

# ATTACHMENT

REMOTE CONTROLLED PRODUCTIVITY

## BLO/RCU

Mulcher for RCU45 remote-controlled tracked carrier.

The BLO/RCU is able to mulch branches and shrubs up to 4 inches in diameter. The Bite Limiter technology offers high productivity even at low horsepower.

## PML/RCU

Flail mulcher for RCU45 remote-controlled tracked carrier.

The PML/RCU is a swinging hammer mulcher for efficient processing of grass, brambles, brushwood, and small shrubs up to about 2 inches in diameter.

| MODEL                       | BLO/RCU45-125    | PML/RCU45-130 |
|-----------------------------|------------------|---------------|
| Head type                   | Forestry mulcher | Flail mulcher |
| Working width (in)          | 49               | 52            |
| Total width (in)            | 57               | 57            |
| Weight (lbs)                | 882              | 716.5         |
| Rotor diameter (in)         | 12               | 14            |
| Max shredding diameter (in) | 4                | 2             |
| No. blades type BL/MINI     | 24               | -             |
| No. teeth type C/3/MINI     | 24               | -             |
| No. flais type Y/2          | -                | 22+22         |
| No. hammers type PML        | -                | 22            |

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### ROTOR TYPE BL



BLADE BL/MINI  
(standard)



TOOTH C/3/MINI  
(option)

### ROTOR TYPE PML



FLAIL Y/2  
(standard)



HAMMER PML  
(option)

## 01 Robust

Steel structural frame.  
Integrated and protected components.

## 02 Agile

Works on sloping terrain up to 55°.  
Full axis rotation.

## 03 Bite Limiter

Available with the BLO/RCU forestry mulcher  
with Bite Limiter technology.

## 04 High-tech

Integrated system of control units  
and sensors for maximum  
performance at all times.

## 05 Professional

The result of wide FAE's experience on tracked  
carries for forestry and demining sectors.



## LAND CLEARING RCU45



fae-group.com

REMOTE CONTROLLED TRACKED CARRIERS

USA

# RCU45

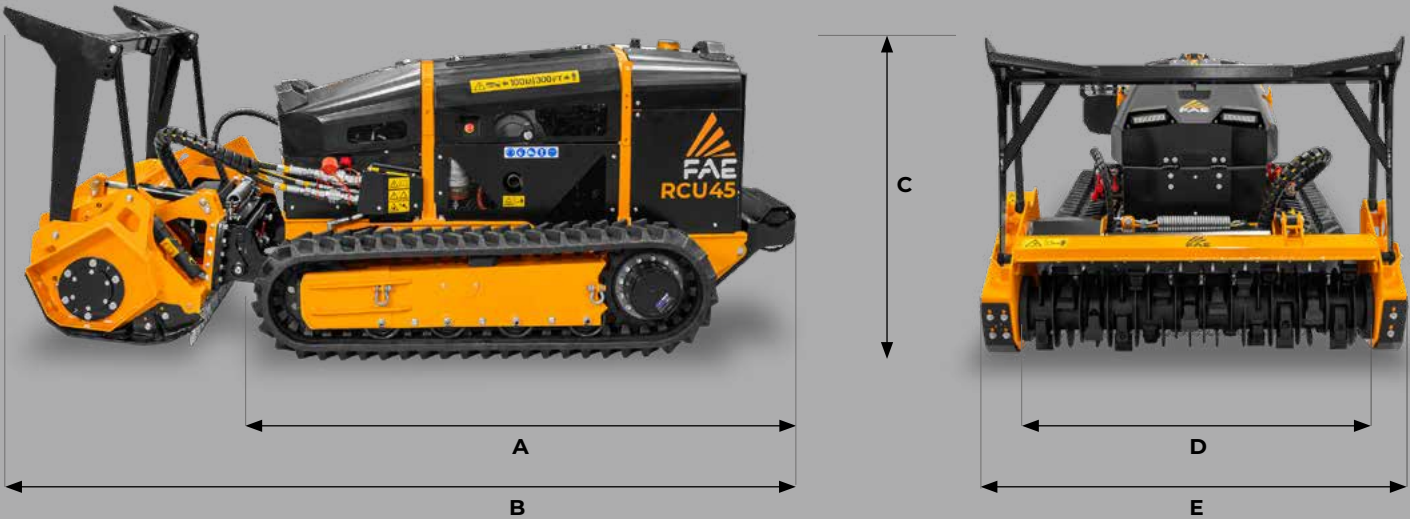
Working in hard-to-reach areas or on steeply sloping terrain requires special equipment that ensures user safety and operating efficiency. FAE's compact RCU remote-controlled tracked carriers are the result of FAE's experience in designing tracked carriers in the PT series and developing remote-guidance systems for the vehicles in our Demining line. The RCU45 has been designed for optimal vegetation maintenance. Its versatility makes it well-suited for working in municipal green areas, in hilly and wooded areas, near railroad tracks, power lines, gas and oil pipelines, and nurseries, and along roads, highways, canals, rivers, and lakes.



**APPLICATIONS:**

- Forestry maintenance
- Power line, oil pipeline, and gas pipeline maintenance
- Roadside and railway line maintenance
- Plantation and nursery maintenance
- Canal, river, and lake maintenance

**DIMENSION**



**A** Overall lenght without attachment  
**B** Transport lenght with BLO/RCU attachment on ground

78 in  
122 in

**C** Max height  
**D** Overall track width  
**E** See attachements table

44 in  
51-57 in

44 HP REMOTE CONTROLLED TRACKED VEHICLE.

## RCU45

The RCU45 is able to shred branches, wood, grass, and small shrubs, thanks to the different attachments with which it can be fitted. It is efficiently powered by the 44-hp Yanmar common rail engine with electronic fuel injection. The RCU45 can work on steep slopes

of up to 55°. The heavy-duty undercarriage, featuring an automatic rubber track tensioning system, has been designed to operate under the most challenging conditions. The dual hydrostatic transmission makes it easier to manage both traction and the attachment.

**FAE APP**

The FAE App can be used to manage various settings of the RCU45. It also allows users to reposition the vehicle if the remote control cannot be used, to monitor data in real time, to run diagnostics in the event of a component or system failure, and to receive scheduled maintenance notifications.



**EFFICIENT AND RELIABLE TRANSMISSION**

Electronically controlled piston pumps combined with a dedicated electronic control unit provide an integrated technological system. The result is high performance and long-term reliability, as well as simple and intuitive operation.



**HEAVY DUTY UNDERCARRIAGE**

The heavy-duty undercarriage, featuring an automatic rubber track tensioning system, has been designed to operate under the most challenging conditions, guaranteeing unbeatable traction even on steep slopes of up to 55°.

**STANDARD EQUIPMENT**

|                                             |                                                            |
|---------------------------------------------|------------------------------------------------------------|
| Engine YANMAR 3TNV86CT Turbocharged         | High-profile rubber tracks and roller system               |
| DOC/DPF after-treatment system              | Combined aluminum cooler with anti-clogging fins           |
| Hydrostatic tracks transmission             | Proportional and reversible radiator fan                   |
| Hydrostatic attachments transmission        | Ergonomic joysticks                                        |
| Auxiliary hydraulic circuit for attachments | 4.3" LCD color display on remote control unit              |
| RCU45 attachment plate                      | Double remote control battery and on-board battery charger |
| Load Control System                         | LED working lights                                         |
| Floating System                             |                                                            |

**OPTIONS**

|                              |         |
|------------------------------|---------|
| Rear electric recovery winch | Bio-oil |
|------------------------------|---------|



44 hp

**PROFESSIONAL REMOTE CONTROL**

The ergonomic remote control with a large 4.3" display makes it easy to manage all vehicle and head functions. User-customizable function keys. 2.4 GHz transmission frequency.



**SELF-CLEANING RADIATOR**

The combined aluminum radiator with anti-clogging fins is paired with a proportional and reversible fan with hydraulic control, in order to keep the radiator clean and efficient at all times, consistently maintaining peak performance and reducing the need for upkeep.



| TECHNICAL DATA                  |       | RCU45 - Tier 4 Final / Stage V                                                                                                                      |
|---------------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Engine Gross Power              |       | 44 hp                                                                                                                                               |
| Engine Emission                 |       | EPA Tier 4 Final - EU Stage V                                                                                                                       |
| Hydrostatic closed loop circuit |       | Max Pressure 4205 psi                                                                                                                               |
| Attachment closed loop circuit  |       | Max Flow 16 gpm - Max Pressure 4205 psi                                                                                                             |
| Open Loop                       | AUX 1 | Max Flow 5.3 gpm - Max Pressure 2175 psi                                                                                                            |
|                                 | AUX 2 | Max Flow 7.9 gpm - Max Pressure 2175 psi                                                                                                            |
| Lifting Capacity                |       | Max 992 lbs @ center of gravity position: Height 10.5 in from the ground level / Lenght 14 in from the attachment plate / Width on RCU central axis |
| Hydraulic Oil Tank Capacity     |       | 6.6 gal                                                                                                                                             |
| Fuel Tank Capacity              |       | 8.2 gal                                                                                                                                             |
| Rubber Track                    |       | 72 mm Pitch - 10 in width - High profile                                                                                                            |
| Lower Rollers                   |       | 4 + 4 HD style - Double flange                                                                                                                      |
| Front Idler / Tensioning Group  |       | Single flange idler - Automatic tensioning system                                                                                                   |
| Voltage                         |       | 12 Volt                                                                                                                                             |
| Max Forward Speed               |       | 3 mph (L mode); 4.6 mph (H mode)                                                                                                                    |
| Max Reverse Speed               |       | 3 mph (L mode); 4.6 mph (H mode)                                                                                                                    |
| Gradeability                    |       | 55° - All directions                                                                                                                                |
| Operating Weight                |       | 2910 lbs (std equipment / standard rubber tracks)                                                                                                   |
| Ground Pressure                 |       | 3.7 psi (std equipment / standard rubber tracks / BLO/RCU45-125)                                                                                    |

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