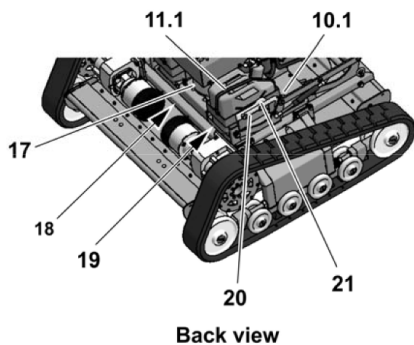
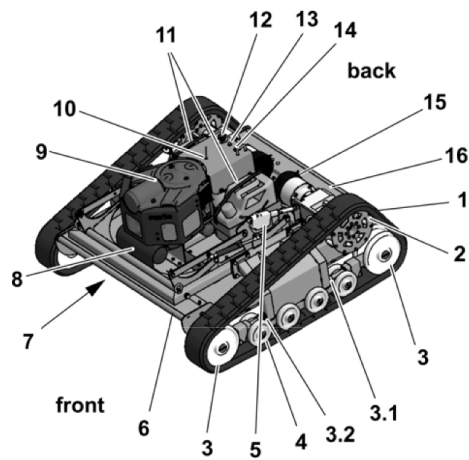


# INTRODUCTION

## INTRODUCTION



1. Crawler Tracks
2. Drive Sprocket
3. Guide Wheel
  - 3.1. Clamping Nut
  - 3.2. Camping Nut
4. Tightening Screw
5. Traveling Wheel
6. Mower Deck
7. Mowing Deck Clutch
8. Exhaust
9. Engine
10. Antenna
  - 10.1. Alternative Aerial Position
11. Removable Fuel Can
  - 11.1. Tension strap for removable fuel can
12. Emergency Stop Switch
13. Signal Light
14. Ignition Switch
15. Electric Motor
16. Transmission
17. Generator
18. Nameplate
19. Starter Battery
20. Open-ended spanner WAF 36
21. Wrench WAF 37

Literature Page



[www.algqr.com/arl](http://www.algqr.com/arl)

The RidgeRunner™ is a purpose built rotary-type remote controlled industrial mower rated to cut grass and light brush material up to 1" in diameter. The open style architecture design allows for easy access to all maintenance points at the roadside location.

## FEATURES

**All Terrain Operation** – The lightweight design combines steel-belted rubber tracks and a low center of gravity for an efficient operation on slopes up to 50 degrees. Weighing in at only 992 lbs. and having the ability to mow in either direction allows the RidgeRunner™ to leave a less visible impact on roadside terrain; even during the most aggressive maneuvering.

**Informative Remote Control** – The Remote Radio Controller features a convenient user information center with an LED display allowing the operator to be constantly aware of six key mower functions:

- Travel speed
- Cutting height
- Hours of operation
- Strength of the radio signal
- State of charge of battery in the remote control
- Mower on/off

Changes in travel speed, direction, blade engagement and mowing height can be made on the go using the remote control unit.

# INTRODUCTION

## INTRODUCTION

**Efficient, Reliable Power** – 24 HP Briggs & Stratton 8720 “Commercial Series” air cooled, 2-cylinder, 4-stroke, gasoline engine. The standard 5.28 gallon fuel capacity allows for 4 to 5 hours of continuous cutting.

**Safety Comes First** – Replaceable heavy steel safety flaps reduce the risk of thrown objects. Our twin spindle deck design has two custom designed blade carriers. Each carrier is equipped with four 360 degree swinging blades offering breakaway protection in the event of impacts.

**Open Style Architecture** – This mower design allows for easy access to all systems at the roadside location. The deck features a removable access hatch to easily change mower blades in the field. The twin 2.64 gallon, military-style, removable fuel tanks make re-fueling a breeze.

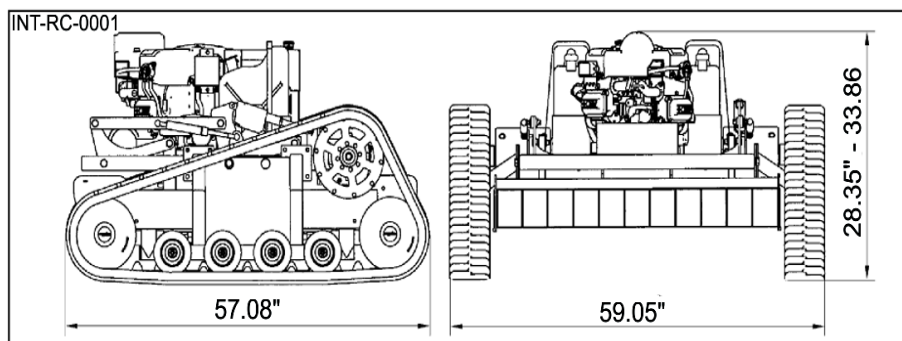
**Warranty** – One year parts and labor. Non-governmental users subject to a modified policy. Only genuine Alamo Industrial OEM parts may be used for warranty replacement

**Optional Equipment**- Replacement 2.64 gallon fuel tank

## **Specifications**

Remote-controlled rotary mulcher

Engine	Briggs & Stratton
Traction drive:	Infinitely variable electrical drive for crawler track 48 V
Travel speeds:	Forward 0 - 10 km/h (6.2 mph) Reverse 0 - 10 km/h (6.2 mph)
Brake:	Short-circuit brake
Ground pressure:	280 g/cm <sup>2</sup> (28 kPa) (3.98 PSI)
Mulch drive:	V-belt with clutch
Speed of cutter spindles:	2950 rpm
Blade:	Sickle blade, 2 x ø 590 mm (23.23")
Area capacity:	approx. 5000 m <sup>2</sup> /h
Control:	Electrical, remote control with joystick
Remote control range:	max. 300 m (984.25 feet)
Normal working range of remote control:	max. 100 m (328.08 feet)
Ambient temperature:	-5 to +40 °C (-23° F to + 104°F)
Acoustic output level:	LWA=107.3 dB according to EN ISO 3744
Bearing lubricant:	Permanent lubrication
Weight:	480 kg (1058.22 lbs)
Cutting height adjustment:	50-190 mm (1.9685"-7.4803")
Ground clearance:	50-190 mm (1.9685"-7.4803")
Cutting width:	112 cm (47.2441")



# INTRODUCTION

## INTRODUCTION

### Gas Engine

Engine:

Briggs & Stratton model 44T8

Designation:

Series 8270

Type:

Air-cooled 2-cylinder 4-stroke OHV gas engine with electronic fuel control system and twin-chamber float-type carburetor

Bore x stroke:

79.2 x 73.4 mm (3.118" x 2.889")

Cubic capacity

724 ccm

Continuous output

17.9 kW (24.3 DIN HP) at 3600 rpm

Torque:

53.45 Nm at 2800 rpm

Spark plug:

Champion QC12YC Electrode gap: 0.76 mm

Ignition:

Electronic magneto ignition, contact-less, air gap 0.20 - 0.30 mm, radio-interference-suppressed in accordance with VDE 0879

Valve clearance: (with cold engine)

Inlet and outlet 0.10 - 0.15 mm

Starting device:

Electric starter 12 V

Generator:

16 A

Battery:

12 V 72 Wh

Fuel:

Standard regular grade gas for motor vehicles, octane number see engine operating instructions

Fuel consumption:

313 g/kWh

Fuel can capacity:

2 x 10.0 l

Air filter:  
prefilter

Cyclone air filter system with cartridge and foam

Operating speed:

3300-3400 rpm

Idle speed:

2750 rpm

Lubrication:

Forced-feed circulation lubrication

Engine oil:

Multi-grade oil, filling quantity: 1.9 l at ambient temperature -15° to +45°C: SAE 10W-40 SF, SG, SH, SJ (or higher)

Slope capability:

The engine is suitable for use on slopes (with "max." engine oil level = upper filling mark): Continuous operation up to inclination of 50° (119 %)