

ORIGINAL INSTRUCTIONS - according to Regulation (EU) 2014/1322, Annex XXII

**LUXSUM™ 100**  
**LUXSUM™ 110**  
**LUXSUM™ 120**  
**Tractor - STAGE IV**  
*PIN DBDLXI\*\*\*JSS01001 and above*

**OPERATOR'S MANUAL**

**Part number 51535280**

3rd edition English

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# 1 - GENERAL INFORMATION

## Metric and imperial units abbreviations

| Typical applications                | Metric unit            |                 | Imperial unit         |                    |
|-------------------------------------|------------------------|-----------------|-----------------------|--------------------|
|                                     | Name                   | Symbol          | Name                  | Symbol             |
| Area (Land area)                    |                        |                 |                       |                    |
|                                     | hectare                | ha              | acre                  | ac                 |
|                                     | square meter           | m <sup>2</sup>  | square foot           | ft <sup>2</sup>    |
|                                     | square millimeter      | mm <sup>2</sup> | square inch           | in <sup>2</sup>    |
|                                     |                        |                 | square inch           | in <sup>2</sup>    |
| Electricity                         |                        |                 |                       |                    |
|                                     | ampere                 | A               | ampere                | A                  |
|                                     | volt                   | V               | volt                  | V                  |
|                                     | microfarad             | μF              | microfarad            | μF                 |
|                                     | ohm                    | Ω               | ohm                   | Ω                  |
| Force                               |                        |                 |                       |                    |
|                                     | kilonewton             | kN              | pound                 | lb                 |
|                                     | newton                 | N               | pound                 | lb                 |
| Force per length                    |                        |                 |                       |                    |
|                                     | newton per meter       | N/m             | pound per foot        | lb/ft              |
|                                     |                        |                 | pound per inch        | lb/in              |
| Frequency                           |                        |                 |                       |                    |
|                                     | megahertz              | MHz             | megahertz             | MHz                |
|                                     | kilohertz              | kHz             | kilohertz             | kHz                |
|                                     | hertz                  | Hz              | hertz                 | Hz                 |
| Frequency - Rotational              |                        |                 |                       |                    |
|                                     | revolution per minute  | r/min           | revolution per minute | r/min <sup>a</sup> |
|                                     |                        | rpm             |                       | rpm                |
| Length                              |                        |                 |                       |                    |
|                                     | kilometer              | km              | mile                  | mi                 |
|                                     | meter                  | m               | foot                  | ft                 |
|                                     | centimeter             | cm              | inch                  | in                 |
|                                     | millimeter             | mm              | inch                  | in                 |
|                                     | micrometer             | μm              |                       |                    |
| Mass                                |                        |                 |                       |                    |
|                                     | kilogram               | kg              | pound                 | lb                 |
|                                     | gram                   | g               | ounce                 | oz                 |
|                                     | milligram              | mg              |                       |                    |
| Mass per mass                       |                        |                 |                       |                    |
|                                     | milligram per kilogram | mg/ kg          | parts per million     | ppm                |
| Power                               |                        |                 |                       |                    |
|                                     | kilowatt               | kW              | horsepower            | Hp                 |
|                                     | watt                   | W               | Btu per hour          | Btu/hr             |
|                                     |                        |                 | Btu per minute        | Btu/min            |
| Pressure or stress (Force per area) |                        |                 |                       |                    |
|                                     | kilopascal             | kPa             | pound per square inch | psi                |
|                                     |                        |                 | inch of mercury       | inHg               |
|                                     | pascal                 | Pa              | inch of water         | inH <sub>2</sub> O |
|                                     | megapascal             | MPa             | pound per square inch | psi                |
|                                     | millibar               | mbar            |                       |                    |
|                                     | bar                    | bar             |                       |                    |

1 - GENERAL INFORMATION

| Typical applications  | Metric unit            |                     | Imperial unit         |                      |
|---|------------------------|---------------------|-----------------------|----------------------|
|   | Name                   | Symbol              | Name                  | Symbol               |
| Temperature (other than thermodynamic)                                    |                        |                     |                       |                      |
|   | degrees Celsius        | °C                  | degrees Fahrenheit    | °F                   |
| Time  |                        |                     |                       |                      |
|   | hour                   | h                   | hour                  | h                    |
|   | minute                 | min                 | minute                | min                  |
|   | second                 | s                   | second                | s                    |
| Torque (includes bending moment, moment of force, and moment of a couple) |                        |                     |                       |                      |
|   | newton meter           | N m                 | pound foot            | lb ft                |
|   |                        |                     | pound foot            | lb in                |
| Velocity  |                        |                     |                       |                      |
|   | kilometer per hour     | km/h                | mile per hour         | mph                  |
|   | meter per second       | m/s                 | foot per second       | ft/s                 |
|   | millimeter per second  | mm/s                | inch per second       | in/s                 |
|   | meter per minute       | m/min               | foot per minute       | ft/min               |
| Volume (includes capacity)  |                        |                     |                       |                      |
|   | cubic meter            | m <sup>3</sup>      | cubic yard            | yd <sup>3</sup>      |
|   |                        |                     |                       | cu yd                |
|   | liter                  | l                   | cubic inch            | in <sup>3</sup>      |
|   | liter                  | l                   | US gallon             | US gal               |
|   |                        |                     | UK gallon             | UK gal               |
|   |                        |                     | US quart              | US qt                |
|   |                        |                     | UK quart              | UK qt                |
|   | milliliter             | ml                  | fluid ounce           | fl oz                |
| Volume per time (includes discharge and flow rate)                        |                        |                     |                       |                      |
|   | cubic meter per minute | m <sup>3</sup> /min | cubic foot per minute | ft <sup>3</sup> /min |
|   | liter per minute       | l/min               | US gallon per minute  | US gal/min           |
|   | milliliter per minute  | ml/min              | UK gallon per minute  | UK gal/min           |
| Sound power level and sound pressure level                                |                        |                     |                       |                      |
|   | decibel                | dB                  | decibel               | dB                   |
| Water hardness  |                        |                     |                       |                      |
|   | German hardness        | °dH                 | English hardness      | °e                   |
|   | French hardness        | °fH                 | parts per million     | ppm                  |

**Glossary**

| Acronym | Definition                                     |
|---------|--|
| DEF     | Diesel Exhaust Fluid                           |
| ISO     | International Organization for Standardization |
| MSDS    | Material Safety Data Sheet                     |
| NOx     | Nitrogen Oxide                                 |
| PPE     | Personal Protective Equipment                  |
| SCR     | Selective Catalytic Reduction                  |
| ULSD    | Ultra Low Sulfur Diesel                        |
| %       | Percent  |
| <       | Less than                                      |
| >       | Greater than                                   |

## Note to the owner

### General information

This manual has been prepared according to ISO 3600:1996 to assist you in the correct procedure for running—in, driving, operating and for the maintenance of your new tractor. Read this manual carefully. Your tractor is intended for use in normal and customary agricultural applications.

If at any time you require advice concerning your tractor, do not hesitate to contact your authorized dealer. He has factory trained personnel, genuine manufacturers' parts and the necessary equipment to carry out all your service requirements.

The specification is provided for your information and guidance. For further information concerning your tractor and equipment, consult your authorized dealer.

All data given in this manual is subject to production variations. Dimensions and weight are approximate only. The illustrations do not necessarily show tractors in standard condition or imply that these features are available in all countries. For exact information about any particular tractor, please consult your authorized dealer.

Your tractor has been designed and built to give maximum performance, economy and ease of operation under a wide variety of operating conditions. Your tractor fulfills all requirements as specified in the Regulation (EU) No 167/2013 of the European Parliament and of the Council. Prior to delivery, the tractor was carefully inspected, both at the factory and by your dealer to ensure that it reaches you in optimum condition. To maintain this condition and ensure trouble-free operation, it is important that the routine services, as specified on page 7-15 of this manual, are carried out at the recommended intervals.

All persons training to operate, or who will operate this tractor should be old enough to possess a valid local vehicle operating permit (or meet other applicable local age requirements). These persons must demonstrate the ability to operate and service the tractor in correct and safe manner.

### About this manual

This manual gives information for use of your machine, as intended and under the conditions foreseen by the manufacturer during normal operation and routine service and maintenance.

Do not use this machine for any application or purpose other than those described in this manual. If the machine is to be used for work involving the use of special attachments, accessories or equipment, consult your authorized dealer in order to make sure that any adaptations or modifications made are in keeping with the machine's technical specifications and with prevailing safety requirements.

Read this manual carefully, paying particular attention to the instructions concerning safety, operation and maintenance so as to avoid the risk of injury while operating or servicing the machine. Always keep this manual in the operator's compartment and store it in the provided pocket in the back of your seat. Make sure it is always complete and in good condition.

This manual does not contain all the information related to periodical service, converting and repairs to be carried out by professional service personnel.

The table of contents page(s) are provided to have an overview of main manuals topics. A detailed alphabetic index is available at the end of this manual for locating specific items.

### Normal operation

- Normal operation means the use of the tractor for the purpose intended by the manufacturer by an operator familiar with the tractor and the mounted or towed equipment and complying with the information for operation and safe practices, as specified by the manufacturer in this manual and by the decals on the tractor and the equipment.
- Normal operation includes the preparation and storage of the tractor, swinging components into work position and vice versa, adding or removing ballast and picking up and setting off attachments.
- Normal operation includes the adjustment and setting of the tractor and equipment, for the specific condition of the field and/or the crop.

### Routine service

- Routine service and maintenance means activities that must be done daily by an operator familiar with the tractor characteristics and complying with the information for routine service and safe practices, as specified by the manufacturer in this manual and by decals on the tractor, in order to maintain its proper function. Routine service includes activities such as fueling, cleaning, washing, topping up fluid levels, greasing, replacing of consumable articles such as lamp bulbs.

### Periodical service, conversions and repair

- Periodical service consists of activities that must be done at defined intervals by trained personnel familiar with the tractor characteristics and which are complying with the information for periodical service and safe practices, as partly specified by the manufacturer in this manual and in other Company literature, in order to maintain the expected life time of the tractor.
- Conversion activities must be done by professional service personnel familiar with the tractor characteristics and complying with the information for converting, as

partly specified by the manufacturer in this manual, in assembly instructions or in other Company literature, in order to fit the tractor to a specific configuration.

- Repair activities restore proper function to a tractor after a failure or degradation of performance. The activities must be performed by professional service personnel familiar with the tractor characteristics and complying with the information for repair, as specified by the manufacturer in the service manual, in order to restore the proper function of the tractor.

## Cleaning the tractor

Your tractor is a state of the art machine with sophisticated, electronic controls. This should be taken into consideration when cleaning the tractor, particularly if using a high pressure washer. Even though every precaution has been taken to safeguard electronic components and connections, the pressure generated by some of these machines is such that complete protection against water ingress cannot be guaranteed.

When using a high pressure washer, do not stand too close to the tractor and avoid directing the jet at electronic components, electrical connections, breathers, seals, filler caps, etc. Never direct a cold water jet at a hot engine or exhaust.

Failure to comply with these rules will render the warranty null and void.

## Safety

The pages in Section 2 list the precautions to be observed to ensure your safety and the safety of others. Read the safety precautions and follow the advice offered before operating the tractor.

## First 50 hour service

In Section 11, at the back of this manual, you will find the 50 hour service reports.

**NOTICE:** *It is important the 50 hour service is carried out as recommended to ensure your tractor provides optimum performance and efficiency.*

After you have operated the tractor for 50 hours, take your tractor, together with this manual, to your dealer. He will then perform the factory recommended 50 hour service and complete the service report sheets (pages **11-1** and **11-3**). The first sheet (page **11-1**) is your copy of the service performed. The second sheet (page **11-3**) is the dealer's copy and should be removed by the dealer after the service has been carried out. Ensure that you and the dealer sign both copies.

## Service parts

It should be pointed out that genuine parts have been examined and approved by the company. The installation and/or use of 'non-genuine' products could have negative effects upon the design characteristics of your tractor and thereby affect its safety. The company is not liable for any damage caused by the use of 'non-genuine' parts and accessories. Only genuine replacement parts should be used. The use of non-genuine parts may invalidate legal approvals associated with this product.

It is prohibited to carry out any modifications to the tractor unless specifically authorized, in writing, by the After Sales Service department of the Company. Any modification or adaptation which is not approved by the manufacturer may invalidate the machine's initial conformity with safety requirements.

## Warranty

Your tractor is warranted according to legal rights in your country and the contractual agreement with the selling dealer. No warranty shall, however, apply if the tractor has not been used, adjusted and maintained according to the instructions given in the operators manual.

## Use of biodiesel fuels

**NOTICE:** *Before using biodiesel fuels in your tractor, refer to the information on page 7-3 regarding the storage and use of Bio diesel fuels.*

**Buy Now**



Our support email:

[ebooklibonline@outlook.com](mailto:ebooklibonline@outlook.com)