

Scheppach EXC815

Scheppach EXC815 Mini Excavator User Manual

Model: EXC815 | Brand: Scheppach

1. INTRODUCTION

Thank you for choosing the Scheppach EXC815 Mini Excavator. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new equipment. Please read this manual thoroughly before operating the machine to ensure proper use and to prevent injury or damage.

The Scheppach EXC815 is a compact and powerful gasoline-powered mini excavator designed for a variety of digging and earthmoving tasks in both garden and light construction environments. Its robust design and maneuverability make it ideal for accessing confined spaces.



Figure 1: Overview of the Scheppach EXC815 Mini Excavator. This image shows the complete excavator with its arm, bucket, tracks, and operator seat, highlighting its compact and robust design.

2. SAFETY INSTRUCTIONS

Always prioritize safety when operating the Scheppach EXC815 Mini Excavator. Failure to follow safety instructions can result in serious injury or death.

2.1 General Safety Warnings

- Always wear appropriate Personal Protective Equipment (PPE), including a hard hat, safety glasses, hearing protection, safety boots, and high-visibility clothing.
- Ensure the work area is clear of bystanders, especially children and pets.
- Never operate the excavator under the influence of alcohol, drugs, or medication that may impair judgment.
- Inspect the machine before each use for any damage, loose parts, or leaks. Do not operate if damaged.
- Keep hands and feet away from moving parts.
- Familiarize yourself with all controls and emergency shut-off procedures before starting the engine.

2.2 Operation Specific Safety

- Operate the excavator only on stable and level ground. Be aware of the machine's center of gravity, especially when digging or moving on slopes. The maximum climbing capacity is 15°.
- Do not exceed the machine's digging depth or arm reach limits.
- Be aware of underground utilities (pipes, cables) before digging.
- Ensure proper ventilation when operating the gasoline engine in enclosed spaces.
- Never leave the machine unattended with the engine running.

Capacité d'accès en pente max. 15°



Figure 2: The excavator demonstrating its maximum climbing capacity of 15 degrees. Always operate on stable ground and be mindful of slopes.

3. SETUP AND ASSEMBLY

The Scheppach EXC815 is designed for easy transport and setup. Upon delivery, ensure all components are present and undamaged.

3.1 Initial Inspection

- Unpack the excavator carefully and check for any visible damage during transit.
- Verify that all parts listed in the packing list are included.
- Check all fluid levels (engine oil, hydraulic fluid) before first use.
- Ensure all bolts and fasteners are tightened securely.

3.2 Fueling

- The excavator is powered by a 4-stroke gasoline engine. Use unleaded gasoline with the recommended octane rating.
- Fill the fuel tank in a well-ventilated area, away from open flames or sparks.
- Do not overfill the tank.

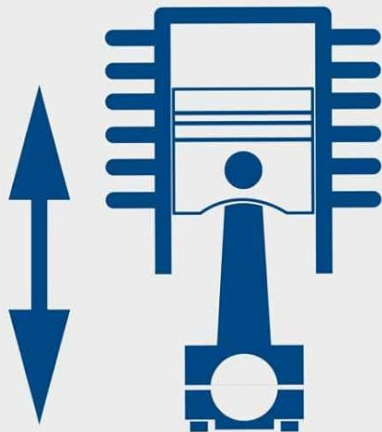
4. OPERATING INSTRUCTIONS

This section details the steps for operating your Scheppach EXC815 Mini Excavator.

4.1 Starting the Engine

- Ensure the machine is on stable ground and the parking brake is engaged.
- Turn the ignition key to the "ON" position.
- Utilize the electronic start system for easy engine ignition.
- Allow the engine to warm up for a few minutes before beginning operation.

Moteur thermique à 4 temps
306 cm³ / 8,5 CV / 6,3 kW



Plage de rotation 360°



Moteur thermique avec
E-Start



Figure 3: Diagram illustrating the 4-stroke engine (306 cm³, 8.5 HP / 6.3 kW) and the electric start feature, ensuring easy ignition.

4.2 Driving and Maneuvering

- The excavator features a chain drive with 150 mm wide rubber tracks, which can be controlled individually for precise movement.
- Maximum driving speed is 1.7 km/h.
- The narrow track width of 690 mm makes it ideal for navigating tight passages and hard-to-reach areas.

Voie de 690 mm, idéale pour les passages étroits et pour atteindre des zones difficiles d'accès.



Figure 4: The excavator operating in a narrow passage, demonstrating its 690 mm track width, which is ideal for confined spaces.

4.3 Excavation Operations

- The excavator offers a digging depth of up to 1200 mm and an arm reach of up to 2330 mm.
- The boom has a pivot range of $\pm 70^\circ$, allowing for versatile digging angles.
- The excavator bucket is 290 mm wide with a capacity of 0.011 m³.
- The machine's rotation range is 360° at 9.3 rpm, providing full operational flexibility.
- The large, lowerable leveling blade can be used to support the boom or to move earth.
- LED headlights on the boom ensure optimal visibility during operation in low-light conditions.

Grâce à la grande portée de 2330 mm, des travaux peuvent être effectués de manière optimale sur des talus ou des pentes.



Figure 5: The excavator demonstrating its impressive arm reach of 2330 mm, allowing for optimal work on embankments or slopes.

Pivotement de la flèche: $\pm 70^\circ$



Figure 6: Illustrates the boom's pivot range of ± 70 degrees, providing flexibility for various digging tasks.

Volume du godet: 0,011 m³
Largeur du godet: 290 mm



Figure 7: Close-up of the excavator bucket, showing its 0.011 m³ volume and 290 mm width, suitable for efficient material handling.

Grande lame de nivellement pouvant être abaissée pour stabiliser la flèche ou pour niveler le sol.



Figure 8: The large, lowerable leveling blade in action, used for stabilizing the boom or leveling the ground.

5. MAINTENANCE

Regular maintenance is crucial for the longevity and optimal performance of your Scheppach EXC815 Mini Excavator. The machine is designed for easy maintenance.

5.1 Daily Checks

- Check engine oil and hydraulic fluid levels.
- Inspect tracks for damage or excessive wear.
- Clean the machine, especially the bucket and arm, after each use.
- Check for any loose bolts, nuts, or hydraulic leaks.

5.2 Periodic Maintenance

- Refer to the detailed maintenance schedule in the full product manual for specific intervals for oil changes, filter replacements, and lubrication.
- Ensure all pivot points and grease fittings are regularly lubricated.
- Check and adjust track tension as needed.

6. TROUBLESHOOTING

This section provides basic troubleshooting steps for common issues. For more complex problems, consult a qualified technician or contact Scheppach customer support.

6.1 Engine Not Starting

- Check fuel level.
- Ensure the ignition key is fully turned.
- Verify the battery is charged (for electric start).
- Check spark plug condition.

6.2 Loss of Hydraulic Power

- Check hydraulic fluid level.
- Inspect hydraulic lines for leaks or damage.

6.3 Unusual Noises or Vibrations

- Immediately stop the machine.
- Inspect for loose components, foreign objects, or signs of mechanical failure.
- Do not resume operation until the cause is identified and rectified.

7. TECHNICAL SPECIFICATIONS

Feature	Specification
Brand	Scheppach
Model	EXC815
Engine Type	4-stroke Gasoline Engine
Engine Power	8.5 HP / 6.3 kW
Engine Displacement	306 cm³
Starting System	Electronic Start
Max Driving Speed	1.7 km/h
Track Width	690 mm
Track Type	150 mm Rubber Chains
Digging Depth (Max)	1200 mm

Feature	Specification
Arm Reach (Max)	2330 mm
Loading Height (Max)	1350 mm
Ejection Height (Max)	2100 mm
Boom Pivot Range	+/- 70°
Rotation Range	360° (9.3 rpm)
Bucket Width	290 mm
Bucket Capacity	0.011 m³
Digging Force	4.2 kN
Breakout Force	8.8 kN
Ground Contact Pressure	26.3 kPa
Climbing Capacity (Max)	15°
Operating Weight	563.5 kg
Product Dimensions (L x W x H)	221 x 69 x 158.5 cm

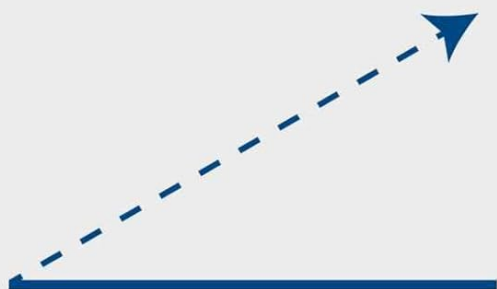
**Vitesse de déplacement
1,7 km/h**



Largeur de godet 290 mm



Accès pentes max. 15°



Largeur de voie 690 mm



Figure 9: Visual representation of key specifications including driving speed (1.7 km/h), bucket width (290 mm), maximum slope access (15°), and track width (690 mm).



EXEMPLES D'APPLICATIONS

Jardin



Chantiers de construction



Figure 10: Examples of typical applications for the Scheppach EXC815, including garden work and construction sites.

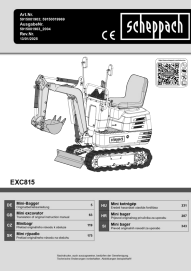


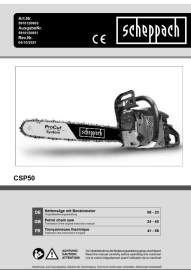

8. WARRANTY AND SUPPORT

For information regarding warranty coverage, please refer to the warranty card included with your purchase or visit the official Scheppach website.

Should you require technical assistance, spare parts, or have any questions not covered in this manual, please contact Scheppach customer support.

Scheppach Customer Service: Please refer to your purchase documentation or the official Scheppach website for contact details in your region.

Related Documents - EXC815

	<p>Scheppach EXC815 Minibagger - Bedienungsanleitung</p> <p>Umfassende Bedienungsanleitung für den Scheppach EXC815 Minibagger, inklusive Sicherheitshinweisen, technischen Daten, Wartung und Fehlerbehebung.</p>
	<p>Ръководство за експлоатация на мини багер Scheppach EXC815</p> <p>Подробно ръководство за експлоатация, безопасност и поддръжка на мини багер Scheppach EXC815, включващо инструкции и технически данни на български език.</p>
	<p>Scheppach DP5000 Raupendumper Bedienungsanleitung</p> <p>Die Bedienungsanleitung für den Scheppach DP5000 Raupendumper. Enthält Informationen zur sicheren Handhabung, Wartung und technischen Daten des Geräts.</p>
	<p>scheppach CSP50 Petrol Chain Saw - Operating Manual scheppach Kettensäge CSP50 - Bedienungsanleitung</p> <p>Comprehensive operating instructions for the scheppach CSP50 petrol chain saw, covering safety, usage, technical data, maintenance, and troubleshooting.</p>
	<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>



[Scheppach HSC130 Steintrenner Bedienungsanleitung](#)

Die Bedienungsanleitung für den Scheppach HSC130 Steintrenner bietet detaillierte Anweisungen zur sicheren Montage, Inbetriebnahme, Wartung und Fehlerbehebung dieses leistungsstarken Geräts für Haus und Garten.