



INSTRUCTION MANUAL

ME15



INTRODUCTION

This manual is an essential part of the equipment

It must always accompany the machine for easy reference. All annexes mentioned in the manual are an integral part of the manual.

Purpose of the manual

This manual contains all the necessary information for the proper and safe use of the machine. The user must carefully read this manual before using the machine.

User responsibility

The user is responsible for all accidents and damages caused by the incorrect use of the machine.

Assistance in the use of the instruction manual

Explanation : contact the seller. Request new copies of the manual : if the manual gets lost, damaged or if the manual is needed in a different language, the user must contact the seller or manufacturer.

Watch out for warning signs



<Danger> : when you see this sign : hazardous situation, possibility of death or serious injury.



<Warning> : when you see this sign : hazardous situation, possibility of death or serious injury. Less severe than the other.



<Caution> : when you see this sign : potentially hazardous situation, possibility of medium or small lesions.



<Important> : when you see this sign : the instructions must be followed precisely to avoid damage to the machine or the environment.

DESCRIPTION

DESCRIPTION MACHINE

The ME-15 excavator, is a shovel fitted to a basic chaser. It is small, powerful and versatile. The frame consists of a welded structure. It includes a toothed wheel and a rotating joint that allows this mini excavator to turn on itself 360°.

The boom rotation is equipped with:

- A gasoline **B&S 13,5 HP** engine with an electric starter - A 35A/h battery
- Progressive control valves
- Suitable and resistant cylinders
- A double pump 3.2cc + 3.2cc
- A compass (for better bucket reference)

The digger allows all types of work:

- Digging, trenching
- Ditching, loading and levelling
- - wood grabber and rock grabber and digging hole - ... etc. -

With ease, efficiency and maneuverability.

The ME-15 excavator is supplied as standard with an additional hydraulic line and a bucket of your choice. For safety standards, it is equipped as standard with a roll bar.

We offer as options:





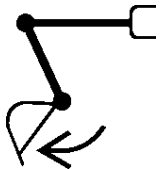




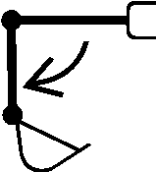

- Bucket 20 cm wide
- Bucket 30 cm wide
- 60cm wide grading bucket
- Ripper tooth
- Quick hitch bucket system
- Wood grabber
- rock grabber
- hydraulic hole digger with various size of auger as option

ME15 Technical Specifications

Dimensions:	
Weight	590 KG
Height	2000 mm
Width	950 mm
Length	1900 mm
Working arm:	
Rotation arm	360°
Max. height	2360 mm
Max. digging depth	1320 mm
Max. lenght from chasis	2370 mm
Pull power	0,9 T
Engine:	
Cooling	Air
Fuel	Gasoline
Type	Monocylinder, 4 stroke
Power	B&S 13,5 HP
Engine capacity	420cc
Consumption	1,9 L/h
Fuel tank capacity	6.6 L
Hydraulic System:	
Pump	3,2 cc gear pump
Working pressure	160 bar
Flow	6,4 L/min
Traction engine	Orbital
Oil tank capacity	23 L
Caterpillars	150x72x31

SAFETY ON OUR MACHINES

In this section the safety symbols on the machine are reproduced and explained.

	Main security information symbol		Arm retraction
	Fuel		Close the bucket
HYD	Hydraulic fluid		Open the bucket
	Raise the boom		Orientation of the boom (to the left)
	Lower the boom		Orientation of the boom (to the right)
	Arm extension		Read the instruction manual

GENERAL REQUIREMENTS

- . Regularly maintain safety accessories. (Check maintenance instructions)
- . Do not use the ME15 under the influence of medication, alcohol, drugs or any substances that can cause any kind of disorientation.
- . Work only during the day.
- . The machine must not be used if there are people, especially children or animals in the work zone.
- . The machine must be operated by trained personnel and after reading this manual.
- . Before turning the machine on, check the functions of the safety devices.
- . Before operating the machine, make sure the stabilizer blade is lowered.
- . Do not move, stop or work under the arm.
- . Do not work under or near power lines.
- . Do not use the machine to transport, lift people or for any other unforeseen uses.
- . Never exceed the usage limits set by the manufacturer.
- . Never leave the machine unattended when the engine is running or the key is inserted.

SECURITY USE RESTRICTIONS

Using the machine is forbidden to children and people who are not familiar with these instructions.

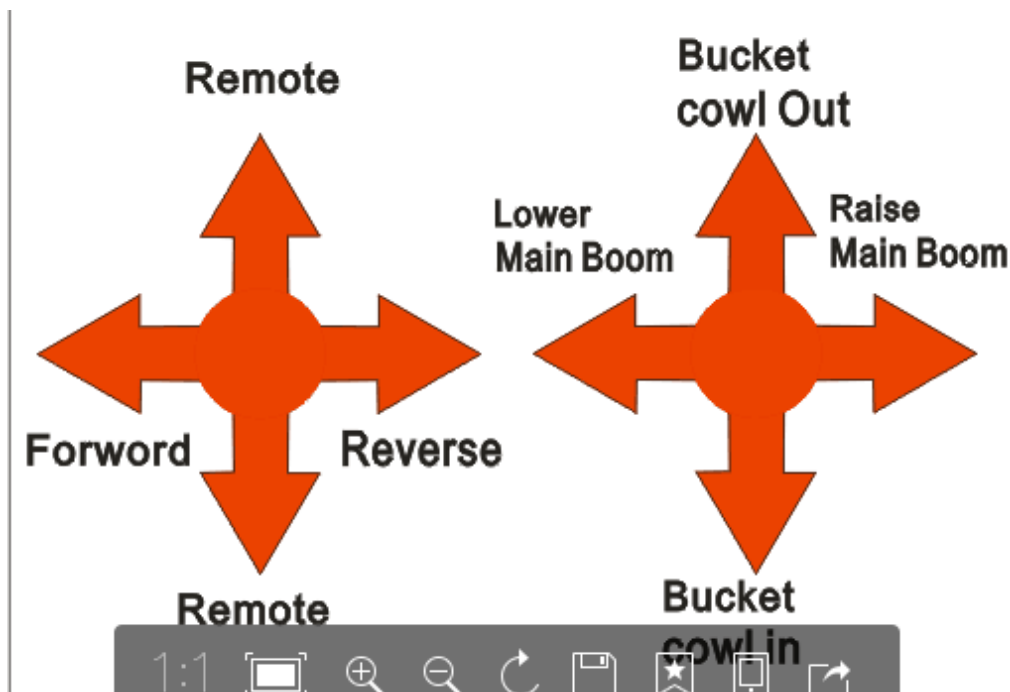
Local regulations may prohibit the use of the machine depending on the age.

INSTALATION INSTRUCTIONS

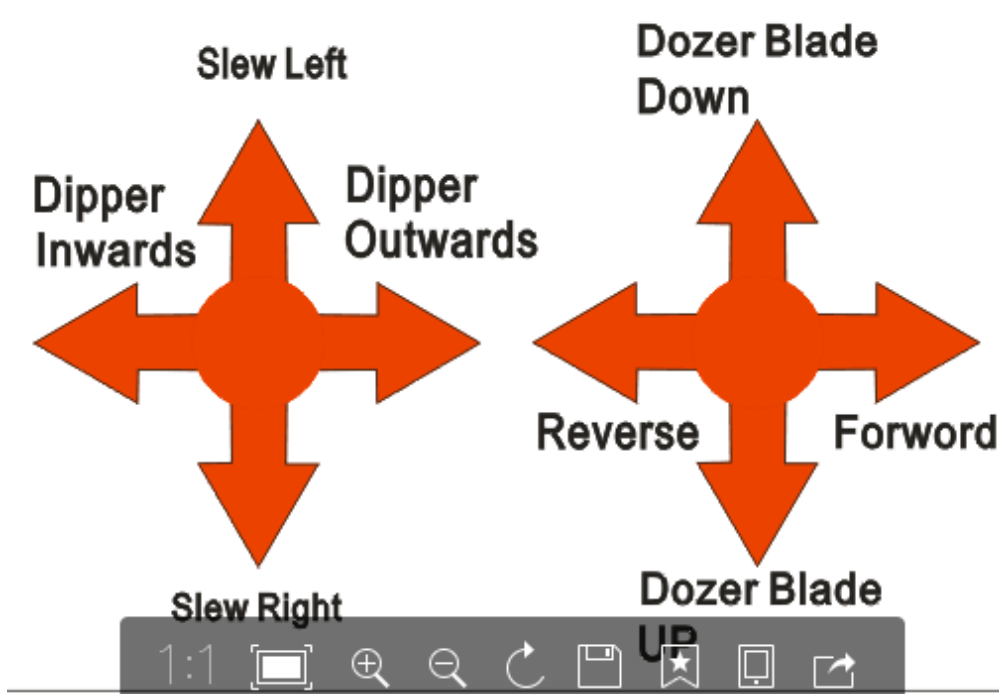
INSTRUCTIONS FOR USE

Controls

Control valve A



Distributor B



Before starting work

- a/ Check the oil level in the engine and hydraulic reservoir
- b / Lubricate the machine
- c / Move to the work zone
- d / Check tightness and condition of parts
- e / Check fuel

To start working

- a/ Keep away at a distance of at least 15m from people, animals and all other objects.
- b/ Begin excavating using the levers.

At the end of the excavation operations

- a/ Close the arm on itself, turn to the transport position.
- b / Turn off the machine, close the fuel supply.

MAINTENANCE INSTRUCTIONS

Chart « A » represents a required maintenance schedule with time intervals for your machine. Not respecting this schedule will affect the proper functioning of the machine and cause warranty loss.

CHART « A » MAINTENANCE SCHEDULE

	FIRST START-UP	EVERYDAY	EVERY 150 HOURS OR MONTHLY	EVERY 1200 HOURS OR ANNUALLY
SAFETY LABELS	Check condition	Check condition	Check condition	Check condition
LEVER CONTROL	Check automatic return	Check automatic return	Check automatic return	Check automatic return
HOSES	Check tightness	Check tightness	Check tightness	Check tightness
OIL TANK	Check level	Check level	Check level	Check level
OIL FILTER				
OIL MULTIPLIER	Check level	Check level	Check level	Check level
PINS	Check for presence	Check for presence	Check for presence	Check for presence
HARDWARE	Check tightness	Check tightness	Check tightness	Check tightness
LUBRICATION	Grease	Grease	Grease	Grease

OIL LEVEL, CHANGING THE OIL AND FILTER

To top up or change the oil, use only hydraulic oil ISO HVI 46. The capacity of the tank is 16L.

The operation of leveling or emptying must be made as shown on the maintenance chart «A».

1/ To check the oil level in the tank, proceed as follows:

- a/ Put the machine on a flat surface and check the level.
- b/ If the level is low, unscrew the cap and fill it with the oil indicated above. Use only new oil.
- c/ Once the level is reached, close the cap.

2/ To drain and replace the oil filter, proceed as follows:

- a/ Put an adequate capacity container under the tank.
- b/ Loosen one of the two hoses to pour out the hydraulic oil.
- c/ Unscrew the cartridge filter and change it.
- d/ Reconnect the hose and fill the tank..

LUBRICATION

All greasing points have HYDRAULIC FORM "A" UNI 7663 grease.

For lubrication, use only the MULTIFUNCTIONAL LITHIUM BASED NLGI 2 grease.

PROBLEM SOLVING

Symptom	Causes	Procedure
The controls do not work	<ul style="list-style-type: none"> - Hoses unconnected - Hydraulic pump broken - Lack of oil 	<ul style="list-style-type: none"> - Connect the hoses - Replace the pump - Add oil to the tank
The cylinders move jerkily	<ul style="list-style-type: none"> - Air in the hydraulic system 	<ul style="list-style-type: none"> - Check the oil level in the tank - Check hose fittings - Work each cylinder for a few minutes to push the air out
Loose arm and/or stabilizers	<ul style="list-style-type: none"> - Worn out cylinder joints 	<ul style="list-style-type: none"> - Replace the seals - Check the wear of the distributors
Oil overheating	<ul style="list-style-type: none"> - Dirty oil filter - Crushed hoses - Low oil level 	<ul style="list-style-type: none"> - Replace the filter - Check and replace if necessary - Fill up to level
Oil leak	<ul style="list-style-type: none"> - Couplings not tight enough - Worn out joints 	<ul style="list-style-type: none"> - Tighten couplings - Replace the joints
Insufficient bucket power	<ul style="list-style-type: none"> - Worn out pump - Low oil level - Badly adjusted valves - Dirty oil filter - Oil leak - Worn out joint 	<ul style="list-style-type: none"> - Replace the pump - Level up the oil - Check the setting - Replace the filter - See above - Replace joint

TRANSPORT

The transportation of the machine, after work, must be made on trailers with the engine turned off.



<Important>: keep a moderate speed. Avoid heavy vibration.

<Note>: on the road, respect the local road rules. Ensure all the side lights and direction indicators are clearly visible from the rear.

< Operations >: Make sure that all the mechanical safety blocks are fully inserted..

STORAGE

Before storage, clean the machine to remove any debris, soil and dust. Store the machine in a dry place.

DISPOSING OF THE MACHINE

At the end of the machine's functionality, it must be destroyed; this should be done only by authorized specialists. Follow local rules. Apply to the competent authorities for the procedure. The main components of the machine are: iron, rubber, paint, etc

WARRANTY

The machine is covered by a manufacturer's warranty for a period of 24 months from the date of delivery;

The warranty is void:

- a) if the maintenance has not been performed correctly
- b) if the use does not match that specified by the manufacturer
- c) if the machine has been altered or modified without prior written consent of the manufacturer

A 3-year warranty is granted on KOHLER engines, by KOHLER and on site at the date of delivery.

