoid personal injury. These safety signs, their placement on the machine and a brief explanatory text are shown below.



Operator's manual

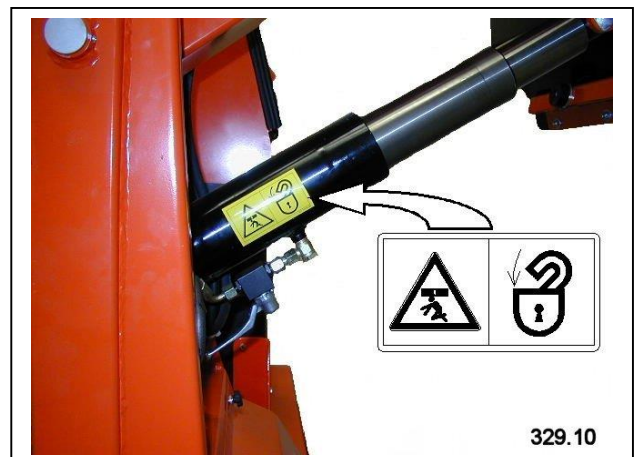
This operator's manual contains all important information necessary for safe machine operation.

Carefully observe all safety signs



Container flap lock

Before approaching the opened container flap, always engage the safety locking system.

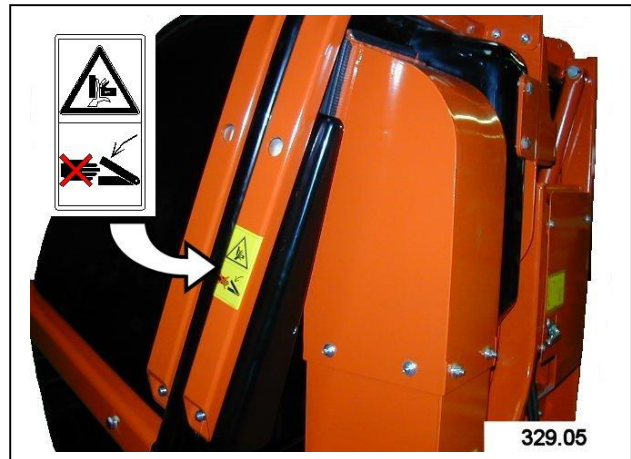


1.0. Safety

1.1. Safety decals

Container flap opening

When the tractor engine is running, stay clear of the swivel area of the container flap



Maintenance

Before performing maintenance or repair work, shut off engine and remove key.



1.0. Safety

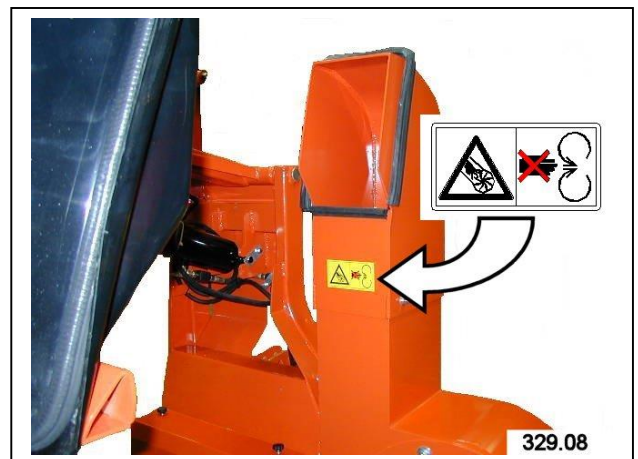
1.1. Safety decals

Blower

Never put your hands inside the blower while the engine is running.

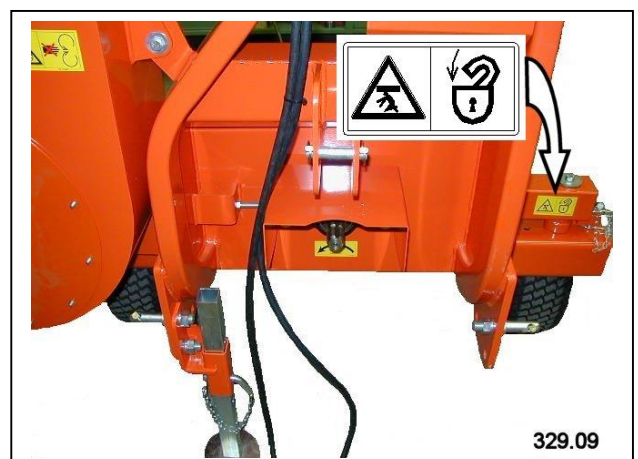


Never leave the blower running if the trap is running or the container is protruding. Otherwise, people may be injured by flying objects.



Running gear

The running wheels must be locked before laying down the material collector. Danger of tipping.



1.0. Safety

1.1. Safety decals

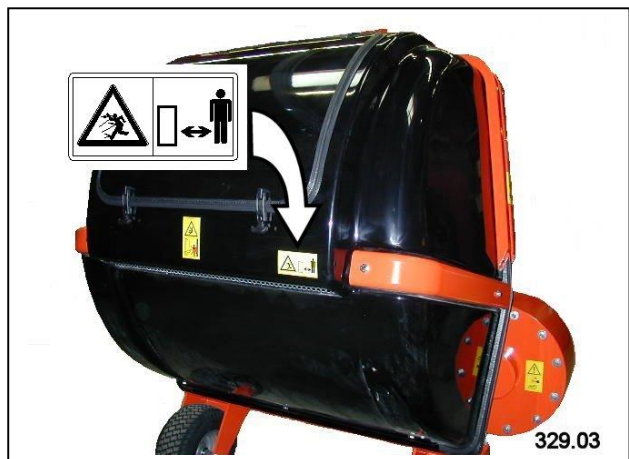
Container flap opening

Due to danger of crushing, never put your hands in danger areas as long as components are still moving.



Cleaning flap

Never leave blower running when cleaning flap is open. There is a risk of injury from thrown or flying objects.



1.0. Safety

1.2. Safety instructions



1. Besides the information in these operating instructions, please also observe generally applicable safety and accident-prevention standards!
2. Familiarize yourself with all equipment and operating elements and their functions before starting work. Ensure that all protective equipment has been properly installed - it is too late to do this when you have started work!
3. In the working area, the user is responsible for the safety of other persons.
4. During operation on public highways, the relevant traffic regulations must be observed.
5. Before moving off, ensure that the immediate area of the machine is clear, e.g. no children nearby. Ensure that your visibility is not impaired !
6. Keep all persons clear of the danger zone of the machine!
7. Mount the appliance only when the motor and the power take-off shaft have been switched-off.
8. Use only cardan shafts prescribed for the machine which is being mounted.
9. Do not exceed the max. authorized axle load of the tractor.
10. Ensure that the front-axle load is sufficient as the tractor must remain steerable.
11. Attaching the suction unit may influence the driving and operational characteristics of the tractor. The vehicle should be operated in a manner suited to the respective terrain and ground conditions. Special care should be taken when working and turning on a slope.
12. **C a u t i o n!**
Switch off the power take-off shaft before evacuating the machine.
R I S K O F B R E A K A G E !
13. Do not remain beneath the evacuated container without a safety device (see point 6.4.).
14. Only connect and disconnect parts on firm, flat ground. - DANGER OF TOPPLING!
15. The container must be securely fastened when being evacuated (high dumping) as there is an increased risk of it overturning.
16. Due to danger of toppling, maintenance work must only be carried out if parts are connected.
17. Devices placed in open terrain are subject to danger of toppling from wind force 3!
18. Switch off the machine and the tractor motor when performing any maintenance work.
19. Attach all safety devices before commissioning the suction unit.

2.0. Assembly

2.1. General Information

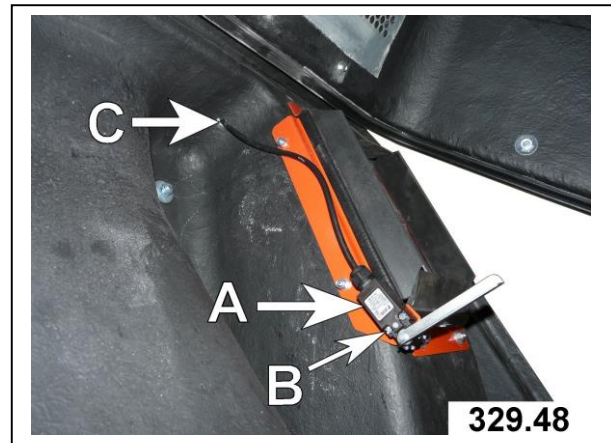
For this work, please use your personal protective equipment (PSA) such as: gloves, goggles, ear protectors.

2.2. Installing the fill level display

Secure the position switch (A) with the flexible arm in the container at the existing bores, using two cylinder screws (B).

Drill a borehole D=11 mm in the container in upward direction.

Attach rubber bushings (C) to protect the cables.

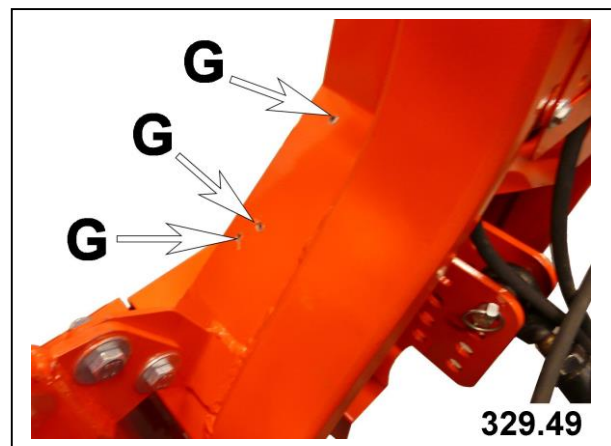


Boreholes (G) for connecting with the terminal box (F) and buzzer (D).

Attach junction box (F) to the existing bores.

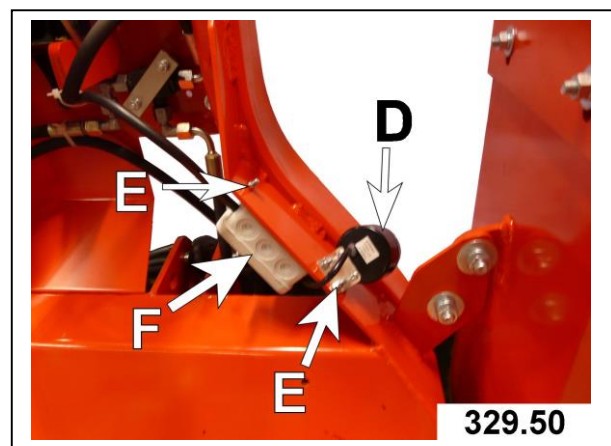
Attach the buzzer (D) to the front with two screws (E).

Lay connecting cable (with plug) along the hydraulic pipes through the recess and to the junction box.



Lay all cables to the junction box (F).

The cabling is in accordance with the enclosed connecting diagram 103 85 52.



2.0. Assembly

2.3. Fitting the long attachment



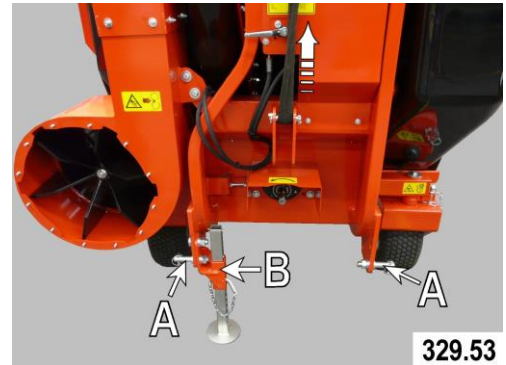
ATTENTION DANGER !

Swing the moving gear back and secure it against rotating (see section 4.2.)

secure to a crane, hook the round sling suspension tackle to the upper guide bar pin.

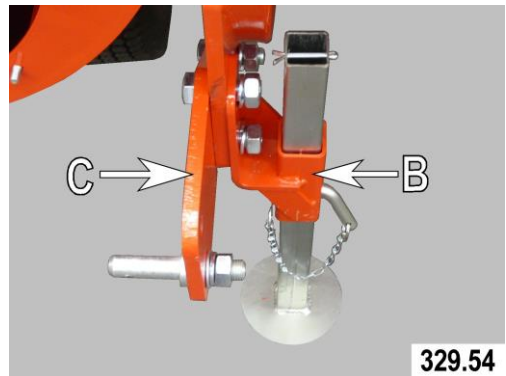
This will prevent the vacuum collector from tilting forward.

The lower guide bar pins **(A)** and the support **(B)** must only be removed when the machine is secured.



On the right-hand side of the machine, the support is fitted to the mounting bracket **(C)** and screwed on securely.

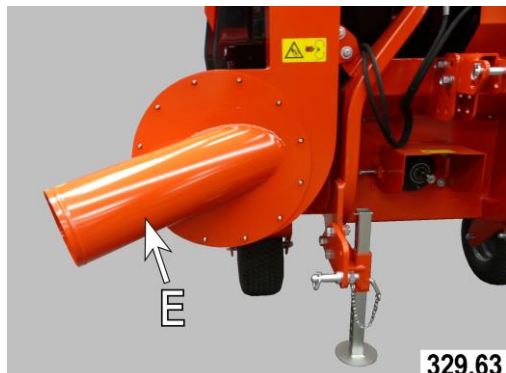
On the left-hand side of the machine, screw the mounting bracket on securely.



Fit the upper guide bar extension **(D)**.



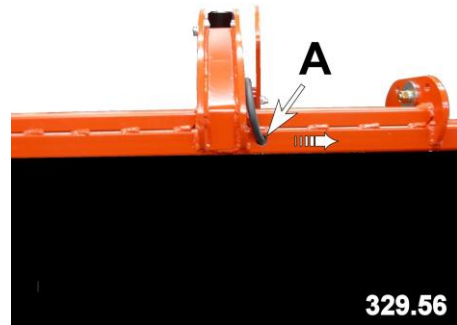
Fit the longer blower cover **(E)** supplied with the long attachment.



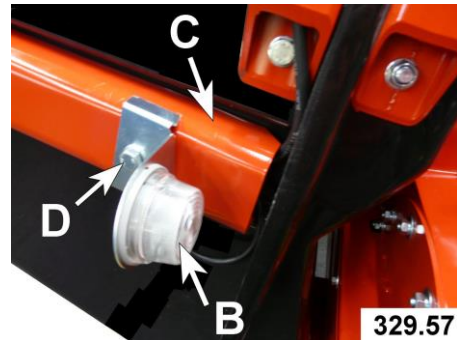
2.0. Assembly

2.4. Fitting the lighting system

Insert the electrical cable into the hole (A) on the hopper gate frame and thread it to the right.



Secure the side lamp (B) with the bracket on the right-hand side to the hopper gate reinforcement (C) using the hexagon bolt (D) provided. Route the two cables in the hopper gate reinforcement towards the rear.

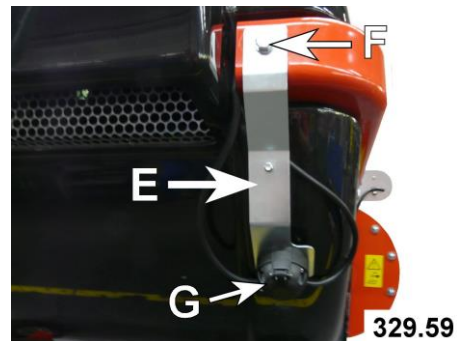


Route the electrical cable with the 7-pin connector along the hydraulic lines and towards the front and fix it in place using cable ties.



Secure the long bracket (E) on the right-hand side at the rear of the hopper gate reinforcement using the hexagon bolt (F) provided. Secure the socket (G) to the bracket and connect the two cables as shown in the connection diagram.

To secure it at the bottom, drill a hole through the rear wall of the hopper gate to match the bracket. Secure the bracket at the bottom of the hopper gate.



Secure the short bracket (H) on the left-hand side at the rear to the hopper gate reinforcement using the hexagon bolt (K) provided.

Screw the lighting carriers to the two brackets. Connect the connector to the socket.



3.0. Transport

3.1. General Information



ATTENTION DANGER !

- The grass and leaf vacuum collector is secured to a transport frame for delivery.
- Only use fork lifts, cranes or hoisting gear with sufficient lifting capacity.
- Never stand under lifted loads. There is an imminent danger to life if the load falls.

Improper transportation and fitting of the grass and leaf vacuum collector may:

- injury to persons,
- damage to property.

Pay special attention to the direction of approach when lifting the machine with the transport frame.

We do not accept any liability for damage resulting from improper handling.

3.0. Transport

3.2. Transporting the grass and leaf vacuum collector



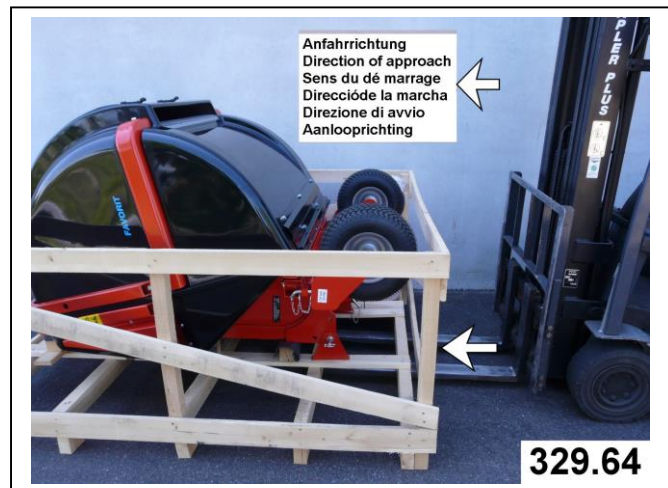
CAUTION DANGER:

Caution must be exercised when cutting through the securing straps. Risk of injury due to ends "springing open".

3.2.1. Transport Using a Forklift

If the grass and leaf vacuum collector is still secured to the transport frame:

- Insert the forks under the transport frame (pay attention to the direction of approach),
- carefully lift the transport frame,
- Unload the grass and leaf vacuum collector from the transport device when it is balanced,
- cut through the securing straps,
- Fit the grass and leaf vacuum collector to the tractor and lift it from the transport frame (see point 4.2.).



4.0. Tractor attachments

4.1. Attaching material collector to tractor



CAUTION:

Only attach the collector with the support legs on a solid, even surface.
OVERTURNING HAZARD!

If the parking stand is not installed on the blower side in accordance with

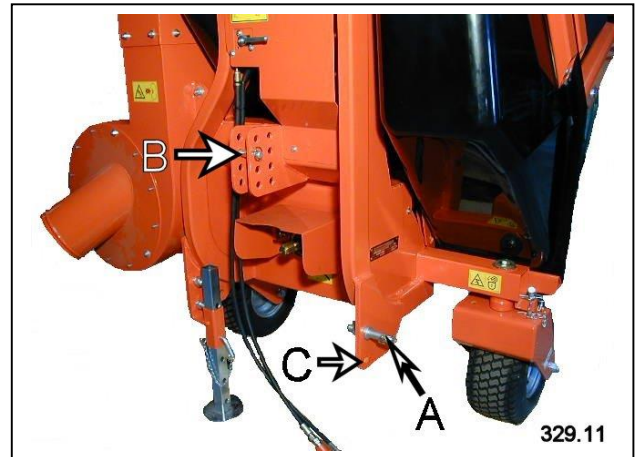
1. Attach the bottom connecting rod to the bolts (A) and secure it.
2. Attach the top connecting rod to the bolt (B) on the suction unit and secure it.
3. Firmly tighten turnbuckles of the stabilizing chains.
4. Adjust the cardan shaft and install it.

IMPORTANT: If the tractor has a driver's cabin, close the rear window.
RISK OF BREAKAGE!

5. Adjust the top connecting rod in such a way that the collector is at a right angle to the ground.
6. Unscrew the running gear safety device on both wheels.

illustrations 329.11, there is an increased risk of toppling and accidents. This can result in serious injuries.

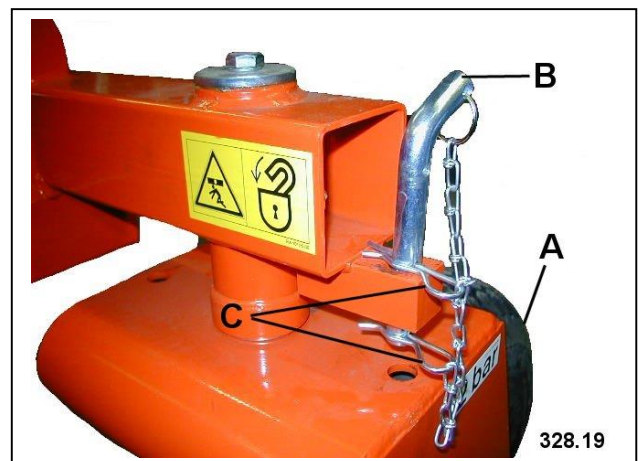
A second parking stand must not be installed.



4.2. Unscrewing the running gear safety device

Unscrew both spring cotters (C).

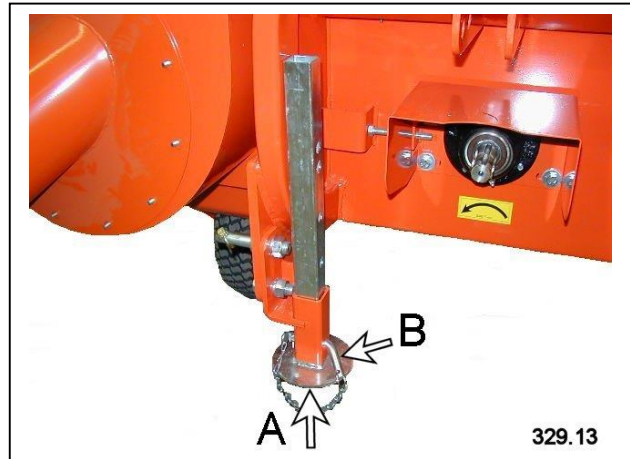
Pull the connecting pin (B) upwards out of the hole in the wheel fork. Use both spring cotters (C) to secure the connecting pin (B) so that it cannot latch into place in the hole.



4.0. Tractor attachments

4.3. Support leg

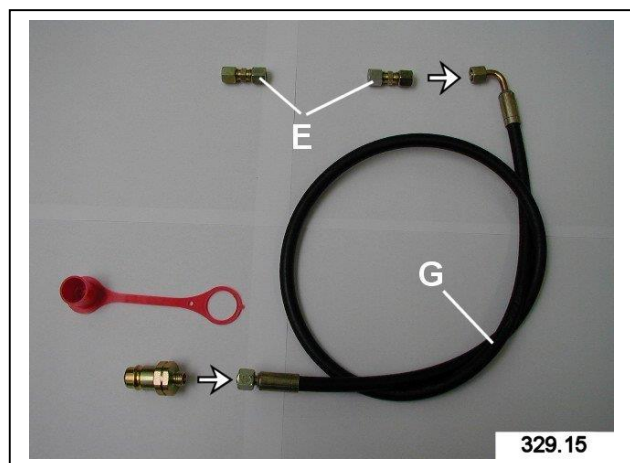
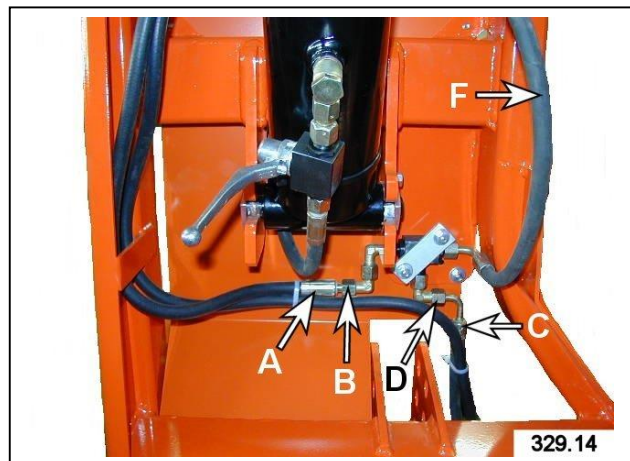
After attaching the collector, push the support leg up as far as possible (A), connect it (B) and secure it in place.



4.4. Converting the hydraulics

For tractors with 3 hydraulic connectors, the machine can be converted using the attached hydraulic kit.

1. Unscrew the hydraulic hose (A) from the screw fitting (B).
2. Unscrew the hydraulic hose (C) from the screw fitting (D).
3. Connect hydraulic hoses (A) and (C) with a screw fitting (E).
4. Unscrew the hydraulic hose (F) from the change-over cock.
5. Attach hydraulic hose (G) to hydraulic hose (F) with the second screw fitting (E).



4.0. Tractor attachments

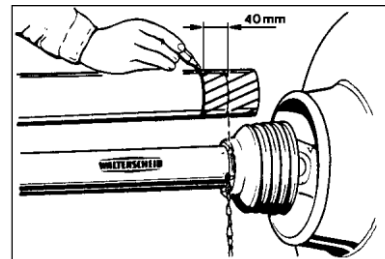
4.5. Connecting the hydraulics

The hydraulics are connected to the hydraulic connectors on the rear end of the tractor.

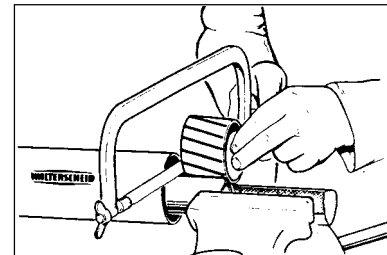
If the tractor does not have a hydraulic connector, contact your dealer.

4.6. Cardan shaft adjustment

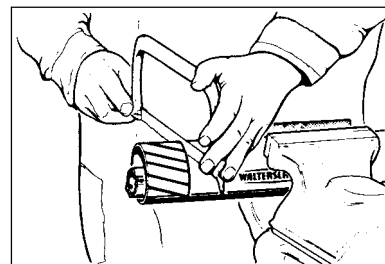
For length adjustment, hold the cardan shaft halves in the shortest operating position beside each other and mark.



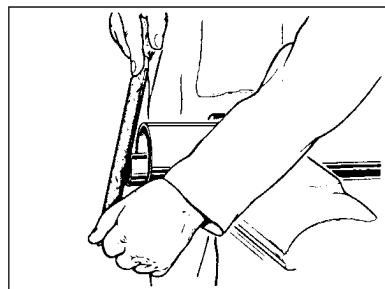
Shorten inner and outer sliding profiles by the same length as the guard tube.



Shorten inner and outer guard tubes by the same length.



Round off the separating edges and carefully remove chips. Grease sliding profile.



4.0. Tractor attachments

4.7. Ballast

When attaching rear-mounted equipment, always ensure there is sufficient front-axle load; the steering capability of the vehicle must be maintained. Always position weights in accordance with specifications at the securing points provided.

When selecting the front weights, ensure that the permissible axle loads and permissible total weight, including mounted equipment, are not exceeded.



IMPORTANT :

Observe the tractor specifications in the Operating Manual.

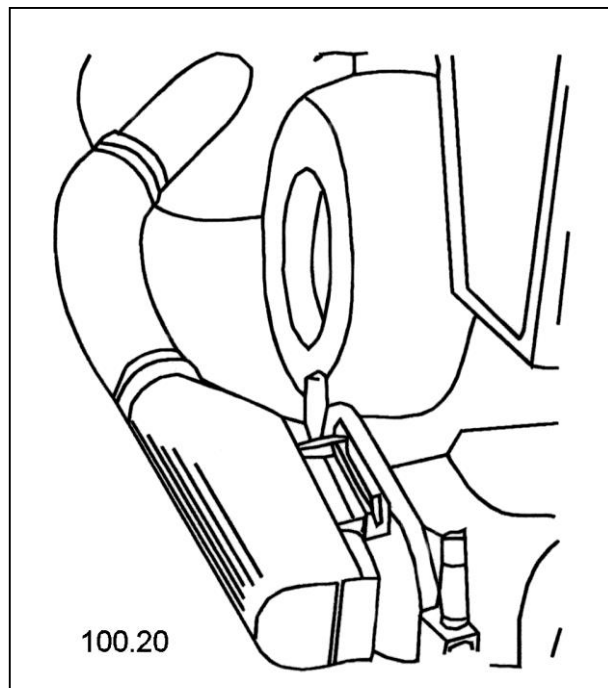
4.8. Attaching suction hose and intake fitting

at intermediate or front mower:

The intake fitting is connected by means of a plug-in pin to the connection point provided. The flexible suction hose is fitted onto the intake fitting and secured by the hose clamp.

The suction hose is guided by the movable guide ring (for front mower) and secured to the fitting of the blower cover by means of a pipe clamp.

When doing this, take care that the hose does not touch the ground or come into contact with the wheels.



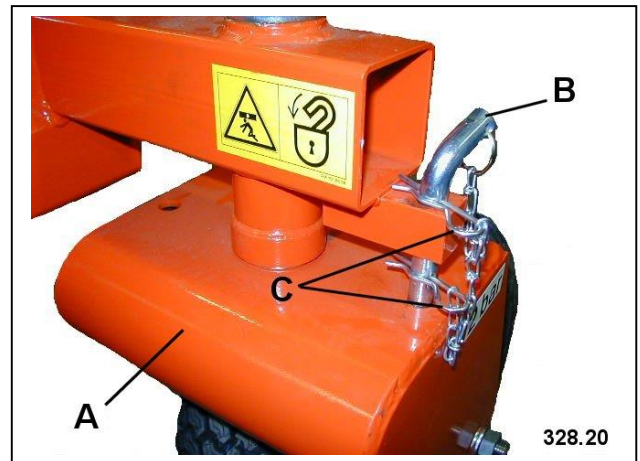
5.0. Removal from Tractor

5.1. Securing the running gear

Swivel both running wheels (A) to the back.

Unscrew both spring cotters (C).

Push the connecting pin (B) downwards into the hole in the wheel fork and secure it in place with both spring cotters (C).



5.2. Removing the material collector



CAUTION:

**When disconnecting,
place supports on firm,
flat ground.**

- DANGER OF TOPPLING!

- Lower the support leg, connect it and secure it in place.
- Drain the suction unit.
- Disconnect the hydraulic line and remove the cardan shaft.
- Declamp the top connecting rod and remove it from the collector.
- Unscrew the spanner nut on the bottom connecting rod and remove the rod from the locating pin on the collector.
- Unscrew the extractor from the lawn mower.



CAUTION :

**Ensure that all
connections to the
collector have been
removed.**

OVERTURNING HAZARD !

6.0. Before initial operation

6.1. Attaching the container flap

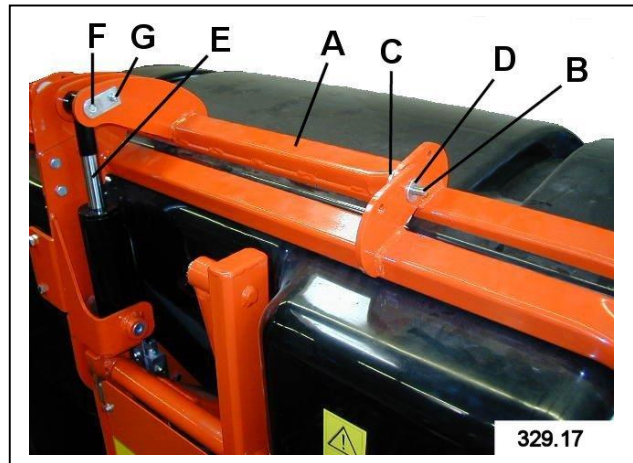


CAUTION :

Prior to attaching the container flap, the collector must be attached to the tractor.

DANGER OF TILTING !

- Secure container flap (A) with screw and U-disc on both sides of the container.
- Insert distance ring (B) in bore on container.
- Secure container flap (A) with U-disc, spring washer and nut.
- Remove hydraulic cylinder (C) with pin (D) from container flap.
- Secure pin (D) with spring washer and screw (E).



6.2. Fitting the blower cover



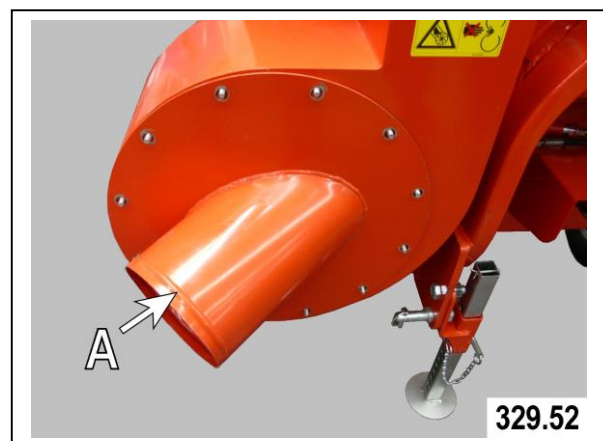
ATTENTION DANGER!

The blower cover (A) must be fitted before the machine is started up.

- RISK OF INJURY !

The angle of the suction pipe must be adjusted depending on the tractor used to pull the machine.

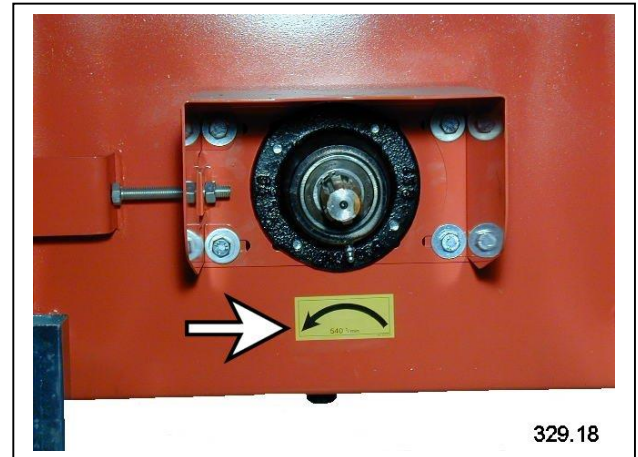
Pay attention to the suction hose connection when doing so.



6.0. Before initial operation

6.3. Checking speed and direction of rotation of tractor power take-off shaft

Check the speed and direction of rotation (decals on front side of machine) and compare with your tractor data. The decal tells you the speed and direction-of-rotation settings of the machine.



6.4. Testing opening and closing function of container flap

Familiarize yourself with all equipment and operating elements and their functions before starting work. It is too late to do this when you have started work!

Open and close container flap. Then check hydraulic oil level in the tractor and top up with oil if necessary. This is necessary as the hydraulic system of the collector is filled for the first time.

NOTE: Vent hydraulic lines and hydraulic cylinder

7.0. Operation

7.1. Driving characteristics



CAUTION :

The driving and operational characteristics of the tractor may be influenced by the attachment of the collector.

- Always adapt your driving style to match the terrain and ground conditions.
- Special care should be taken when working and turning on a slope.

7.2. Transport

Transport the collector on roads only when it is empty as, with some tractor types, the permissible axle load for road transportation may be exceeded.

7.3. Observing switching on sequence

- Switch on vacuum in operating position.
- Switch on mowing equipment.

Operate at maximum tractor engine speed and at a suitable driving speed.

7.0. Operation

7.4. High-level tipping of container

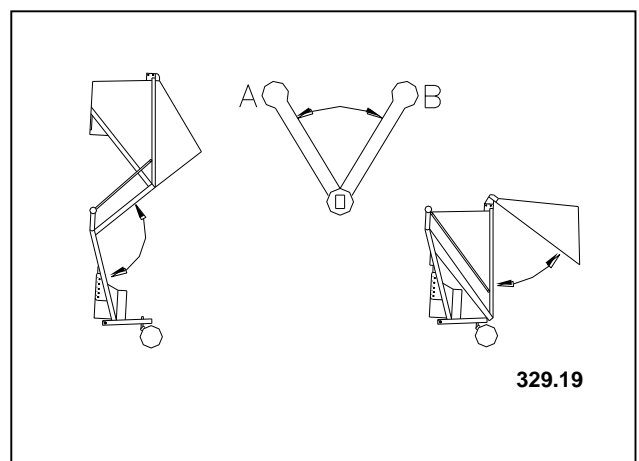
- Switch off mower and collector.
- Lift up mower.
- Drive to filling object, stopping just before it.
- The collecting device needs to be on the chassis for emptying.
- Move control valve on collector to position "A".



CAUTION :

The high-level tipping system must NOT be actuated when the collector is at an angle. DANGER OF TILTING !

- Lift up container by actuating control valve on tractor.
- With container raised up, drive carefully over to desired filling object.
- Switch over control valve on collector to position "B".
- Initiate container tipping procedure by actuating the tractor control valve.
- Drive away again after the filling object has been emptied.
- To close the container flap, move the lever on the tractor control valve to the required position and hold there until the container flap is closed and the control valve on the collector has been switched back to position "A".
- To lower the container, move the lever of the control valve on the tractor to the appropriate position.



7.0. Operation

7.5. Troubleshooting



CAUTION :

Clean with a hand brush
or water only. Never
with your bare hands.
RISK OF INJURY !

Fault	Cause	Remedy
Poor Grass collection	Long grass	Mow grass twice or mow at half working width
	Working speed too high	Reduce working speed
Clogging in the area of suction hose and/or intake fitting	Thick, wet, long grass, or working speed too high	Release intake fitting on lawn mower. With the blower activated, shake the intake fitting until the obstructing material is sucked away from the blower.
	Contaminated grid plate in the container flap or container is full	Empty container and clean grid plate
No extraction capacity	Clogging in blowing channel	Empty containers and, with the drive deactivated, clean the blowing channel with a suitable tool (rod)
	V-belt slips	Check V-belt tension, retension if necessary
No, or only insufficient, container lifting during high-level tipping	No, only insufficient, hydraulic pressure	Check oil level in tractor
Container flap opens by itself in operation	Contaminated or leaking shut-off valve	Clean shut-off valve or replace

8.0. Maintenance

8.1. General information



CAUTION :

The engine must be shut down before all tasks. The ignition key must also be removed.

The centrifugal mass may cause the blower to run on.

Do not move too near to the machine during this time.

Work can only be continued when the device is at a standstill.

Due to the danger of tilting, maintenance work can only be carried out with the equipment installed.

Upon completion of maintenance work, reinstall all protective devices.

8.2. Blower wheel

When working with the collector, foreign bodies will inevitably get sucked into the machinery.

The damage caused to the blower wheel in this way can even lead to wheel imbalance.

If you detect a wheel imbalance, the machine must be shut down immediately.

The blower wheel must be removed and balanced.

8.0. Maintenance

8.3. Hydraulics system

Check hydraulic lines at regular intervals for damage and aging and replace if necessary.



CAUTION :

The grass and leaf vacuum collector is not approved for use of bio oils.



CAUTION :

High-pressure fluids which leak under high pressure can penetrate the skin and cause serious injury. For this reason, always depressurize the system before disconnecting lines. Before pressure builds up again in the system, ensure that there are no leaks in any of the line connections. Hydraulic oil escaping from a small opening is hardly visible. A piece of cardboard should therefore be used when looking for leaks. Protect hands and body. If a fluid penetrates the skin, it must be removed immediately by a doctor who is familiar with such injuries; otherwise serious infections could result. Doctors who are unfamiliar with this type of injury should obtain relevant information from a competent medical source.

8.0. Maintenance

8.4. Safety locking on high-level tipping system



CAUTION :

When working under the raised container, the safety locking system must be engaged to secure the container against inadvertent lowering.
RISK OF INJURY !

- raise container with high-level tipping system to maximum height.
- Pull ball cock handle outward, turning it 90° at the same time (see Fig. RA328.22).
- To unlock, pull the ball cock handle outward, turning it back by 90°.



8.5. Checking plastic parts



CAUTION :

In the course of use, the blower may cause foreign bodies to be flung out through cracks.
RISK OF INJURY!

Check all plastic parts for cracks and wear and tear regularly.

If you notice wear and tear or cracks in the plastic parts, do not use the machine and replace the damaged parts.

8.0. Maintenance

8.6. Cleaning the material collector



CAUTION :

Clean with a hand brush
or water only - never
with your bare hands.
RISK OF INJURY !

Clean the machine daily after completion of collecting work. This will ensure that the machine is in perfect working order the next time you use it.

Only clean grid plates allow the machine to be filled to full capacity and permit proper functioning.

Main cleaning areas are:

- Intake fitting
- Suction hose
- Blower
- Grid plates in the container flap
- Perforated screens in hopper and hopper gate

Do not open the cleaning flap **(A)** unless the drive has been switched off.

Only open the cleaning flap **(A)** to clean the perforated plate **(B)** in the hopper gate.



8.0. Maintenance

8.7. Threaded bolt for fine adjustment of the hopper gate



CAUTION :

When working under the raised container, the safety locking system must be engaged to secure the container against inadvertent lowering.
- RISK OF INJURY !

Raise the hopper until the upper guide bar (A) reaches a horizontal position.

Remove the fixing screw (B).

Undo the hexagon nut (C) and turn it up to the clamping sleeve.

Swing the two half shells to the right and push them to the left into the slot.

Tighten the hexagon nut (C) by hand to fix the position.

Undo the hexagon nut (D).

Lower the hopper to adjust it.

The hopper can be adjusted by turning the threaded bolt (E).

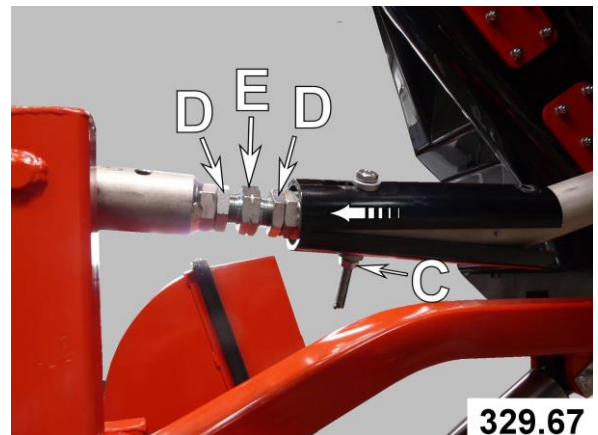
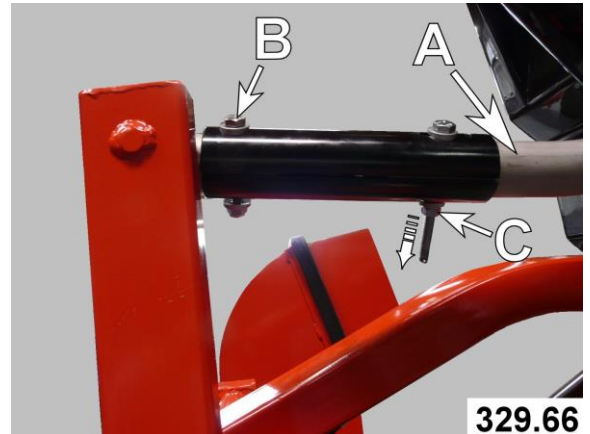
Pay attention to the blow-off channel sealing when doing so.

The frame and the hopper should be positioned equally on the three metal vibration dampers.



Check the threaded bolt (E) regularly for damage and for the formation of cracks.

Damaged threaded bolts must be replaced.



8.0. Maintenance

8.7. Threaded bolt for fine adjustment of the hopper gate

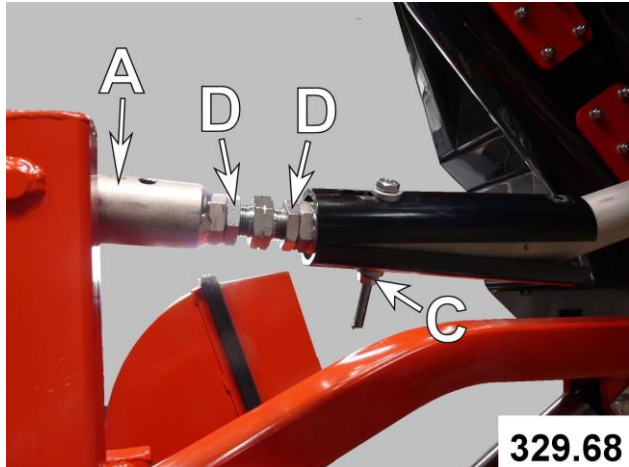
Once the hopper has been adjusted, raise it until the upper guide bar (A) reaches a horizontal position.

Tighten the hexagon nut (D) to secure the adjustment.

Undo the hexagon nut (C).

Move the two half shells back to their starting position.

Tighten the fixing screws on the half shells.



8.8. Wheels

Check the air pressure on a regular basis : 2 bar



CAUTION :

Serious or fatal injuries caused by tires and rim parts can result through explosion-type bursting of the tires.

Always make sure that tire pressure is correct and does not exceed the specified maximum pressure limit.

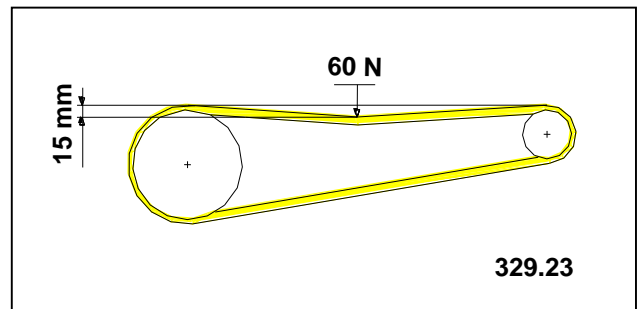
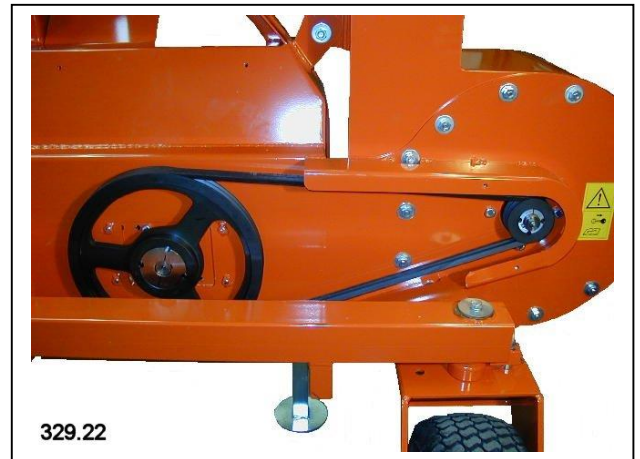
Check wheels and tires daily for underpressure, cuts, warping or damaged rims.



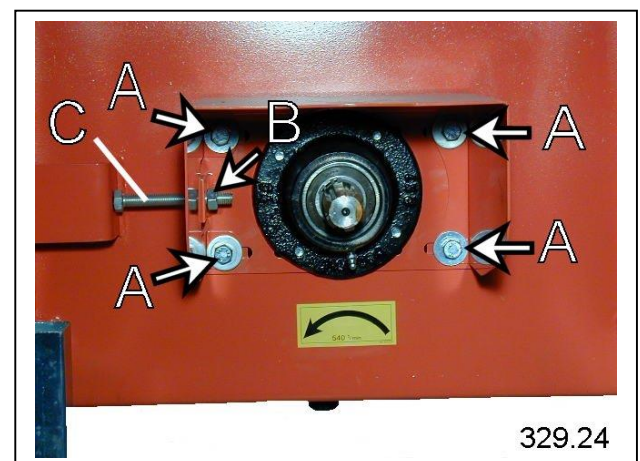
8.0. Maintenance

8.9. V-belt drive

Check V-belt tension on a regular basis. The V-belt must press between the belt pulleys by about 15 mm at a load of 60 N.



1. Release securing screws (A) and locknut (B).
2. Insert screw (C) until the values for the correct V-belt tension are reached.
3. Tighten locknut (B) to secure setting.
4. Tighten screw (A) to secure drive bearing.



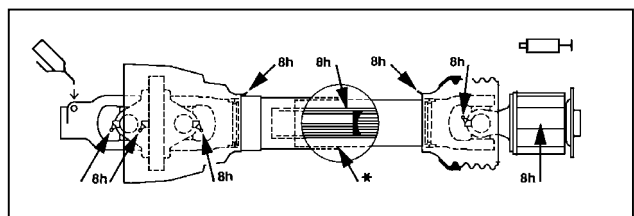
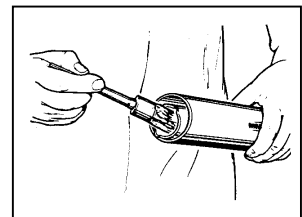
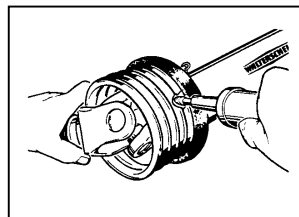
8.0. Maintenance

8.10. Lubrication – general information

- Before starting any lubrication work, the engine must be shut down and the ignition key removed.
- Lubricate more often than specified if necessary.
- All exposed machine parts, thread spindles and guides should have a permanent, thin coating of oil.
- Clean lubrication nipple prior to lubrication.
- Wipe off any grease that emerges.
- Prior to operation after a long out-of-service period, lubricate the entire machinery and perform the maintenance tasks.

8.10.1. Lubrication (daily)

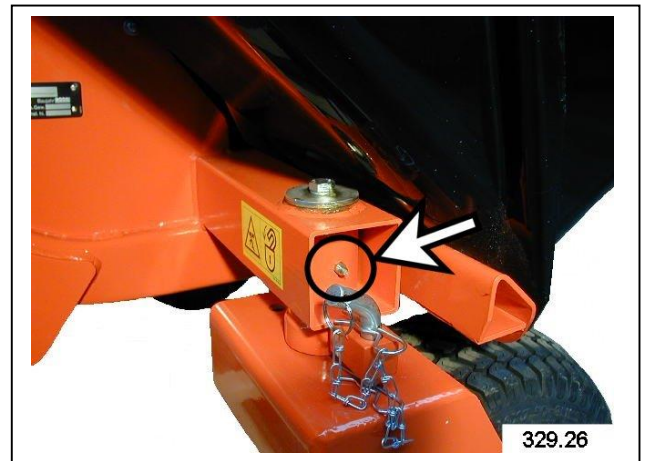
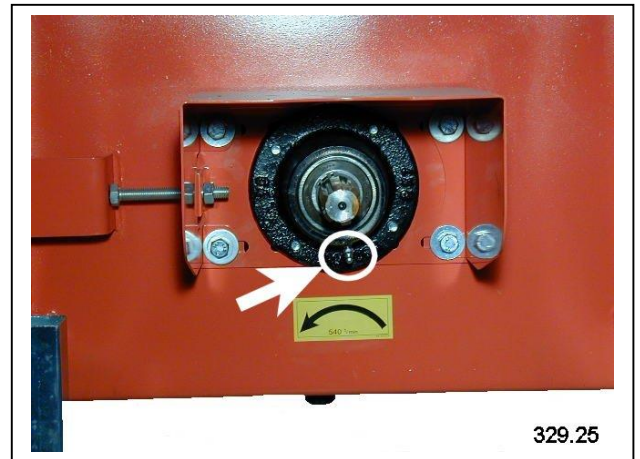
- Remove dirt from profile tubes and protective tubes.
- Apply grease to inside of outer sliding profile.
- Lubricate points marked on the illustration by arrows on a daily basis.
- Prior to all long out-of-service periods, clean and lubricate cardan shaft.



8.0. Maintenance

8.10.2. Lubrication (weekly)

Lubricate points marked on the illustration by arrows once a week.



8.0. Maintenance

8.11. Disassembly / disposal



CAUTION :

Proceed with caution when disassembling the collector. Please refer to the chapter "Safety measures" and local safety regulations.

Main areas of danger are:

- residual pressure in lines and components,
- heavy parts that could fall after disassembly,
- sharp edges,
- crushing if machine topples.

Disassembly for disposal

1. Place collector on firm ground.
2. Drain hydraulic oil.
3. Disassemble collector, working from top to bottom.

IMPORTANT:

Specifications and laws concerning the disposal of hazardous substances and pollutants must be observed in all cases. Familiarize yourself completely with the procedure for disposal.

8.12. Unauthorized conversion and spare part manufacture

- Conversions of or modifications to the collector are permissible only after consultation with the manufacturer !
- The use of original parts and accessories authorized by the manufacturer is in the interest of safety. The use of other parts can change the properties of the collector. In this case, the manufacturer is exonerated from liability in the event of damage.

9.0. Equipment

9.1. Scope of Delivery

- Favorit XP with high-power turbine - moves clockwise;
- Drive 540 U/min. on right
- Hydraulic high-dumping
- Running gear and support leg
- 1,200-liter plastic trap
or
1,500-liter plastic trap
- Add-on parts
three-point KAT.I
- Drive shaft
- B Operating manual,
spare-parts list and
guarantee card.

Required for installation:

- Suction hose and suction pipe
depending on tractor and
mower deck (center axle or
front).
- Suction hose guide depending
on tractor (only in front
mowers).

9.2. Special equipment

- Manual vacuum collector, 5 m long
- Lighting system
- Fill level display
- Long attachment

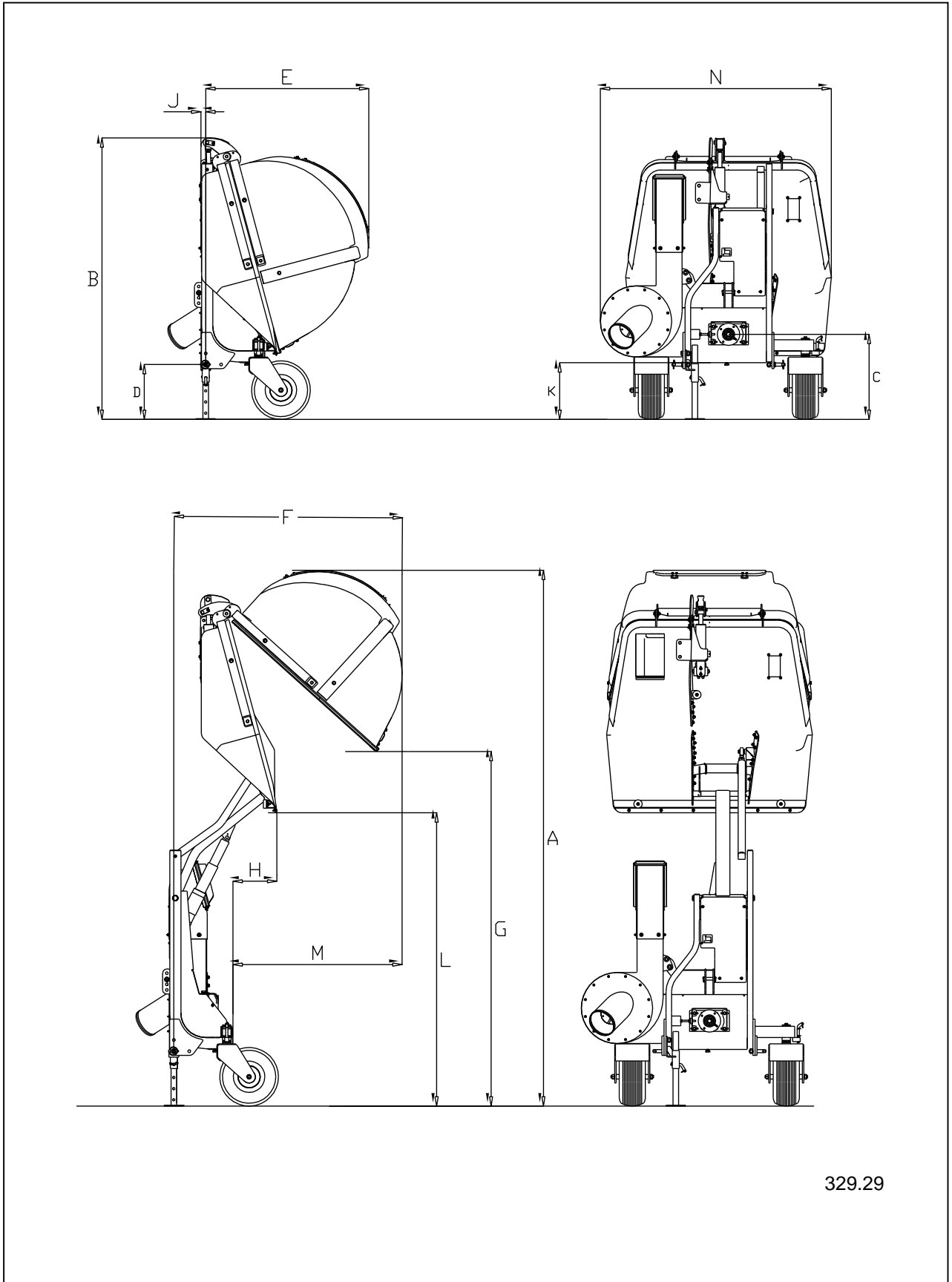
10.0. Technical data

10.1. Technical data with 1200-liter container flap (ground-level tipping)

A	Height max. with running gear	3820 mm
B	Height with running gear	2020 mm
C	Height up to center of drive shaft	600 mm
D	Height to lower guide bar connection	380 mm
	Height to upper guide bar connection	460 mm
E	Length with trap	1220 mm
F	Max. length with open trap	1660 mm
G	Height up to lower edge of trap	2480 mm
H	Excess length from frame to lower edge of container	350 mm
J	Connection for bottom connecting rod as far as connection for top connecting rod	40 mm
K	Height up to lower edge of frame	400 mm
L	Height up to lower edge of container	2030 mm
M	Distance from frame to open trap	1260 mm
N	Machine width	1660 mm
	Drive speed	540 U/min.
	Working speed of blower	approx. 2396 U/min.
	Volume of container	1,200 litre
	Tires	16x7.50-8/4PR
	Diameter of tires	410 mm
	Tyre pressure	2 bar
	Sound level LWA measured with the John Deere 4400 tractor; not including mower	106 dB(A)
	LPA sound pressure level	77 dB(A)
	Weights:	
	Weight without suction hose or suction pipe	approx. 510 kg
	Long attachment	20 kg
	Weight of fill level indicator	2 kg
	Weight of suction hose and intake fitting	approx. 18 kg
	Max. weight without additional load	550 kg
	Max. weight with additional load	850 kg

10.0. Technical data

10.1. Technical data with 1200-liter container flap (ground-level tipping)



329.29

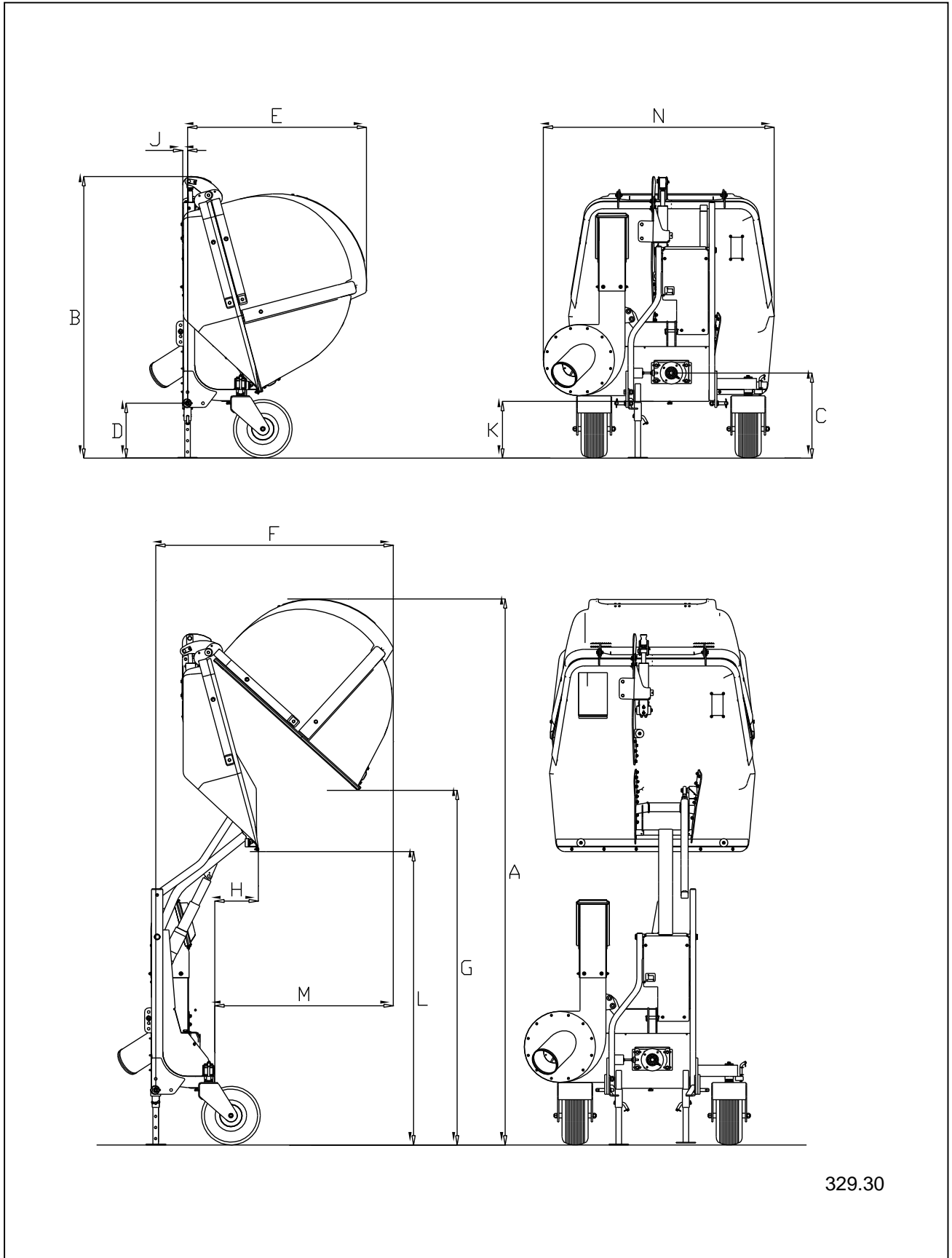
10.0. Technical data

10.2. Technical data with 1500-liter container flap (ground-level tipping)

A	Height max. with running gear	3840 mm
B	Height with running gear	2020 mm
C	Height up to center of drive shaft	600 mm
	Height to lower guide bar connection	380 mm
D	Height to upper guide bar connection	460 mm
E	Length with trap	1280 mm
F	Max. length with open trap	1720 mm
G	Height up to lower edge of trap	2480 mm
H	Excess length from frame to lower edge of container	350 mm
J	Connection for bottom connecting rod as far as connection for top connecting rod	40 mm
K	Height up to lower edge of frame	400 mm
L	Height up to lower edge of container	2030 mm
M	Distance from frame to open trap	1310 mm
N	Machine width	1660 mm
	Drive speed	540 U/min.
	Working speed of blower	approx. 2396 U/min.
	Volume of container	1,500 litre
	Tires	16x7.50-8/4PR
	Diameter of tires	410 mm
	Tyre pressure	2 bar
	Sound level LWA measured with the John Deere 4400 tractor; not including mower	106 dB(A)
	LPA sound pressure level	77 dB(A)
	Weights:	
	Weight without suction hose or suction pipe	approx. 520 kg
	Long attachment	20 kg
	Weight of fill level indicator	2 kg
	Weight of suction hose and intake fitting	approx. 18 kg
	Max. weight without additional load	560 kg
	Max. weight with additional load	960 kg

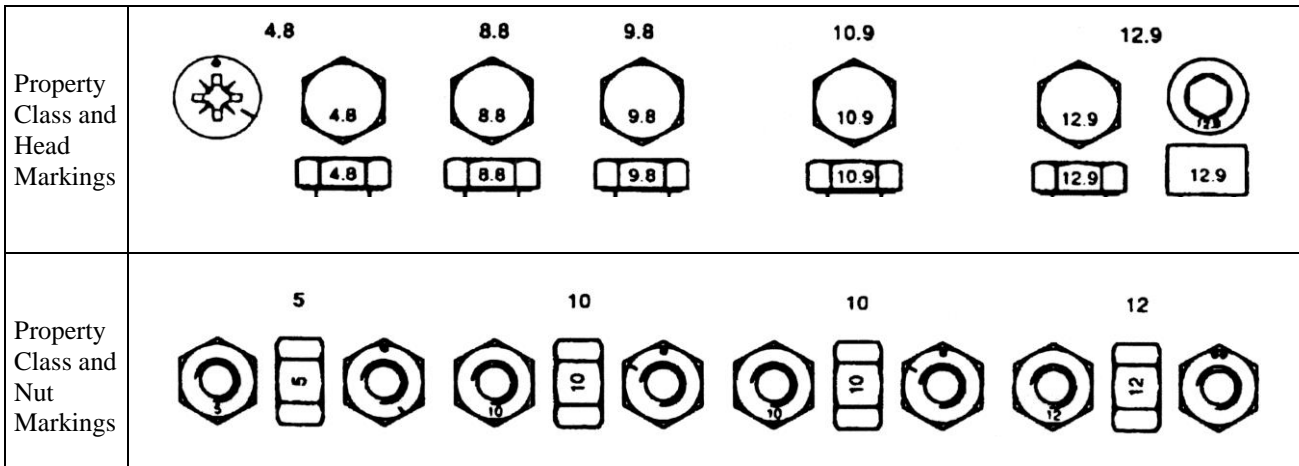
10.0. Technical data

10.2. Technical data with 1500-liter container flap (ground-level tipping)



10.0. Technical data

10.3. METRIC BOLT AND CAP SCREW TORQUE VALUES



Size	class 4.8				class 8.8 or 9.8				class 10.9				class 12.9			
	Lubricated *		Dry **		Lubricated *		Dry **		Lubricated *		Dry **		Lubricated *		Dry **	
	N-m	lb-ft	N-m	lb-ft	N-m	lb-ft	N-m	lb-ft	N-m	lb-ft	N-m	lb-ft	N-m	lb-ft	N-m	lb-ft
M6	4,8	3,5	6	4,5	9	6,5	11	8,5	13	9,5	17	12	15	11,5	19	14,5
M8	12	8,5	15	11	22	16	28	20	32	24	40	30	37	28	47	35
M10	23	17	29	21	43	32	55	40	63	47	80	60	75	55	95	70

M12	40	29	50	37	75	55	95	70	110	80	140	105	130	95	165	120
M14	63	47	80	60	120	88	150	110	175	130	225	165	205	150	260	190
M16	100	73	125	92	190	140	240	175	275	200	350	255	320	240	400	300

M18	135	100	175	125	260	195	330	250	375	275	475	350	440	325	560	410
M20	190	140	240	180	375	275	475	350	530	400	675	500	625	460	800	580
M22	260	190	330	250	510	375	650	475	725	540	925	675	850	625	1075	800

M24	330	250	425	310	650	475	825	600	925	675	1150	850	1075	800	1350	1000
M27	490	360	625	450	950	700	1200	875	1350	1000	1700	1250	1600	1150	2000	1500
M30	675	490	850	625	1300	950	1650	1200	1850	1350	2300	1700	2150	1600	2700	2000

M33	900	675	1150	850	1750	1300	2200	1650	2500	1850	3150	2350	2900	2150	3700	2750
M36	1150	850	1450	1075	2250	1650	2850	2100	3200	2350	4050	3000	3750	2750	4750	3500

DO NOT use these values if a different torque value or tightening procedure is given for a specific application. Torque values listed are for general use only. Check tightness of fasteners periodically.

Shear bolts are designed to fail under predetermined loads. Always replace shear bolt with identical property class

Fasteners should be replaced with the same or higher property class. If higher property class fasteners used, these should only be tightened to the strength of the original.

* "Lubricated" means coated with a lubricant such as engine oil, or fasteners with phosphate and oil coatings.

S Make sure fasteners threads are clean and that you properly start thread engagement. This will prevent them from failing when tightening.

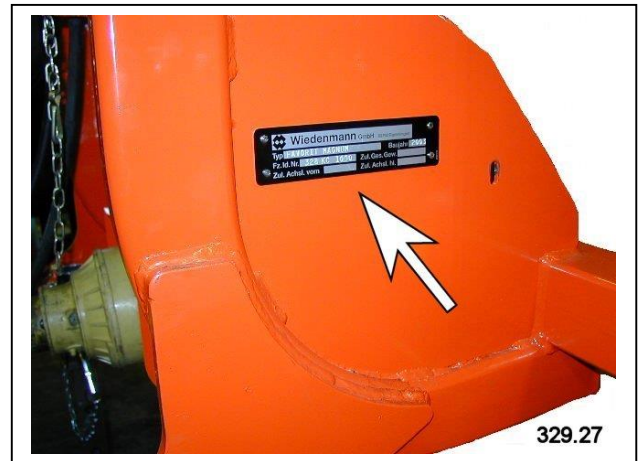
Tighten plastic insert or crimped steel-type lock nuts to approximately 50 percent of the dry torque shown in the chart, applied to the nut, not to the bolt head. Tighten toothed or serrated-type lock nuts to the full torque value.

** "Dry" means plain or zinc plated without any lubrication.

10.0. Technical data

10.4. Serial number

Enter the respective numbers in the space provided below. This number should be quoted in the event of warranty claims and when ordering spare parts.



Prod Ident No.: _____