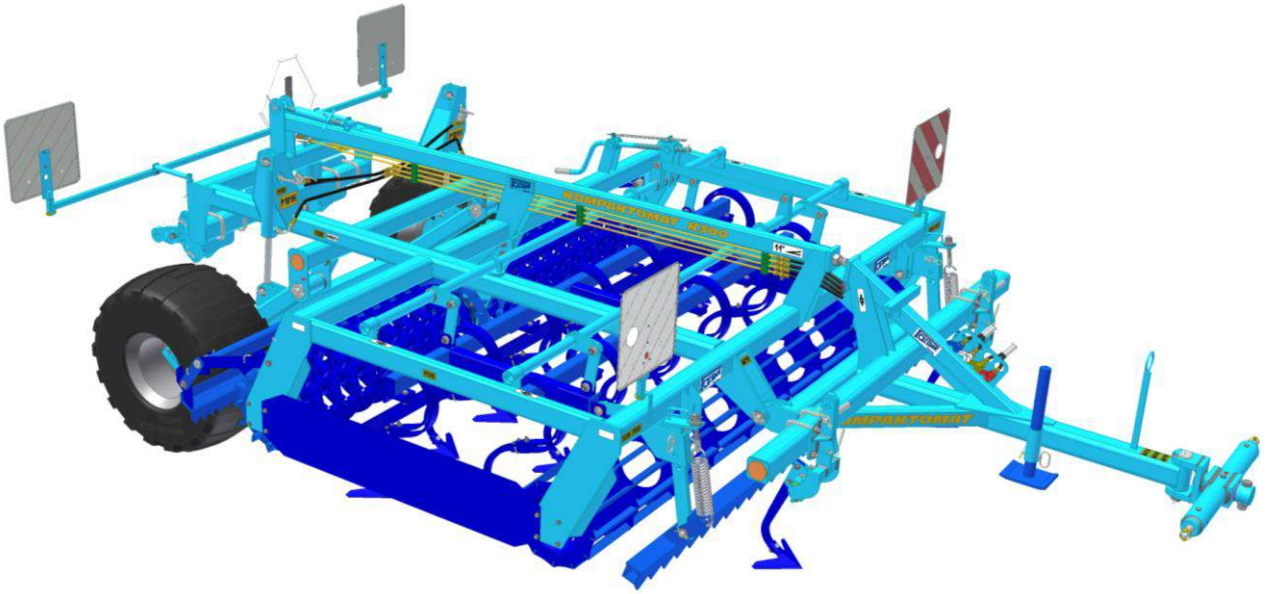
The effective technology

OPERATING MANUAL

SEMI-MOUNTED KOMPAKTOMAT

K-300P



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Dear Customer,

The ***K Series*** Semi-mounted Kompaktomats are quality products by Farmet a.s., Česká Skalice, Czech Republic.

The advantages of your machine can be fully utilized after studying this Operating manual thoroughly.

The serial number of the machine is stamped on the index plate and mentioned in the Operating manual (see Tab. 1). This serial number should be mentioned for reference when ordering spare parts. The index plate is located on the central frame near the shaft.

All spare parts should be ordered according to the official ***Spare Part Catalogue*** issued by Farmet a.s., Česká Skalice, Czech Republic.

The Use of Your machine
The Kompaktomat is designed for soil preparation before sowing and for follow-up operations after ploughing or stubble ploughing. Use the machine with the tractors the output of which is 60 to 75 kW. For the optimum soil cultivation keep the working speed between 12 to 14 km p.h.

Table 1

MACHINE MODEL	
MACHINE SERIAL NUMBER	
SPECIAL MODEL OR ACCESSORIES	

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A. LIMITING PARAMETERS

A.1 [1] Operator(s) may use the machine for agricultural purposes only as an exchangeable implement aggregated with a tractor.

A.1.1 [25] Operator(s) may use the machine only for soil preparation before sowing as a follow-up operation after ploughing or stubble ploughing in the field.

A.2 [3] Operator(s) must not use the machine for other purposes, especially:
- [4] Transporting persons on the machine,
- [5] Transporting loads on the machine,
- [6] Aggregating the machine with a towing vehicle other than that mentioned in Chapter **E.3**.

A.3 [7] The person authorized to work with the machine must:
- [8] A person has to be a bearer of the driving licence of the respective category,
- [9] Provably be acquainted with the Operating manual, Labour-protection Rules command must have a good practical command of operating the machine,
- [10] The machine must not be operated by young person(s),
- [11] Know the meaning of the safety signs located on the machine and observe them for safe and reliable machine operation.

A.4 [12] Servicing and maintaining the machine can only be carried out by:
- [13] A person authorized by the owner,
- [14] A person trained in agricultural machinery repairs,
- [15] A person provably acquainted with the respective safety rules,
- [16] When repairing the machine coupled with the tractor, a person has to be a bearer of the driving licence of the respective category.

A.5 [17] When operating the machine, the machine operator must ensure safety of other persons.

A.6 [18] When working in the field, the operator is not required to be on the machine. He or she must control the machine from the tractor cab.

A.7 [19] The machine operator may step onto the machine if it is at rest and if the machine is secured against undesirable spontaneous movement for the following reasons only:
- [20] Adjustment of the machine working tools,
- [21] Repairs and maintenance,
- [29] Unlocking or locking the axle ball valves.

A.8 [22] Any and all modifications or changes in the machine design may only be made with the written consent of the manufacturer. The manufacturer bears no responsibility for any damage arisen as a consequence of breaching this instruction. The machine should be provided with the prescribed accessories and equipment including the labour-protection stickers. All the labour-protection stickers and signs should be in their places and kept readable. Damaged or lost stickers or signs must immediately be renewed.

A.9 [23] When operating the machine, the Operating manual along with the Labour-protection rules should be available at any time so that the operator can consult them if necessary.

A.10 [24] When operating the machine, the operator is not allowed to drink alcoholic beverages, to take drugs or other intoxicating or hallucinogenic substances that could affect attention and coordination of movements. Should the operator takes any drugs prescribed by the doctor or any medicines available without prescription, he or she must be informed by the doctor whether or not he or she is able to operate the machine safely and responsibly.

B. TRANSPORTATION

B.1 [1] The loading capacity of the vehicle, truck or freight car to transport the machine must be at least the same as the weight of the machine. The total weight of the machine is stated on the index plate.

B.2 (2) The dimensions of the machine including the transporting vehicle must meet the respective regulations.

B.3 (3) The transported machine must be fastened to the transporting vehicle carefully and safely to avoid any undesirable and spontaneous loosening.

B.4 (4) The damages incurred by loosening the poorly or incorrectly fastened machine is responsibility of the carrier.

C. LIFTING DEVICE OPERATION

C.1 (1) The minimum loading capacity of the lifting device and the slinging means intended for manipulation of the machine should be the same as the weight of the machine.

C.2 (2) The machine should be slung in the proper points that are marked with a "chain" sticker if it is to be safely hoisted.

C.3 (3) When the machine to be hoisted is slung in the proper points, it is strictly prohibited to enter.

D. ASSEMBLY AT THE CUSTOMER'S PLACE

D.1 (1) The operator should assemble the machine according to the manufacturer's instructions. Cooperation with a serviceman/technician authorized by the manufacturer is advisable.

D.2 (2) After the assembly is completed, the operator should ensure that all the assembled parts are functional and work smoothly.

D.3 (3) The operator should ensure that handling the machine by using the hoisting mechanism when assembling it is in compliance with Chapter **C** above.

E. AGGREGATION WITH THE TRACTOR

E.1 (1) The operator must observe all general labour-safety, fire-protection and environmental regulations.

E.2 (2) The operator may hitch up the machine solely to such a tractor that is provided with a rear three-point suspension and a functional undamaged hydraulic system.

E.3 (3) Towing vehicle requirements:

(5) **Tractor Engine Output Requirements for Towing the K-300P Machine**		**60-75 kW**
(6) Tractor three-point suspension requirements	(7) Lower suspension joints spacing (measured on the joint axes)	**870+/- 1,5 mm**
	(8) Diameter of the hole in the lower suspension joints for the machine suspension hinged pins	**∅29 mm**
(9) Tractor hydraulic system requirements	-(15) Attachment control circuit	(14) **The minimum pressure in the circuit: 125 bar; the maximum pressure in the circuit: 160 bar, two ISO 12.5 quick coupler sockets**

	-(11) Axle lifting circuit	(14) **The minimum pressure in the circuit: 125 bar; the maximum pressure in the circuit: 160 bar, two ISO 12.5 quick coupler sockets**

E.4 (4) Before aggregating the machine with the tractor (especially with those not provided with a quick suspension device), the operator must secure the tractor against undesirable movement. Especially with tractors not provided with a quick suspension device, the operator should arrange for another trained person to cooperate. Such a person must not step into the suspension area before the tractor is secured against undesirable movement. With tractors provided with a quick suspension device, this operation can be made by the operator from the tractor driver's seat.

E.5 (17) Aggregating the hydraulic system of the machine with the hydraulic system of the tractor should be performed according to Chapter **5.3** (Page 13) of this operating manual.

G. ROAD TRANSPORTATION

G.1 (1) The transportation speed of the tractor with the machine should not exceed the maximum transport speed and the maximum slope accessibility indicated.

G.2 (2) When transported on public roads, increased guardedness should be observed due to the machine dimensions.

G.3 (4) When transporting on public roads the machine should be provided with a functional set of warning lights that must be on. If possible, the highest point of the set (usually the tractor roof) should be provided with a yellow flashing beacon. Moreover, the machine should be provided with the "maximum-speed" sign, with red-and-white-hatched boards at the machine contours and with rear reflectors and reflecting board according to the respective regulations.

G.4 (5) Using international highways and 1st-class highways for transportation of the machine towed by a tractor is prohibited. These may be only crossed.

G.5 (6) The machine should not be transported at poor visibility.

G.6 (7) Note that the driving properties of the set change when towed by a tractor on the road due to different axle loads. Please have this in mind when transporting the machine. The respective road-transport rules should be strictly observed.

G.7 (8) The operator is obliged to produce the respective certificate of roadworthiness (the MOT Certificate) if necessary.

G.8 (9) When transporting the machine on public roads, all the respective traffic rules and traffic signs should be observed.

G.9 (10) When making U-turns or driving reverse gear, be especially careful. Ensure a good outlook from the tractor cab and use another (instructed and authorized) person if necessary.

G.10 (17) When transporting the machine off public roads, operator(s) should not exceed the lowest maximum transport speed and the lowest maximum slope accessibility indicated wherever on the set.

H. OPERATING THE MACHINE IN THE FIELD

H.1 (1) The operator should acquaint himself with the machine controls before the first use of the machine.

H.2 (2) Before setting the machine to work, please read the Operating manual carefully. Pay attention to labour protection, safe operation and transportation, environmental protection, setting the machine and its maintenance.

H.3 (3) The operator is responsible for all damages incurred by improper operation of the tractor and the coupled machine.

H.4 (4) When operating the machine, the operator is obliged to observe all the technical and safety regulation set by the manufacturer.

H.5 (5) When turning the machine at the headland, the machine working tools should be lifted.

H.6 (6) When operating the machine, the operator should observe the prescribed working depths and speeds given in Chapter **2**/Page 11 of this manual.

H.7 (7) When leaving the tractor cab, the operator is obliged to lower the machine onto the ground and secure it against undesirable motion.

I. MACHINE ADJUSTMENTS

I.1 (1) When adjusting the working tools of the machine, the operator should follow the values recommended in Chapter **8**/Pages 14 to 15. Please observe the labour safety principles.

I.2 (2) The machine working tools may be adjusted at rest only with the machine secured against undesirable motion.

I.3 (3) Working tools adjustments should be done on a flat and paved surface so that the soil cultivation is performed evenly.

J. STORAGE

J.1 (1) Before storing the machine, the machine should be thoroughly cleaned and preserved in such a manner that no damage can occur. Special attention should be paid to all the lubrication points indicated. These points should be lubricated thoroughly according to the Lubrication Chart.

J.2 (4) To extend the service life, the machine should be stored in a roofed place in the working position, i.e. the machine should rest on the rollers (not on the axles). The machine should be secured against undesirable motion.

J.3 (3) The operator is obliged to secure the storage place against unauthorized persons' entrance.

K. MACHINE REPAIRS

K.1 (1) Servicing and maintaining the machine can only be carried out by qualified persons duly authorized by the operator, see Chapter **A.4**.

K.2 (2) Any machine repairs may only be made at rest, i.e. the machine does not work. If it is necessary for the machine to be coupled with the tractor during the repair, the ignition key must be removed from the switchbox.

K.3 (5) All kinds of the machine hydraulic circuit repairs may only be made under the following conditions:

- (7) The machine must rest on the shares and rollers;
- (8) The machine must be secured against undesirable motion;
- (9) The machine hydraulic circuit must be disconnected from the tractor hydraulic circuit;
- (10) The machine vicinity must be protected from being contaminated by hydraulic oil;
- (11) The machine must not rest on the axle.

K.4 (3) Any machine repairs should be made in service shops.

K.5 (12) Before repairing the machine hydraulic circuits , the repairman must eliminate pressure in the hydraulic circuits with the control levers in the tractor cab. This should be done by moving the levers to their extreme positions back and forth (approx. five times) with the tractor engine stopped.

K.6 (4) When handling the machine with a lifting device, the regulations set forth in Chapter **C** should be strictly observed.

L. REPLACEMENT OF WORN-AND-TORN SHARES

L.1 (1) The shares should be replaced by the serviceman or operator on a flat and paved surface only.

L.2 (2) When replacing the shares, the machine must be aggregated with the tractor according to Chapter **E**. When replacing the shares, the tractor engine must be stopped and the tractor cab secured against unauthorized entrance or operation.

L.3 (5) If there is a leakage from the tractor hydraulic system, the repairing person is obliged to support the machine shaft mechanically.

M. MACHINE DISPOSAL AFTER ITS SERVICE LIFE

M.1 (1) The operator must ensure that the machine is secured against undesirable motion before starting the disposal operations.

M.2 (2) The operator must ensure that metal parts are separated from those parts that contain hydraulic oil or grease.

M.3 (3) Steel parts must be cut up and delivered to the respective salvage point. The other secondary raw materials should be disposed according to the applicable waste management regulations.

M.4 (4) The operator should ensure that handling the machine with the lifting device is in compliance with Chapter **C**.

M.5 (5) Before disposing the machine hydraulic circuits , the repairman must eliminate pressure in the hydraulic circuits with the control levers in the tractor cab. This should be done by moving the levers to their extreme positions back and forth (approx. five times) with the tractor engine stopped.

N. LABOUR-PROTECTION STICKERS

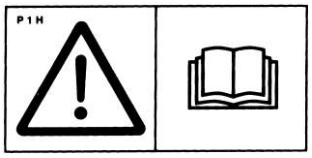
The labour-protection stickers protect operators.

Generally:

A) Strictly adhere to the labour-protection stickers instructions
B) All the labour-protection sticker instructions apply to other users as well
C) In case of damaging or destroying a **labour-protection sticker** located on the machine, operators are obliged to **replace it or provide the machine with a new one immediately.**

The position, design and exact meaning of the labour-protection stickers located on the machine are given in the following tables (Tab. 3) and in Figure 1, 2.

Table 3 - The Labour-protection stickers located on the Semi-mounted Cultivator:

GRAPHIC DESIGN	DESCRIPTION	LOCATION ON THE MACHINE
	Read the Operating manual carefully before operation. When operating the machine, observe all the related safety instructions and regulations.	**P 1 H**

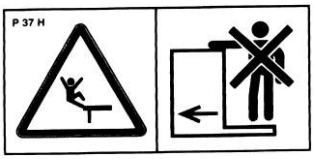
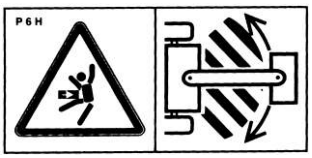
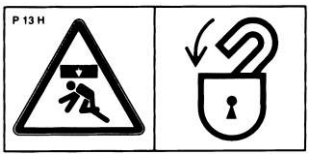
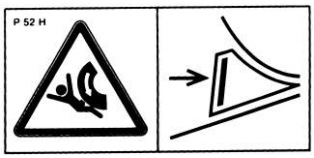
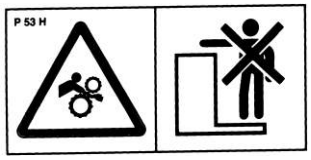
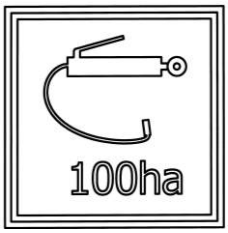
	Transportation on the machine is strictly forbidden.	**P 37 H**
	Do not step between the tractor and the machine when coupling or uncoupling. Do not step between the tractor and the machine until they are at rest and the engine turned off.	**P 2 H**
	Keep away from the reach of the tractor + machine if the tractor engine is running or the set moving.	**P 6 H**
	Secure the lateral frames with the connecting rod against undesirable unfolding before transporting the machine.	**P 13 H**
	Secure the machine against undesirable movement.	**P 52 H**
	Keep away from rotating parts of the machine unless they are at rest	**P 53 H**
	Lubrication of house bearings.	

Fig. 1 - Labour-protection stickers locations on the machine

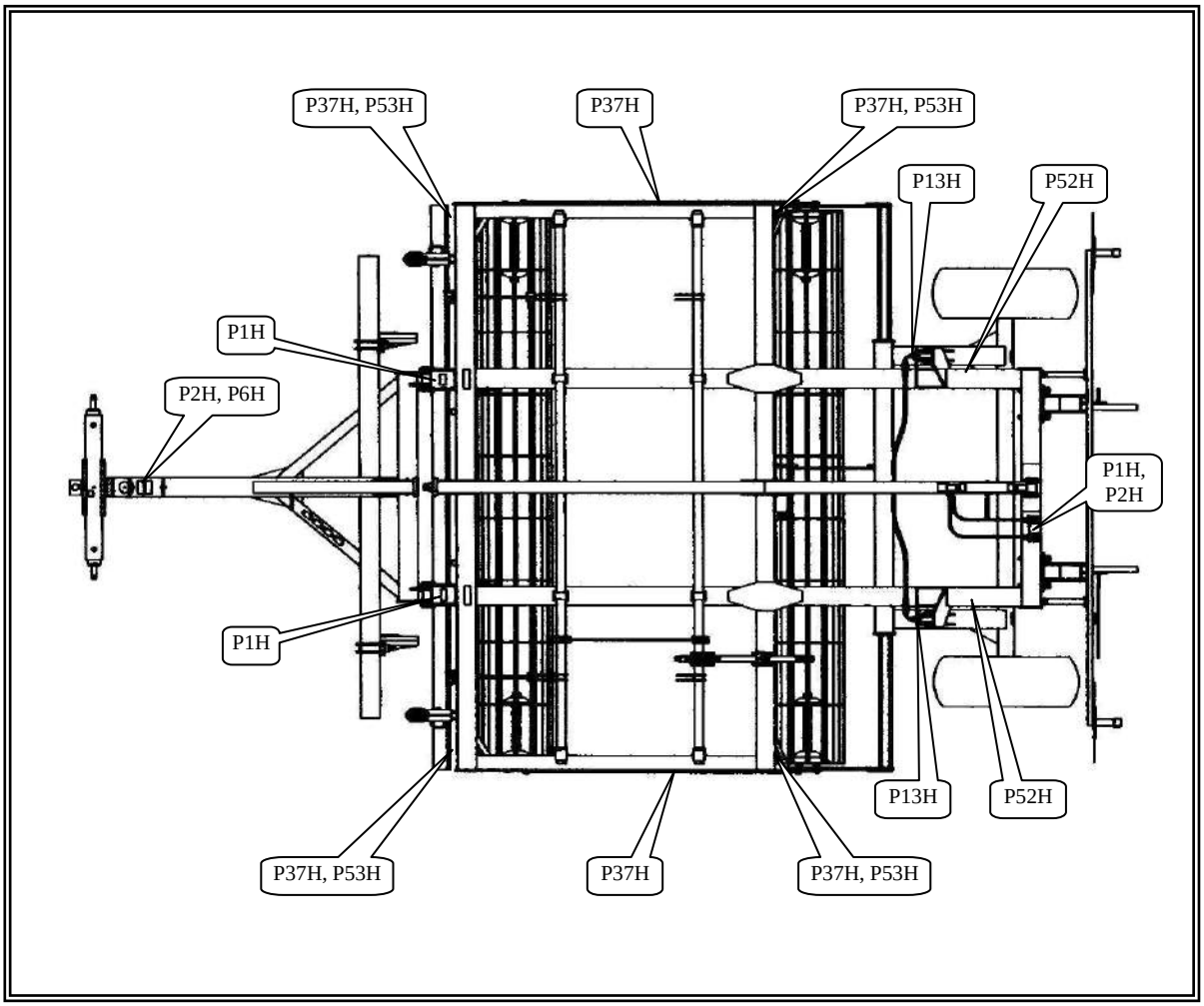
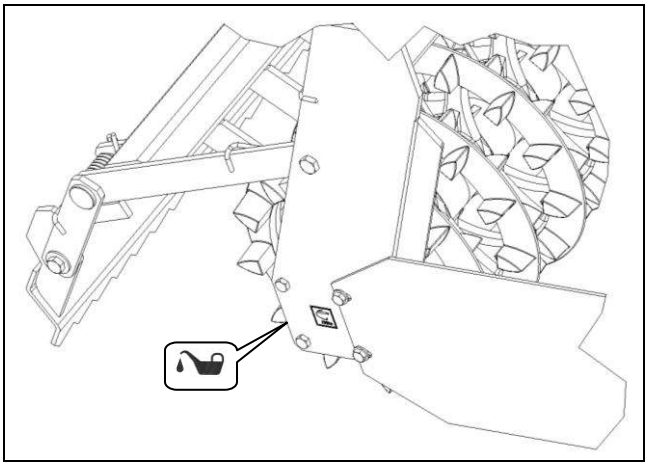


Fig.2 – position of self-adhesive label for lubrication of house bearings



1. MACHINE DESCRIPTION

The machine is designed as semi-mounted. The basic model consists of a three-point-suspension bar, of a shaft (towing bar) with tractor track looseners and a supporting frame. The supporting frame bears the machine working tools, the transport axle and the rear three-point suspension for aggregation with attachments such as an air-operated sowing machine, the Nocken or Crosskill crumbling rollers, etc. (See Fig. 3).

1.1 WORKING TOOLS OF THE MACHINE

1.1.1 Spring-loaded front drag

1.1.2 Front bar roller 400 mm in diameter

1.1.3 Share section

1.1.3.1 Duckfoot shares in two rows with a levelling bar

1.1.3.2 Chisel-shaped shares in four rows

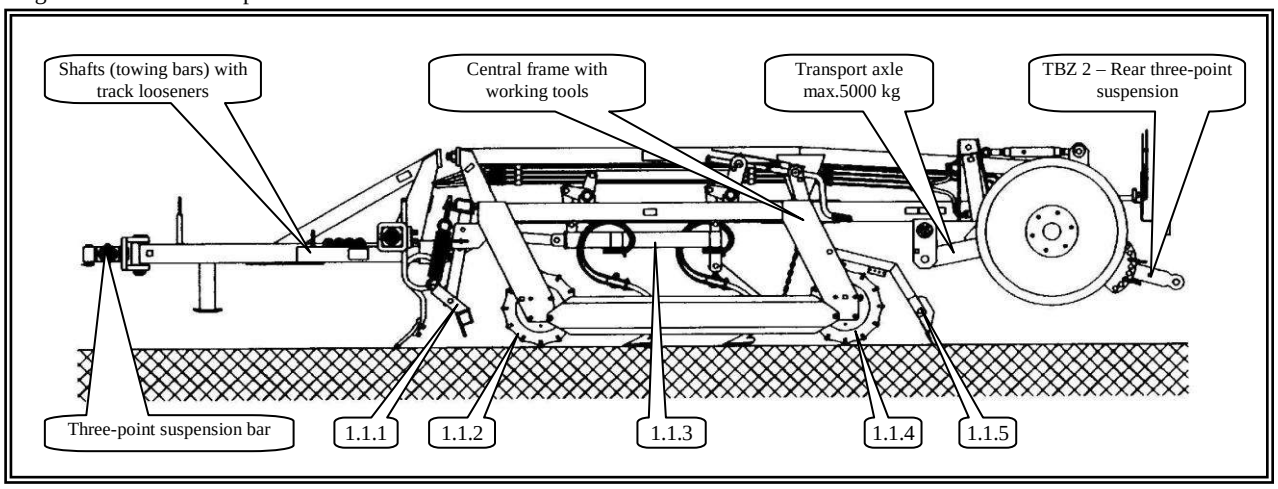
1.1.4 Rear roller

1.1.4.1 Bar roller (400mm in diameter)

1.1.4.2 Crosskill roller (400mm in diameter) with a cleaner

1.1.5 Rear drag

Fig. 3 - Machine Description



2. SPECIFICATIONS

Tab. 2 - Specifications

PARAMETERS	K300P
Operating Width (mm)	3000
Transport Width (mm)	3000
Operating Depth (mm)	0 - 100
Number of Shares (duckfoot/chisel-shaped)	13 / 30
Operating Performance (Hectares per Hour)	1,5-2,5
Towing Vehicle (kW)	70
Operating Speed (km per hour)	12 - 14
Max. Transport Speed (km.p.h.)	20
Maximum Slope Accessibility (°)	11
Tire Size (Model)	400/60-15,5
Inflation Pressure (kPa)	525
Total Length (mm)	5670
Weight (kg) - Model I.	1720
Weight (kg) - Model II.	2000

3. OPERATIONAL SAFETY RULES

- Before you take over the machine, please check that is has not been damaged during transportation and that all its parts have been supplied according to the delivery note.
- Before setting the machine to work, please read these Operating manual carefully. Pay attention to labour protection, safe operation and transportation, setting the machine and its maintenance. Before starting to work, please acquaint yourself with the overall functioning of the machine and its controls.
- Please observe not only the rules of these Manual but also general labour-protection, fire-protection and environment-protection regulations as well as transportation safety rules.
- The machine may only be operated by a person, which meets requirements of the item **A.3** above.
- Before setting the machine to work, please check its condition. In case of showing any signs of damaging, the machine must not be operated.
- When aggregating the machine with the tractor, follow the manual given in Chapter **E**/Page 5 to 6.
- Coupling and uncoupling should be done on a flat and paved surface. When coupling and uncoupling, the machine must be secured against undesirable movement.
- When working on slopes, observe the slope accessibility of the whole **TRACTOR-MACHINE** set.
- Before starting up the tractor, check that there is no unauthorized person within the operating reach of the set and sound the horn.
- Operators should pay attention to any person's not approaching the machine during operation in the field.
- It is forbidden to dismantle the parts of the machine hydraulic system that are under pressure.
- Hydraulic oil penetrating the skin under high pressure causes serious injuries. Should this happens, call the doctor immediately.

4. ROAD TRANSPORT RULES

4.1 The speed limit for the tractor with the machine is **20 km per hour**.

4.2 When transporting the machine on public roads, follow the manual given in Chapter **G**/Page 6.

4.3 When transporting the machine on public roads, the arms of the rear three-point suspension must be locked in the transporting position. Than means that undesirable lowering the arms must be prevented by using the hydraulic control lever. At the same time, the arms of the rear three-point suspension must be locked to prevent lateral swing.

4.4 When transporting the machine on roads, the operator(s) should observe the applicable law and regulations including those which specify the tractor axle load depending on the transport speed.

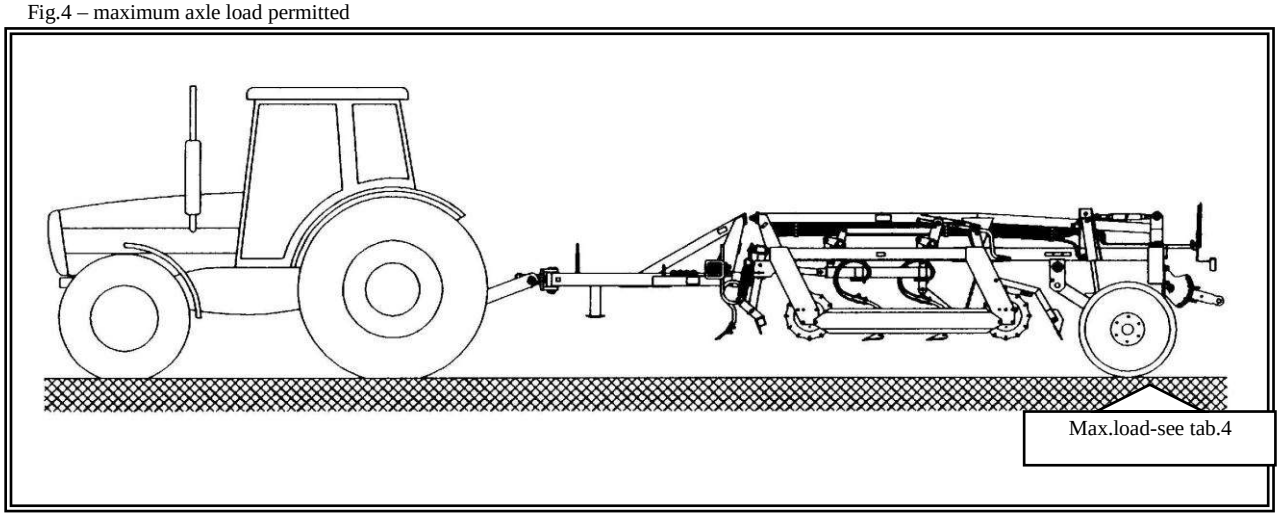
4.5 Considering the size of the machine, the operator transporting the machine must be very careful and considerate to other road users.

4.6 When transporting the semi-mounted cultivator with an attachment on its rear three-point suspension on public roads, the operator must keep the maximum semi-mounted cultivator axle load (See Tab.4 and Fig.4/page 13). An attachment is understood e.g. an automatic sower, crumbling rollers (Nocken or Crosskill). The axle load is to be measured at standstill on a flat and paved road.

Tab.4

TRANSPORT SPEED OF THE MACHINE	MAXIMUM AXLE LOAD PERMITTED
10 km/hod	5000 kg
15 km/hod	4865 kg
20 km/hod	4610 kg
25 km/hod	4355 kg

Fig.4 – maximum axle load permitted



***The values given in Tab. 4 for K-300P are the maximum possible ones. According to the Czech Traffic Rules, the maximum permissible axle road is 3000 kg.**

5. SETTING TO WORK

5.1 When aggregating the machine with the tractor and setting it to work, the steps given in Chapter **E** /Page 5 to 6 should be followed.

5.2 Couple the machine three-point suspension bar with the bottom arms of the tractor rear three-point suspension and lock it with pins against uncoupling.

5.3 To interconnect the hydraulic systems, use the quick-couplers of the identical model (the socket on the machine and the plug on the tractor). The quick-couplers should be connected to the tractor hydraulic circuits in such a manner that tilting the lateral frames (*the blue and white quick-coupler dust caps*) is on one hydraulic circuit and lifting the axle (*the **red and yellow** quick-coupler dust caps*) on the other circuit.

- **5.3.1** **Blue dust cap** - the Dn8 circuit for shifting out the attachment piston rod
- **5.3.2** **White dust cap** - the Dn8 circuit for shifting in the attachment piston rod
- **5.3.3** **Red dust cap** - the Dn8 circuit for shifting out the axle-lifting piston rod
- **5.3.4** **Yellow dust cap** - the Dn8 circuit for shifting in the axle-lifting piston rod

5.4 It is forbidden to dismantle the parts of the machine hydraulic system that are under pressure.

5.5 Hydraulic oil penetrating the skin under high pressure causes serious injuries. Should this happens, call the doctor immediately.

5.6 Before starting to work in the field, release the ball valve that locks the transport position of the axle. The ball valve should be released from the **"ZAVRENO"** (**"Closed"** - see Fig. 5) position to the **"OTEVRENO"** (**"Open"** - see Fig. 6) position.

Fig. 5 - Ball Valve - CLOSED

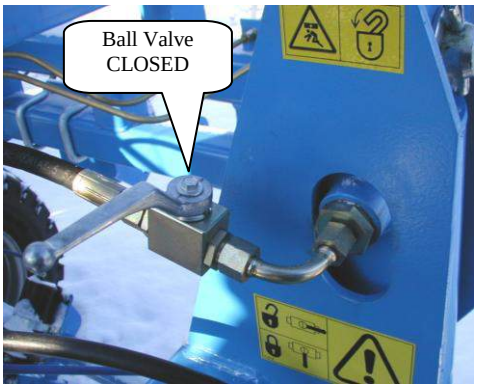
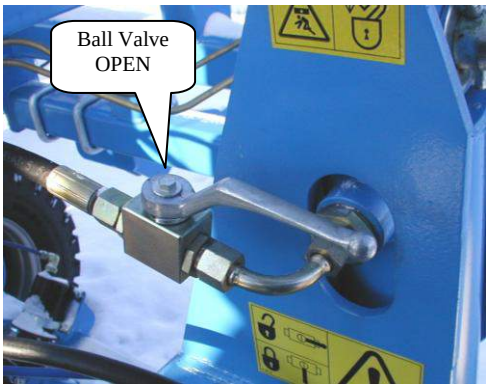


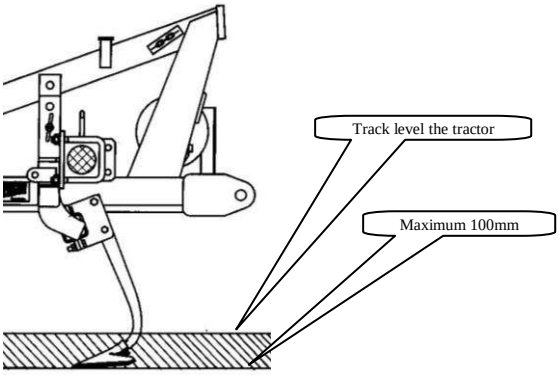
Fig. 6 - Ball Valve – OPEN



5.7 The track looseners should be placed in such a manner that they can loosen the earth compacted by the tractor tires. See Fig. 7 for adjustment options. The loosening depth should be selected according to actual needs but it should not exceed 100 mm below the tractor track level (See Fig 8).

Fig. 7 - Track Loosener Adjustment Options

Fig.8 - The maximum and minimum loosening depth: 100mm



6. AGGREGATION WITH TRACTOR

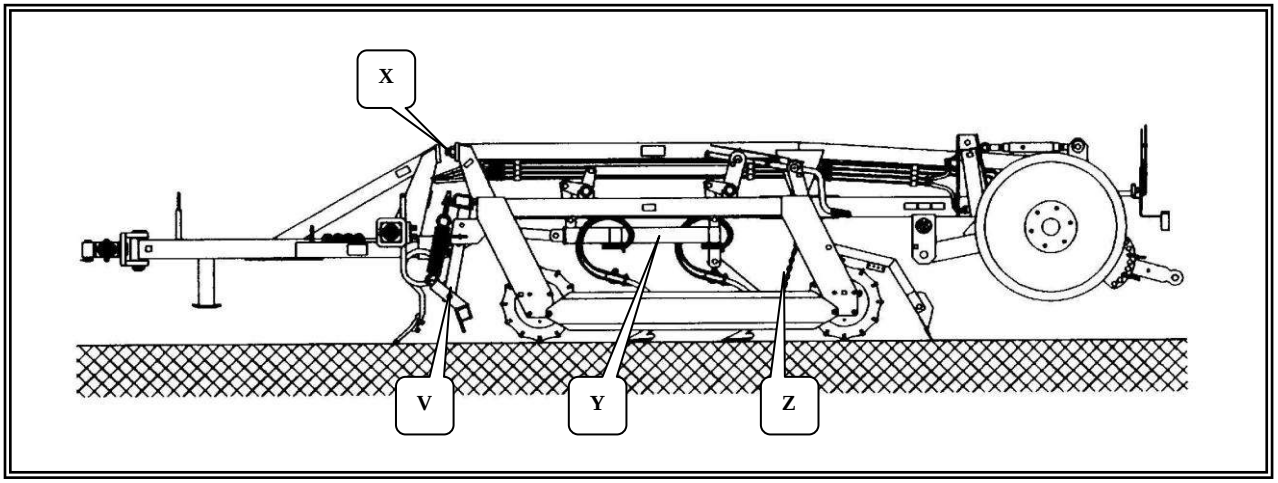
- For safe aggregation, observe the regulations given in Chapter **E** / Page 5 to 6.
- The machine should only be aggregated with the tractor described in **E** even if the machine is just to be transported.
- The machine may only be aggregated with such a tractor the unladen weight of which is equal or higher than the total weight of the aggregated machine.
- As additional load to the tractor (counterweight) only the weights prescribed by the manufacturer should be used.

7. ENVIRONMENTAL PROTECTION

- Check tightness of the hydraulic system regularly.
- All the hydraulic hoses and the other parts of the hydraulic system showing signs of damage should be replaced or repaired.
- Remember that the service life of the hydraulic hoses includes their storage time before they were used.
- Dispose the used lubricants according to the related regulations.

8. SETTING THE WORKING PARTS

Fig. 9 - Setting the Working Parts



8.1 SETTING THE "X" GAP BETWEEN THE SHAFT (TOWING BAR) AND THE FRAME (SEE FIG. 9)
Setting the gap between the shaft and the M30 supporting screw on the central frame should be set to ensure perfect copying the terrain by the machine. The typical setting of the gap is 2 to 3cm. Setting should be made on a flat, paved surface. The shaft must be parallel with the surface in its working position. If the gap is set and the shaft is parallel

with the surface, lock this position with the stop (close to the tractor hydraulics) as the lowest one. The M30 supporting screw should then be locked with a locknut.

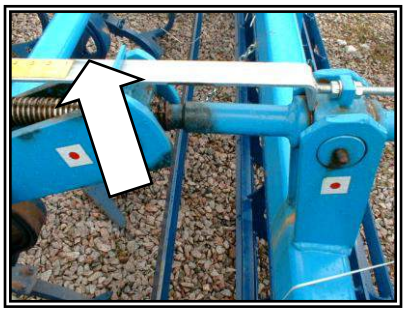
8.2 SETTING THE "V" HEIGHT OF THE FRONT DRAG (SEE FIG. 9/PAGE 14)

The front drag is to be set by driving out PIN 20 and shifting the welded lever. The front drag height depends on the size of clods. The drag should be set in such a manner that it is approx. 3 to 5 cm from the lower level of the front bar roller after lowering the cultivator on the ground. The drag spring can be tightened within the M20 adjusting screw. The prestressing of the spring should be selected according to the size of clods in the field. The bigger the clods, the higher the prestressing.

8.3 SETTING THE "Y" DEPTH OF THE DUCKFOOT-SHARE SECTION (SEE FIG. 9/PAGE 14)

The working depth of the duckfoot-share section is to be set with a trapezoid-threaded handle. The handle is placed on the supporting frame. To set the depth turn the handle. For an even setting of the depth along the entire machine, a depth setting indicator is located on the handle, see Fig. 10. The soil processing depth is selected according to the crop type that you want to cultivate, see Tab. 5.

Fig. 10 - Depth Setting Indicator



Tab. 5 – Recommended cultivation depths depending on individual crop-plants

CROP	DEPTH
Beet	2-3 cm
Wheat, Barley, Oats	5-8 cm
Rape	3-5 cm

8.4 SETTING THE "Z" HEIGHT OF THE CENTRAL LEVELLING BAR (SEE FIG. 9/PAGE 14)

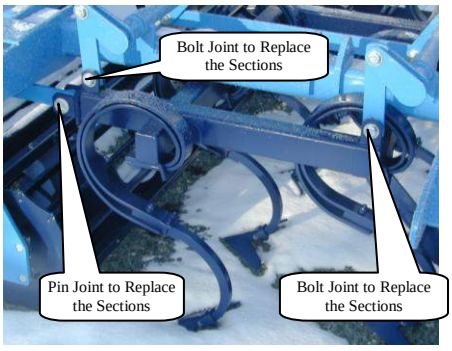
The height of the central levelling bar is to be adjusted using the chain between the sliding and supporting frames depending on the working depth of the duckfoot shares. The height should be within the range from 60 to 100 mm (measured from the bottom level of the bar rollers).

9. EXCHANGING THE WORKING PARTS

9.1 When exchanging the working parts, follow the directions given in Chapter **L**/Page 8. Strictly adhere the prescribed procedure.

9.2 The machine design enables operator to replace the duckfoot shares with a drag by chisel-shaped shares and vice versa. To replace them, drive out the pull-rod pins, remove the original duckfoot shares and fix the new sections (See Fig. 11).

Fig. 11 - The pins necessary for exchanging the share sections



9.3 The machine design enables operators to replace the rear bar rollers with drags by the Crosskill rollers and vice versa. To replace the rollers, dismount the bearings from the supporting frames of the machine, pull them down from the shafts of the original roller and put them on the new roller. The new roller provided with the bearings must then be mounted in the supporting frames.

9.4 All and any replacements of the working tools should be made in a service shop and all the labour-protection rules mentioned in Chapters **C** (Page 5), **K** (Page 7 to 8) and **L** (Page 8) should be strictly observed.

10. MAINTENANCE AND REPAIRS

- When making any repairs, strictly observe the labour-protection rules mentioned in Chapters **A** through **N** / Pages 4 through 10.
- After the first 20 hours of operation, check all the mechanical parts connected with bolts.
- Lubricate the machine in the lubrication points according to the lubrication chart.
- Check the wear and tear of the working tools from time to time. If worn and torn excessively, replace them by new ones.
- Setting, cleaning and lubricating operations may only be carried out at rest. The tractor engine must be turned off and secured against starting.
- If the work is to be done on the lifted machine, suitable supports placed in marked points or other suitable points must be used.
- When setting, maintaining or repairing the machine, secure reliably those parts of the machine that could cause accidents by falling or moving.
- If hoisted with a suspension lifting mechanism (a crane), hang the machine in the marked points only. These points are marked with the "chain" stickers (See fig.12, 13).
- When a defect or damage appears, turn off the tractor engine immediately, secure it against undesired start up and motion. Only then can you start to repair it.
- Use solely the original spare parts for repairs. Use the appropriate tools and protectives.
- If you are about to arc-weld and if the machine is coupled with the tractor, disconnect the alternator and accumulator feeding cables.
- Check tire pressure and tire condition regularly. Tire repairs and replacements should be made in a specialized workshop.
- Keep the machine clean.

Fig. 12 - Slinging point on the shaft

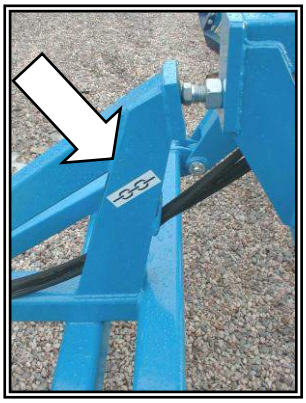


Fig. 13 - Slinging point on the frame

11. LUBRICATION CHART

Tab. 6 - Lubrication points and lubrication intervals

LUBRICATION POINT		INTERVAL	LUBRICANT
Control Handle	(Fig. 14)	**- Daily** **- Before starting the work with the machine** **- After finishing the work with the machine before shutting it down** **- Keep required lubrication interval**	Plastic Lubricant
Shaft Joint	(Fig. 15)		
Axle-frame Connection	(Fig. 16)		
Bearings	(Fig. 17)		
Pins, Journals			

* - when working

Fig. 14 - Control handle

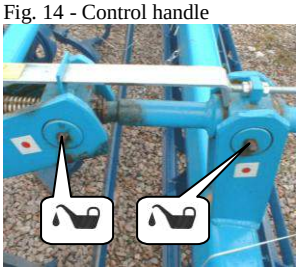


Fig. 15 - Shaft joint

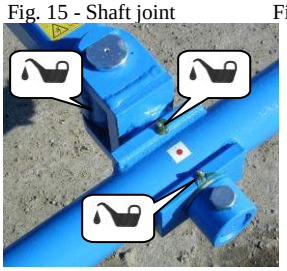


Fig. 16 - Axle-frame connection

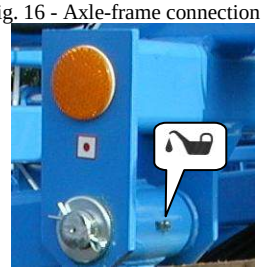


Fig.17 - Bearings

12. AGGREGATION WITH AN ATTACHMENT

- An attachment is understood e.g. an air-operated sower, the NOCKEN or CROSSKILL crumbling rollers.
- For aggregating the machine with an air-operated sower, the Cultivator can be provided with a SOWER DRIVE.
- Only such attachments that allow continuos terrain copying may be aggregated with the machine.
- Among those attachments that should not be aggregated with the machine ranks for example a sower without travelling wheels.

TRANSPORT POSITION

- When transporting an attachment on the machine's rear three point suspension, position of the lower arms must be locked with the upper and lower pins to prevent lateral swing of the attachment (See Fig. 18).

WORKING POSITION

- When working with an attachment, the lower arms of the machine must be freely movable in the lower three-point suspension flanges, i.e. the transport position of the respective pins must be changed into the working position. If necessary, the pins may be removed completely (See Fig. 19). Thus, the attachment will be copying the terrain perfectly. At the same time, the cultivator's rear roller will not be overloaded in the working position.
- If this setting is not made, the structure of the machine and the machine's rear roller will be damaged. Such damage is not the manufacturer's responsibility.
- When working with the **TRACTOR - CULTIVATOR - ATTACHMENT** set, observe all the labour safety rules as well as the road-transport safety rules.

Fig. 18 - Transport position

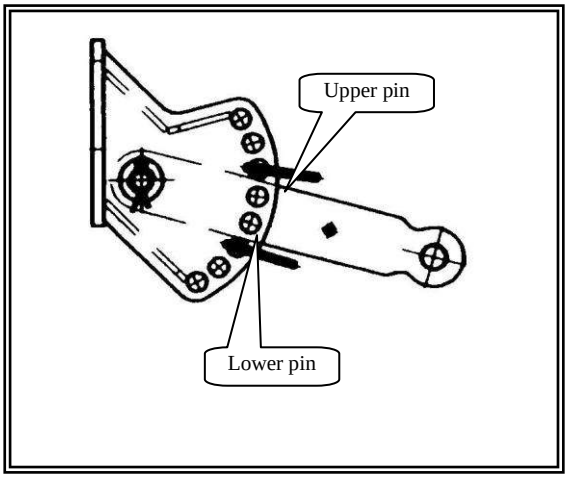
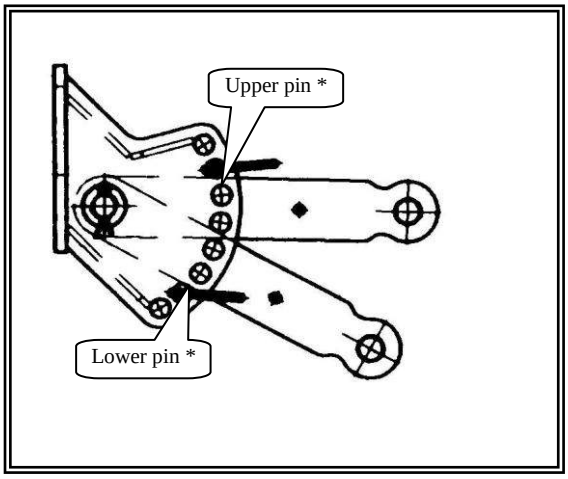


Fig. 19 - Working position



* These pins can be removed if necessary

13. MACHINE DISPOSAL AFTER ITS SERVICE LIFE

When disposing the machine follow the instructions given under **M**/Page 8.

14. SERVICES AND WARRANTY CONDITIONS

14.1 SERVICES

After-sale service is ensured by the sales representative after consultation with the manufacturer or directly by the manufacturer. Spare parts are supplied by individual sellers via the nationwide sales network. Spare parts should be ordered according to the official spare-part catalogue issued by the manufacturer.

14.2 WARRANTY

14.2.1 The manufacturer gives a 24-month warranty for the following machine parts: The main frame, the axle and the shaft (tow bar). The warranty period for the other parts of the machine is 12 months. The warranty period starts on the date of sale of a new machine to the end user.

14.2.2 The warranty applies to hidden defects that become evident within the warranty period provided that the machine has been properly used and maintained according to the Operating manual.

14.2.3 The warranty does not apply to common mechanical wear and tear of the exchangeable parts (e.g. shares, blades etc.).

14.2.4 The warranty does not apply to indirect consequences (such as a lower service life, etc.) resulting from a possible damage.

14.2.5 The warranty is engaged on the particular machine and does not become extinct with changing the owner.

14.2.6 The warranty is limited to dismantling and assembling or possibly to replacement or repair to the given defective part. The decision on replacing or repairing the defective part is the sole responsibility of the workshop authorized by Farmet.

14.2.7 For the time of the warranty period, only an authorised servicing technician of the producer may perform repairs or other interventions into the machine. Otherwise the warranty will not be acknowledged. This provision does not apply to the replacement of wearable spare parts (see point 14.2.3).

14.2.8 The warranty is conditioned by using original spare parts of the manufacturer.

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Date: 25th February 2009, All amendments reserved.

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Jiřinková 276
ČESKÁ SKALICE 552 03

Tel.: 00420 491 45 01 40
45 01 22
Fax.: 00420 491 45 01 36

LETTER OF GUARANTEE

Machine Model: ……..

YEAR OF PRODUCTION/SERIAL NUMBER:

TECHNICAL INSPECTION:

BUYER (ADDRESS):	SELLER (ADDRESS):

WARRANTY:

I. The manufacturer gives a 24-month warranty for the following machine parts: The main frame, the axle and the shaft (tow bar). The warranty period for the other parts of the machine is 12 months. The warranty period starts on the date of sale of a new machine to the end user.

II. The warranty applies to hidden defects that become evident within the warranty period provided that the machine has been properly used and maintained according to the Operating manual.

III. The warranty does not apply to common mechanical wear and tear of the exchangeable parts (shares, blades, etc.).

IV. The warranty does not apply to indirect consequences (such as a lower service life, etc.) resulting from a possible damage.

V. The warranty is engaged on the particular machine and does not become extinct with changing the owner.

VI. The warranty is limited to dismantling and assembling or possibly to replacement or repair to the given defective part. The decision on replacing or repairing the defective part is the sole responsibility of the workshop authorized by Farmet.

VII. For the time of the warranty period, only an authorised servicing technician of the producer may perform repairs or other interventions into the machine. Otherwise the warranty will not be acknowledged. This provision does not apply to the replacement of wearable spare parts (see point III).

VIII. The warranty is conditioned by using original spare parts of the manufacturer.

MANUFACTURER	SELLER
DATE	DATE OF THE FIRST SALE

Farmet — The effective technology

98/007/08

(CZ) ES PROHLÁŠENÍ O SHODĚ
(GB) CE CERTIFICATE OF CONFORMITY
(D) EG-KONFORMITÄTSERKLÄRUNG
(F) DÉCLARATION CE DE CONFORMITÉ
(RU) СЕРТИФИКАТ СООТВЕТСТВИЯ ЕС
(PL) DEKLARACJA ZGODNOŚCI WE

1. (CZ)My (GB)We (D)Wir (F)Nous (RU)Мы (PL)My: **Farmet a.s.**

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552 03 Česká Skalice
Czech Republic
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2.

(CZ)Strojní zařízení:	- název	:	**Polonesený kompaktomat**
(GB)Machine:	- name	:	**Semi-Mounted Kompaktomat**
(D)Fabrikat:	- Bezeichnung	:	**Aufsattelgeräte Kompaktomat**
(F)Machinerie:	- dénomination	:	**Compactomats de semi-portage**
(RU)Сельскохозяйственная машина:	- наименование	:	**Полунавесной компактомат**
(PL)Urządzenie maszynowe:	- nazwa	:	**Półzawieszony Kompaktomat**
	- typ, type	:	**K 300 P**
	- model, modèle	:	**K 300 P I., K 300 P II.**
	- (CZ)výrobní číslo	:	
	- (GB)serial number		
	- (D)Fabriknummer		
	- (F)n° de production		
	- (RU)заводской номер		
	- (PL)numer produkcyjny:		

3. (CZ)Příslušná nařízení vlády: č.176/2008 Sb. (směrnice 2006/42/ES). (GB)Applicable Governmental Decrees and Orders: No.176/2008 Sb. (Directive 2006/42/ES). (D)Einschlägige Regierungsverordnungen (NV): Nr.176/2008 Slg. (Richtlinie 2006/42/ES). (F)Décrets respectifs du gouvernement: n°.176/2008 du Code (directive 2006/42/CE). (RU)Соответствующие постановления правительства: № 176/2008 Сб. (инструкция 2006/42/ES). (PL)Odpowiednie rozporządzenia rządowe: nr 176/2008 Dz.U. (Dyrektywa 2006/42/WE).

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(CZ)Schválil (GB)Approve by
(D)Bewilligen (F)Approuvé
(RU)Утвердил (PL)Uchwalił

dne: 01.06.2012

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dne: 01.06.2012

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General Manager