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UNMANNED AUTONOMOUS SELF-PROPELLED TRACTOR

Product Description

This equipment mainly consists of a control mechanism, steering mechanism, power transmission mechanism, and supporting garden management devices. It supports multiple operations such as trenching, weeding, fertilizing, seeding, and vine burying, suitable for various land plots and compatible with existing tractor implements. Moreover, it is equipped with an intelligent navigation system that achieves unmanned operations in various scenarios, freeing the hands of farmers.

Performance Characteristics

- ◆ Strong Compatibility
- ◆ Intelligent Navigation
- ◆ Precision Operation
- ◆ Suitable for Different Terrains
- ◆ Easy Operation and Maintenance
- ◆ Supports Multiple Tasks
- ◆ Remote Adjustment of Operation Modes and Parameters



Product Features

- ① It can add or replace different operation devices and functional modules according to the needs of orchard management, It can perform various tasks such as trenching, weeding, fertilizing, seeding, and plowing, providing comprehensive support for orchard management.
- ② Using a crawler-type structure, it has excellent obstacle-crossing performance and maneuverability, adapting to the operational needs of various complex terrains, including mountainous, plains, and wetland orchard environments.
- ③ It is compatible with existing tractor-mounted implements, allowing flexible coordination to enhance equipment versatility and flexibility.

- ④ Equipped with an intelligent navigation system, it can achieve autonomous navigation and operation, reducing labor input and improving operational efficiency, accuracy, and automation.
- ⑤ It is equipped with precision manipulation and steering mechanisms, enabling precise operation and navigation to ensure operation quality.
- ⑥ Equipped with a data monitoring system, it can real-time monitor orchard environmental parameters and operation conditions. Based on this data, it intelligently adjusts operation modes and parameters, providing accurate data support for orchard management decisions.
- ⑦ It is easy to operate and maintain, reducing training costs and time.

Product Parameters

Project name	unit	Details
Model Name	/	3GG_29 crawler orchard management machine
Dimensions	mm	2500X1300X1100
weight	KG	2600
matching (engine calibration) power	KW	29.4
Calibrated (rated) speed	r/min	2600
Engine transmission mode	/	Direct connection
Track pitch	mm	90
Number of track sections	knots	58
Track width	mm	280
gauge	mm	1020
Matching rotary tillage device type	/	Rotary blade type
Maximum working width of matching rotary tillage device	mm	1250
Type of matching ditching device	/	Disc blade type
Maximum working width of matching ditching device	mm	300
Type of matching mowing device	/	Throwing knife
Control method	/	Remote control/unmanned

Application Scenarios



Unmanned seeding



Unmanned Lawn



Unmanned trenching



Unmanned plowing



Unmanned rotary tiller