

Scheppach RM420SET

Scheppach RM420 Gasoline Lawnmower Instruction Manual

Model: RM420SET

1. PRODUCT OVERVIEW

The Scheppach RM420 is a powerful and versatile gasoline lawnmower designed for efficient lawn care. This 3-in-1 mower offers mowing, catching, and cleaning functions, making it suitable for various gardening needs. It features a robust 4-stroke engine, a 42 cm cutting width, and a central cutting height adjustment system.

Key Features:

- Powerful 4-stroke gasoline engine.
- 42 cm cutting width for efficient coverage.
- Central cutting height adjustment in 7 stages (25 – 75 mm).
- Integrated cleaning function with water connection for easy maintenance.
- Robust 45 L grass catcher box with fill level indicator.
- Includes engine oil for immediate use.



Image: The Scheppach RM420 gasoline lawnmower, showcasing its design and the included engine oil bottle.



ANWENDUNGSBEISPIELE

GEEIGNET FÜR

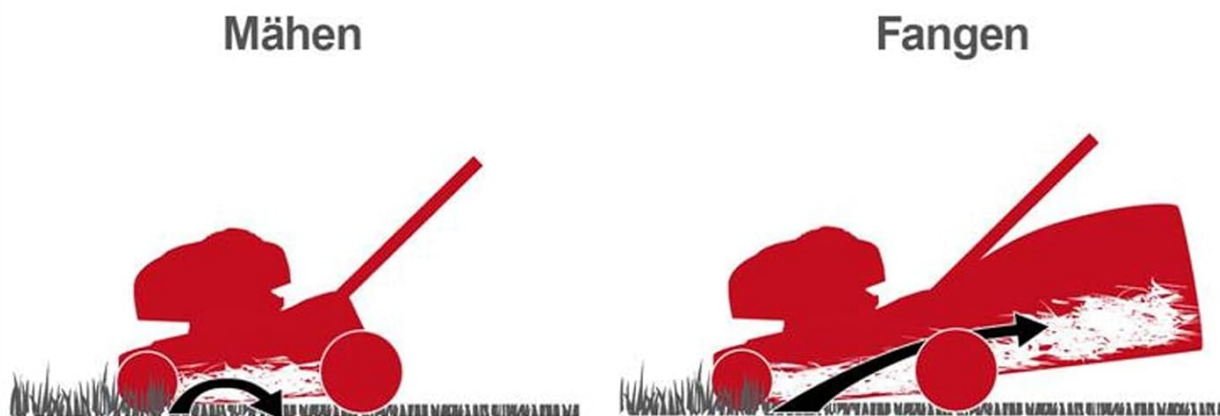


Image: Diagram illustrating the 3-in-1 capabilities of the Scheppach RM420: Mowing, Catching, and Cleaning function.

2. SAFETY INFORMATION

Always read and understand all safety warnings and instructions before operating the lawnmower. Failure to follow these instructions may result in electric shock, fire, and/or serious injury.

General Safety Rules:

- **Personal Protective Equipment:** Always wear sturdy footwear, long trousers, and eye protection when operating the lawnmower. Consider hearing protection.
- **Fuel Handling:** Gasoline is highly flammable. Handle fuel outdoors in a well-ventilated area. Do not smoke or allow flames or sparks near fuel. Store fuel in approved containers.
- **Blade Safety:** The cutting blade is sharp. Never place hands or feet near the rotating blade. Disconnect the spark plug wire before performing any maintenance or clearing blockages.
- **Operation Area:** Clear the area of objects such as rocks, sticks, wires, bones, and other debris that could be thrown by the blade. Keep bystanders, especially children and pets, at a safe distance.
- **Slope Operation:** Exercise extreme caution when operating on slopes. Mow across the face of slopes, never

up and down. Do not mow excessively steep slopes.

- **Engine Off:** Always turn off the engine and wait for the blade to come to a complete stop before leaving the operating position, before refueling, or before making adjustments.

3. ASSEMBLY AND INITIAL SETUP

Before first use, some assembly and preparation are required to ensure the lawnmower operates correctly and safely.

Handle Assembly:

The handle comes folded for transport. Carefully unfold the handle and secure it using the provided knobs and bolts. Ensure all connections are tight and secure.

Adding Engine Oil:

1. Place the lawnmower on a level surface.
2. Locate the oil fill cap/dipstick on the engine.
3. Remove the cap and slowly pour the supplied engine oil into the oil reservoir.
4. Check the oil level using the dipstick; it should be between the 'min' and 'max' marks. Do not overfill.
5. Securely replace the oil fill cap.

Adding Fuel:

1. Ensure the engine is cool and turned off.
2. Locate the fuel tank cap.
3. Carefully open the fuel tank cap in a well-ventilated area.
4. Fill the tank with fresh, unleaded gasoline (minimum 95 RON). Do not overfill; leave space for expansion.
5. Securely replace the fuel tank cap.

Die zentrale Schnitthöhenverstellung erfolgt in 7 Stufen von 25-75 mm.



Image: The Scheppach RM420 lawnmower demonstrating its foldable handle, which allows for space-saving storage and easy transport.

4. OPERATION

Follow these steps for safe and effective operation of your Scheppach RM420 lawnmower.

Starting the Engine:

1. Ensure the fuel tank is filled and the oil level is correct.
2. Press the primer bulb (if equipped) several times until fuel is visible.
3. Move the choke lever to the 'START' or 'CHOKE' position (for cold starts).
4. Firmly pull the recoil starter cord until the engine starts.
5. Once the engine starts, gradually move the choke lever to the 'RUN' position.

Adjusting Cutting Height:

The Scheppach RM420 features a central cutting height adjustment system with 7 positions, ranging from 25 mm to

75 mm.

1. Ensure the engine is turned off and the blade has stopped rotating.
2. Locate the central height adjustment lever, typically near one of the wheels.
3. Pull the lever outwards and move it to the desired height setting.
4. Release the lever to lock it into position. Ensure all wheels are at the same height setting.

Easy Clean - Reinigungsfunktion
mit Wasseranschluss.

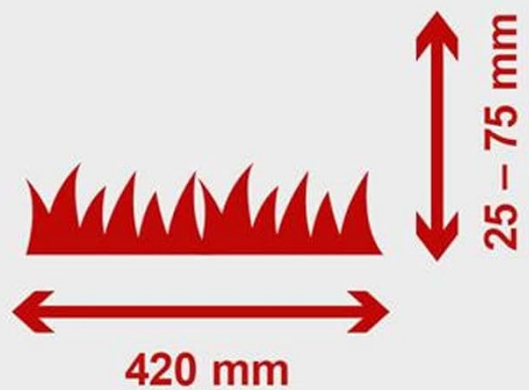


Image: A person demonstrating the central cutting height adjustment on the Scheppach RM420 lawnmower, which can be set in 7 stages from 25 to 75 mm.

Rasenfläche



Schnitthöhe und -breite



45 L Fangbox



Easy Clean

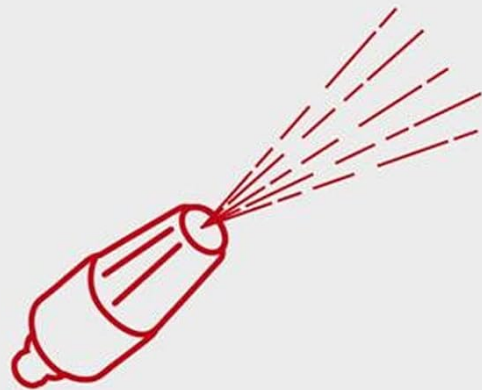


Image: A visual representation of the 7 cutting height settings available on the Scheppach RM420, ranging from 25 mm to 75 mm.

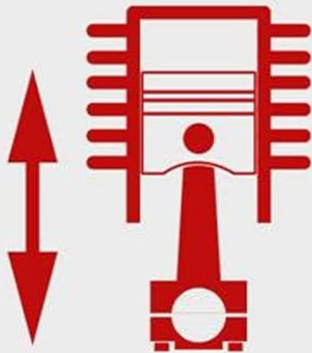
Mowing Techniques:

- Mow only in daylight or good artificial light.
- Avoid mowing wet grass, as it can clog the mower and be slippery.
- Overlap cutting swaths slightly to ensure even coverage.
- For best results, mow at a consistent speed.



Image: A person actively mowing a lawn with the Scheppach RM420 gasoline lawnmower, demonstrating its use in a typical garden setting.

**131 cm³, 3,3 PS
Motorleistung**



Seilzug-Startsystem



Image: Application examples illustrating how the Scheppach RM420 performs both mowing and grass catching functions.

Emptying the Grass Catcher:

The 45 L grass catcher box has a fill level indicator. When the indicator shows full, or when grass collection becomes less effective, it's time to empty the box.

1. Turn off the engine and wait for the blade to stop.
2. Lift the rear discharge flap.
3. Carefully remove the grass catcher box by lifting it upwards and backwards.
4. Empty the grass clippings into a suitable container.
5. Reattach the grass catcher box securely before resuming operation.

5. CLEANING AND MAINTENANCE

Regular cleaning and maintenance will extend the life of your lawnmower and ensure optimal performance.

Integrated Cleaning Function (Easy Clean):

The RM420 features an integrated water connection for easy cleaning of the cutting deck.

1. After mowing, ensure the engine is off and the blade has stopped.
2. Connect a garden hose to the water connection port on the cutting deck.
3. Turn on the water supply.
4. Briefly start the engine (for a few seconds) to allow the rotating blade to distribute water and clean the underside of the deck.
5. Turn off the engine and water supply. Disconnect the hose.

Durch den klappbaren Handgriff ist der Rasenmäher platzsparend und einfach zu transportieren.



Image: A person connecting a water hose to the Scheppach RM420 lawnmower for its Easy Clean integrated cleaning function.

General Maintenance:

- **Blade Inspection:** Regularly inspect the cutting blade for sharpness and damage. A dull or damaged blade can lead to poor cutting performance and excessive vibration. Have the blade sharpened or replaced by a qualified service technician if necessary.
- **Oil Change:** Change the engine oil after the first 5 operating hours, and then every 25 operating hours or annually, whichever comes first. Refer to the engine manual for specific instructions.

- **Air Filter:** Check and clean the air filter regularly, especially in dusty conditions. A clogged air filter can reduce engine performance.
- **Spark Plug:** Inspect the spark plug annually. Clean or replace it as needed to ensure reliable starting and engine performance.
- **Storage:** Before long-term storage, drain the fuel tank or add a fuel stabilizer. Clean the lawnmower thoroughly. Store in a dry, well-ventilated area.

6. TROUBLESHOOTING

This section provides solutions for common issues you might encounter with your lawnmower. For problems not listed here, or if solutions do not work, contact customer support.

Common Issues:

Problem	Possible Cause	Solution
Engine does not start	No fuel; old fuel; incorrect choke setting; fouled spark plug; low oil level.	Check fuel level; use fresh fuel; adjust choke; clean/replace spark plug; add oil.
Engine runs rough or stalls	Clogged air filter; old fuel; carburetor issue.	Clean air filter; use fresh fuel; contact service for carburetor issues.
Poor cutting performance	Dull or damaged blade; incorrect cutting height; wet or very tall grass.	Sharpen/replace blade; adjust cutting height; wait for grass to dry; mow in smaller passes.
Excessive vibration	Bent or unbalanced blade; loose components.	Inspect blade for damage; tighten all fasteners; contact service if vibration persists.
Grass catcher not filling	Clogged discharge chute; grass catcher full; incorrect cutting height.	Clear chute; empty catcher; adjust cutting height.

7. TECHNICAL SPECIFICATIONS

Detailed specifications for the Scheppach RM420 gasoline lawnmower.

Specification	Value
Model Number	RM420SET
Manufacturer	Scheppach
Drive Type	Gasoline-powered
Material Type	Alloy Steel
Item Weight	27 Kilograms
Product Dimensions	130T x 51B x 101H cm (approx. 51.18 x 20.08 x 39.76 inches)
Cutting Width	42 Centimeters
Cutting Height Adjustment	7 positions (25 - 75 mm)
Grass Catcher Capacity	45 Liters

Specification	Value
Operating Mode	Manual
Color	Black

8. WARRANTY AND CUSTOMER SUPPORT



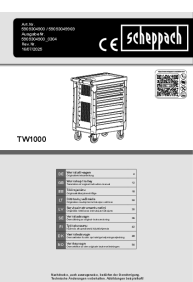
Scheppach products are manufactured to high quality standards and undergo strict quality controls. This product is covered by a manufacturer's warranty. Please refer to the warranty card included with your purchase for specific terms and conditions.

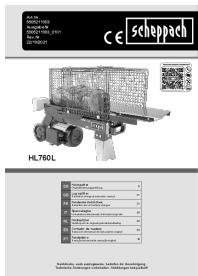
For technical assistance, spare parts, or warranty claims, please contact your authorized Scheppach dealer or visit the official Scheppach website for customer service contact information.

When contacting support, please have your model number (RM420SET) and purchase details readily available.

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Related Documents - RM420SET

	<p>scheppach TW1100 IX-WW1100 Werkstattwagen Bedienungsanleitung</p> <p>Entdecken Sie den scheppach TW1100 IX-WW1100 Werkstattwagen. Diese Bedienungsanleitung bietet detaillierte Informationen zur sicheren Handhabung, Montage und Wartung Ihres Werkstattwagens.</p>
	<p>Scheppach HSC130 Steintrenner Bedienungsanleitung</p> <p>Die Bedienungsanleitung für den Scheppach HSC130 Steintrenner bietet detaillierte Anweisungen zur sicheren Montage, Inbetriebnahme, Wartung und Fehlerbehebung dieses leistungsstarken Geräts für Haus und Garten.</p>
	<p>scheppach TW1000 Werkstattwagen Bedienungsanleitung</p> <p>Umfassende Anleitung für den scheppach TW1000 Werkstattwagen, die Montage, Bedienung, Sicherheitshinweise, Wartung und Entsorgung abdeckt. Erfahren Sie, wie Sie Ihren Werkstattwagen sicher und effizient nutzen.</p>



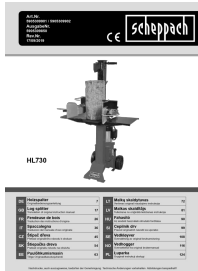
[scheppach HL760L Holzspalter Bedienungsanleitung](#)

Umfassende Bedienungsanleitung für den scheppach HL760L Holzspalter. Erfahren Sie alles über sichere Handhabung, Montage, Betrieb, Wartung und Fehlerbehebung dieses leistungsstarken Holzbearbeitungsgeräts von Scheppach GmbH.



[Scheppach HL815 Holzspalter Bedienungsanleitung](#)

Umfassende Bedienungsanleitung für den Scheppach HL815 Holzspalter. Enthält Sicherheitshinweise, Montageanleitungen, technische Daten und Wartungsempfehlungen für einen sicheren und effizienten Betrieb. Unterstützt mehrere Sprachen.



[scheppach HL730 Holzspalter: Umfassende Bedienungsanleitung](#)

Diese Bedienungsanleitung bietet detaillierte Informationen für den sicheren und effizienten Einsatz des scheppach HL730 Holzspalters, inklusive Sicherheitshinweisen, Montage, Betrieb und Wartung.