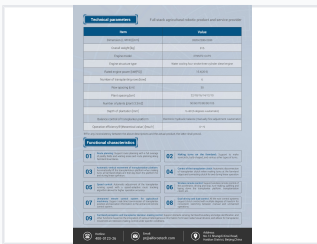


# Unmanned Rice Transplanter Robot

This unmanned rice transplanter is designed for efficient and precise planting. It features self-learning capabilities and a self-designed intelligent drive-by-wire system.



## ADDITIONAL IMAGES



## Product Overview

### Unmanned Intelligent Rice Transplanter

This advanced agricultural robotic system transitions traditional farming into the autonomous era by integrating a self-designed, drive-by-wire platform with AI-driven sensor fusion. It features Beidou high-precision positioning, 5G remote driving capabilities, and intelligent route planning to ensure precise transplantation across various farmland conditions. By automating complex tasks like turn-making, depth control, and clutch management, the system significantly reduces labor costs while maximizing operational efficiency and planting quality.

## Technical Specifications

Dimensions (L x W x H)	3320 x 2200 x 2330 mm
Overall Weight	815 kg

## Engine & Power

### Engine Details

**15.4 kW**

Rated Power

**20.9 PS**

Rated Power

Engine Model	3TNM72-CUP2
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## Planting Performance

Number of Rows	6
Planting Density Options	50, 60, 70, 80, 90, 105 plants/3.3m <sup>2</sup>
Plantation Depth	5-60 mm (6 degrees + automatic)

## Operational Features

### Automation Functions

- High-precision route tracking
- Automatic turn-making (semicircle, bulb-shaped)
- Automatic vertical lift for transplantation platform
- Automatic clutch control at farmland edges
- Speed-adaptive route tracking algorithm
- Obstacle sensing and boundary identification

### Operation Efficiency

9 mu/h