

CONSTRUCTION EQUIPMENT

SUNWARD
INNOVATION LEADS TO VALUE

COMPACT EXCAVATOR
SWE 50UF

Engine Power: 29.7kW

Machine Weight: 5 480kg



GLOBAL EXPERTISE EUROPEAN SOLUTIONS

As an international success story, Sunward takes a fresh approach to the design and manufacture of construction machinery. Our global expertise, facilitated through our state-of-the-art European distribution hub, combines innovative technological solutions and pioneering engineering capabilities. The result is intelligent solutions to challenges most manufacturers choose to ignore and a desire for continual refinement and improvement.

One of the many ways to do this is by tackling value head-on. Few industries are as competitive as yours. Fluctuating economies, fuel prices, inflation, and pressures on the ground all impact your business. We design and manufacture machinery that puts value and excellence first, minimising the cost of ownership while maximising operator experience – for excellent results and productivity on-site and on your bottom line.

“

All in all, it is the excellent value for money that motivated our decision. Sunward represents a very good investment. The machines are reliable and efficient, with a 5-year warranty, for a very reasonable price.

Antun | Director | Croatia

”



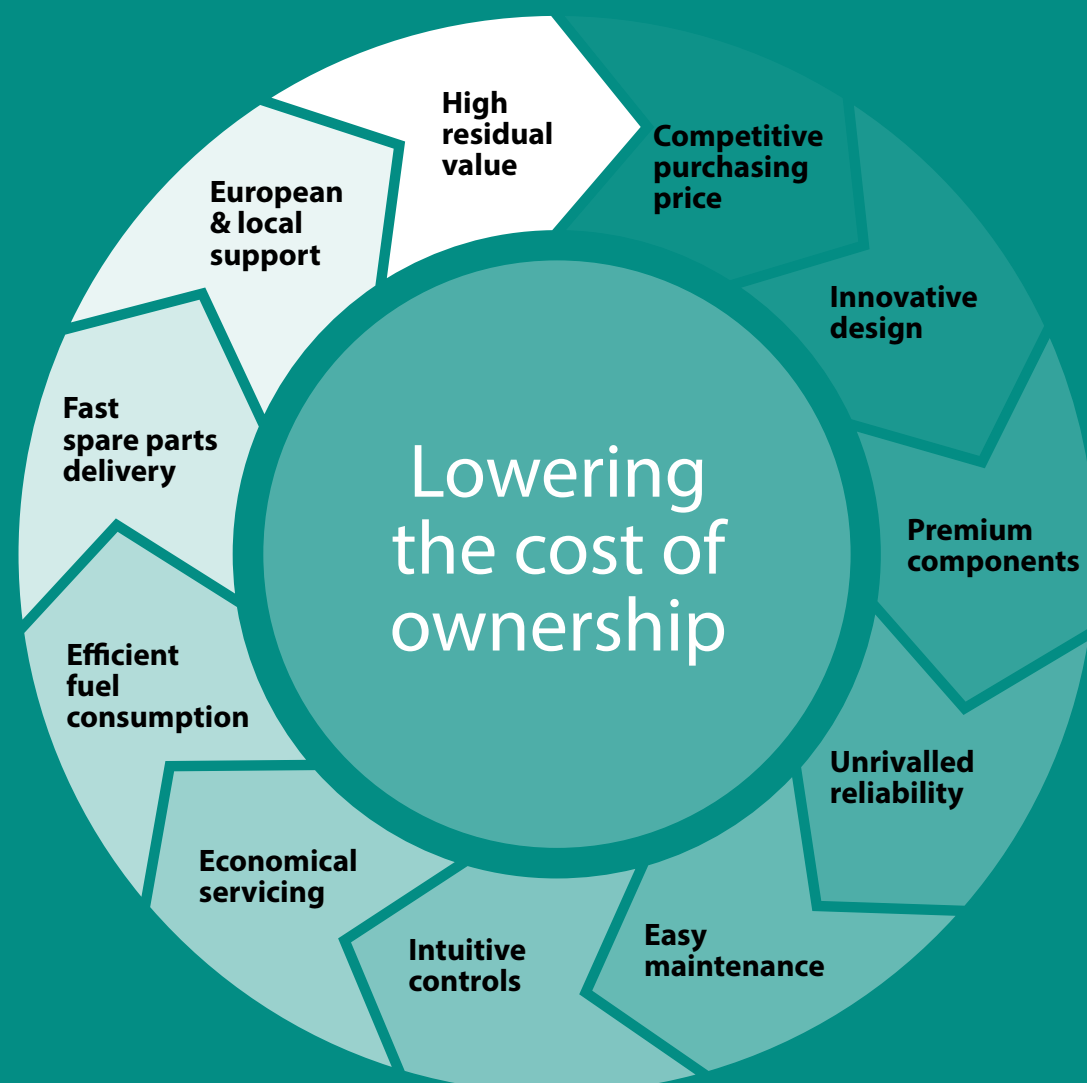
SUNWARD MACHINES – THE SMART CHOICE



SIMPLICITY LEADS TO BETTER VALUE

Sunward machines are designed for the job you need to do – no more, no less. We take an innovation-led approach to everything we do, simplifying the machines and parts through our patents, R&D and production to deliver the perfect combination of durability, user satisfaction and value.

We're driven by cost of ownership. Our experts put every aspect of owning a Sunward vehicle under the microscope. From purchase to day-to-day productivity – including maintenance, parts, servicing, repairs, fuel consumption, and the residual value – we ensure our machines have value built in as standard at every stage.



EXTENSIVE EUROPEAN SUPPORT

Sunward is respected internationally. Our Belgium hub is the epicentre of our European activity. It's where each machine is modified to your exact needs and requirements before being subjected to a rigorous pre-delivery inspection. What's more, all critical parts are held in Belgium to ensure delivery to you within 24 hours.

Throughout Europe, Sunward has built a reliable distributor network. Our dealers are at the heart of our passion for excellence and continuous improvement and because they serve your local needs, their knowledge and feedback have a major influence on our engineering and design innovations.

150+ European dealers

– Expertise and support is always on hand

European hub (Belgium)

– Technical support
– 24 hour spare parts delivery



INTRODUCING THE SWE 50UF MINI EXCAVATORS

We are proud to unveil the Sunward SWE 50UF, a 5-ton mini excavator designed specifically to meet the demands of rental fleets and cost-conscious operators. Built for versatility and reliability, the SWE 50UF excels in a range of applications, including urban construction, landscaping, and light civil engineering tasks.

With its compact design, zero-tail swing, and robust Kubota Stage V engine, the SWE 50UF combines agility and power to deliver exceptional performance in confined spaces. Its user-friendly features - such as a spacious cabin, intuitive 7-inch touchscreen controls, dual proportional joysticks, auto-idle, auto-shift travel systems, and simple maintenance - make it the ideal choice for high-turnover rental operations.

Engineered for affordability and ease of use, the SWE 50UF provides an unbeatable balance of functionality, durability, and cost-efficiency, ensuring excellent results for operators and rental companies alike.



UP TO
5 YEARS
OF WARRANTY

STANDARD FOR ALL SUNWARD EXCAVATORS

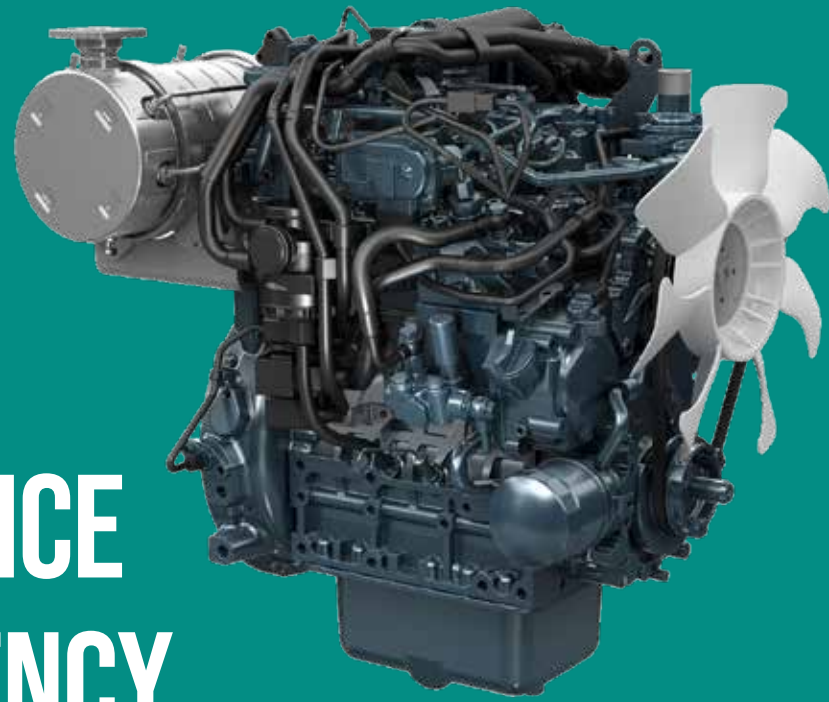
To underscore our commitment to reliability, Sunward offers up to five years of warranty, giving you peace of mind and confidence in your investment.



Up to five-year warranty
as standard



PERFORMANCE AND EFFICIENCY



The SWE 50UF mini excavator is designed to deliver consistent performance across a variety of tasks. Powered by a proven Kubota engine, supported by a robust hydraulic system and reinforced structure, this machine helps operators tackle confined urban projects and light construction jobs with efficiency and ease.

ENGINE POWER AND EFFICIENCY

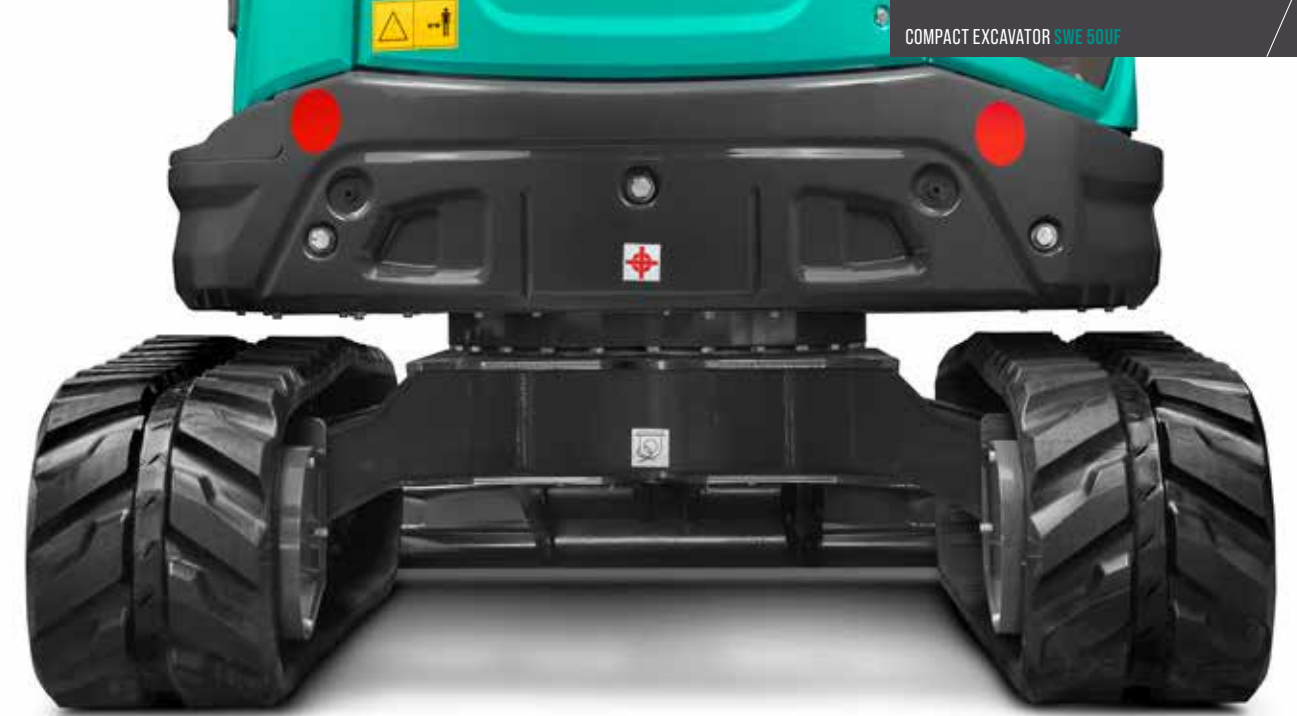
The SWE 50UF is powered by a reliable and fuel-efficient Kubota D1803-T engine, delivering 29.7 kW of power at 2 200 rpm. Fully compliant with EU Stage V emissions standards, this engine strikes an excellent balance between performance and cost-effectiveness, making it ideal for rental fleets and light applications.

- **Efficient power delivery:** Designed to provide stable and responsive performance, ensuring reliable operation in various conditions.
- **Emission compliance:** Meets strict EU Stage V standards without requiring AdBlue, reducing operating complexity.
- **Simplified maintenance:** The Kubota engine's proven durability with easy ground-level access ensures minimal downtime and straightforward servicing, enhancing operational efficiency.

HYDRAULIC SYSTEMS

The SWE 50UF features a robust and efficient hydraulic system, equipped with a variable piston pump. It delivers a maximum flow of 110 L/min, ensuring smooth and precise operation for a wide range of tasks.

- ✓ **Efficient hydraulics:** Optimised for versatile applications, the system provides consistent power without unnecessary fuel consumption.
- ✓ **Precise control:** Dual proportional joysticks (standard) allow for highly responsive operation, especially valuable in detailed or delicate manoeuvres.
- ✓ **Attachment-ready:** The SWE 50UF comes with standard auxiliary hydraulic circuits (up to 2 lines) and oil return line, supporting compatibility with buckets, breakers, augers, and more. For added flexibility, a hydraulic quick coupler circuit (3rd line) is also fitted as standard.



STRUCTURAL PERFORMANCE

Despite its compact footprint, the SWE 50UF is engineered for durability and stability in tough jobsite conditions.

- **Zero-tail swing design:** Enables confident operation in narrow or enclosed work areas, reducing the risk of impact.
- **Reinforced structure:** The robust undercarriage and X-frame chassis enhance durability, ensuring long-term reliability even in demanding rental fleet operations.
- **Compact dozer blade:** Designed for efficient grading and levelling, the SWE 50UF's dozer blade ensures smooth results even in confined spaces. The blade cylinder protection plate (standard) extends component life.



DURABILITY AND RELIABILITY

By combining a durable design, low maintenance requirements, and extended warranty options, the SWE 50UF stands out as the ideal rental fleet excavator - built to deliver day after day in high-usage environments.

ROBUST CONSTRUCTION

The SWE 50UF is purpose-built to endure the demanding conditions typical of rental fleet operations, where durability and reliability are paramount. Engineered for consistent performance and minimal downtime, it is the dependable choice for operators and rental companies alike.



- ✓ **Reinforced platform and structure:** The SWE 50UF features a heavy-duty X-frame chassis and durable undercarriage designed to withstand rugged use, ensuring stability and strength across all types of worksites.
- ✓ **Simplified design for rugged environments:** By reducing mechanical complexity, wear and tear are minimised – ideal for repeated daily use in fleet settings.
- ✓ **Blade and boom cylinder protection plate:** Safeguards key components from debris and impact, minimising repair needs.
- ✓ **Steel crawlers (optional):** Available for demanding environments that require greater track resilience.

EXTENDED SERVICE INTERVALS AND LOW MAINTENANCE COSTS

The SWE 50UF is designed to minimise maintenance needs, a critical feature to reduce total ownership costs.

- **Engine reliability:** Equipped with the proven Kubota D1803-T engine, known for its dependability and long service intervals, the SWE 50UF ensures less frequent maintenance without requiring AdBlue.
- **Wear-resistant components:** High-quality materials in critical systems, such as the hydraulic lines and undercarriage, contribute to longer service life and reduced replacement frequency.
- **Auto-lubrication system (optional):** Available for fleets that want to further extend service life and reduce manual upkeep.

WARRANTY AND PEACE OF MIND

To underline its confidence in the SWE 50UF's reliability, Sunward offers a warranty of up to five years. This comprehensive coverage provides rental companies and operators with long-term assurance, safeguarding their investment.

- **Up to five-year warranty:** The SWE 50UF offers coverage to keep your business protected, with extended options available to align with fleet requirements.
- **Support network:** Backed by Sunward's European distribution hub and a 24-hour parts supply system, downtime is minimised, ensuring the SWE 50UF remains rental-ready at all times.
- **Sunward SmartFleet (optional):** Offers geolocation, remote diagnostics, and real-time fleet monitoring via TV-DO/GPS subscription (36 months), improving uptime and maintenance planning.



SIMPLICITY AND SAFETY

Designed with a “no more, no less” philosophy, the SWE 50UF offers everything needed to get the job done efficiently and safely. Its intuitive controls, compact size, and uncompromising safety features make it an excellent choice for rental fleets and occasional users, ensuring reliable performance with minimal complexity.

USER-FRIENDLY DESIGN

The SWE 50UF is built with simplicity and practicality at its core, making it the perfect solution for operators of all experience levels.

- **Intuitive controls:** Equipped with dual proportional joysticks and a 7-inch touchscreen monitor, the SWE 50UF provides a smart and user-friendly interface. Operators can easily adjust AUX1 and AUX2 flow rates, monitor real-time I/O signals via the Machine Control Unit (MCU), and access troubleshooting tools, all from a single, centralised screen.
- **Excellent visibility:** The spacious cabin features large front, side, and overhead windows, ensuring clear all-around visibility. This design supports confident operation and enhances safety on busy or confined jobsites.
- **Compact and agile:** Thanks to its zero-tail swing and narrow footprint, the SWE 50UF excels in tight or congested spaces, particularly urban or roadside worksites.
- **Practical comfort:** The cabin includes standard features such as a shock-absorbing seat, A/C, cabin heating, and an ergonomic layout that prioritise user convenience during standard working hours, without overcomplicating the experience.



SAFETY WITHOUT COMPROMISE

Safety is a built-in priority for the SWE 50UF. The machine is fully compliant with key safety certifications and includes essential safeguards as standard.

- **Certified ROPS/FOPS cabin:** Provides robust protection against rollovers and falling objects, ensuring maximum safety in challenging conditions.
- **Hydraulic boom safety valve:** Integrated as standard to prevent sudden or uncontrolled movements during lifting and digging tasks.
- **Sealed cabin structure:** Keeps dust and debris out, maintaining a cleaner operator environment and protecting sensitive electronics and components.

VERSATILITY AND FLEXIBILITY

The SWE 50UF is built for true versatility, combining compact design, robust build quality, and smart hydraulic technology to tackle a wide range of jobs with ease. With its advanced hydraulic setup and full attachment compatibility, the SWE 50UF ensures that you're always working at peak performance, no matter what tool is on the stick.

Whether on a tight urban site, a rural utility trench, or a rental fleet rotation, it adapts seamlessly to your needs.

ATTACHMENT COMPATIBILITY

The SWE 50UF is designed to handle a wide range of attachments, giving operators the flexibility to take on different tasks with confidence and efficiency.

- ✓ **Full auxiliary hydraulic circuits (standard):** The SWE 50UF comes pre-equipped with Aux1 and Aux2 lines, a 3rd circuit for quick hitch, and oil return pipe, allowing for straightforward connection of most attachments including augers, grapples, and breakers.
- ✓ **Quick coupler readiness:** The machine can be equipped with a hydraulic quick coupler (optional) for faster, tool-free attachment changes - ideal for rental settings where efficiency is critical.
- ✓ **Attachment-focused options:** For lifting tasks, an optional bucket linkage with lifting ring is available, enhancing jobsite flexibility.

SMART ATTACHMENT CONTROL

Take full control of your hydraulic attachments with Sunward's intuitive in-cab auxiliary flow control system. Operators can now independently adjust AUX1 and AUX2 flow rates directly from the monitor, selecting the right attachment and fine-tuning flow as a percentage of pump output.

- ✓ **Flow Control Adjustment for AUX1 & AUX2 (Standard):**
 - **Adapt on the fly:** Match flow to attachment needs, from fast cycles with breakers to smooth actuation for grapples or thumbs.
 - **Protect your tools:** Eliminate pressure spikes and prevent overload by optimising flow to each attachment's hydraulic spec.



MASTER OF STABILITY

Despite its small footprint, the SWE 50UF delivers impressive stability, making it dependable for material handling, trenching, and fine grading.

- **Stable undercarriage:** The robust design provides a solid foundation, enhancing balance during excavation and material handling.
- **Durable slewing system:** Engineered for reliable operation, ensuring smooth and precise movement under load.
- **Optional counterweight:** An additional 175 kg counterweight is available for users who need added stability when operating heavier tools or working on more demanding terrain.



COMPACT POWER IN TIGHT SPACES

Designed for maximum agility, the SWE 50UF's zero-tail swing and compact structure make it perfectly suited for tight working conditions. Whether in urban environments or small-scale construction sites, it delivers reliable performance and flexibility.

- ✓ **Exceptional compact design:** The zero-tail swing ensures safe and efficient operation in tight or congested areas, reducing the risk of damage to surroundings.
- ✓ **Transport-friendly design:** Compact dimensions and lightweight configuration enable easy loading, unloading, and relocation between job sites.

EASY MAINTENANCE AND SERVICE

With its practical design, the SWE 50UF ensures that serviceability is as simple and efficient as its operation. From easy-access components to reduced maintenance needs, this mini excavator is built to keep rental fleets and occasional users productive and worry-free.

DESIGNED FOR EASY SERVICEABILITY

The SWE 50UF is engineered with simplicity and efficiency at its core, ensuring maintenance is quick and hassle-free – a critical feature for rental fleets and occasional users. By reducing service time, the SWE 50UF keeps operators focused on the job while minimising downtime.

- **Ground-level access:** All routine maintenance points are easily accessible from ground level, simplifying checks and servicing for any operator.
- **Quick daily checks:** The fully openable engine cover supports fast and efficient access to filters, hoses, and lubricants.
- **Reliable operation with less downtime:** Designed for long service intervals, the Kubota engine ensures consistent performance while minimising disruptions for maintenance.
- **Battery cut-off switch:** Included to improve electrical safety during transport, servicing, or machine storage.
- **Auto-lubrication system (optional):** Available to further extend component life and reduce manual greasing - ideal for high-use fleets.

CENTRALISED COMPONENT LAYOUT

The SWE 50UF's layout is optimised for ease of service, with all key components logically grouped for fast diagnostics and repairs.

- **Compact and organised design:** Core systems such as the hydraulic pump, filters, and fuel system are strategically placed to simplify inspections and replacements.
- **Maintenance made easy:** The included grease gun and toolbox (standard) help operators stay on top of basic servicing with minimal effort.



ADDED VALUE FEATURES? HERE'S THE SCOOP...

The SWE 50UF mini excavator is a reliable addition to the Sunward range, designed specifically for rental fleets and operators seeking practical, no-frills solutions. The SWE 50UF brings together compact design, simplicity, and durability to deliver dependable performance across diverse applications.

1. USER-FRIENDLY & SAFE OPERATOR ENVIRONMENT

The SWE 50UF cabin is built with practicality at its core. Operators benefit from a 7-inch touchscreen monitor, dual proportional joysticks, and full climate control with A/C and cabin heating – all as standard. The ergonomic layout, combined with large windows for visibility and a shock-absorbing seat, ensures intuitive control and operator confidence, even for occasional users.

2. BUILT-IN SAFETY

For added peace of mind, the cab is fully certified to ROPS/FOPS/TOPS safety standards, and the machine includes hydraulic safety valves on both boom and arm to prevent unintended movement during lifting. These features make the SWE 50UF not only easy to operate – but also safe for operators at any skill level.

3. ATTACHMENT VERSATILITY

With standard AUX1 and AUX2 hydraulic lines, adjustable via the in-cab monitor for precise flow control, plus a 3rd circuit for hydraulic quick hitch and an oil return pipe, the SWE 50UF supports a wide variety of attachments. Whether you're using buckets, mechanical or hydraulic quick couplers, augers, breakers, or grapples, this machine adapts quickly. Rental-ready options like the hydraulic quick coupler and bucket linkage with lifting ring add even more flexibility.

4. DURABLE AND COMPACT DESIGN

The SWE 50UF is built for challenging environments. A reinforced X-frame chassis, zero-tail swing, and blade and boom cylinder protection plates (standard) make it ideal for urban work and high-turnover use. For demanding terrain, steel crawlers and an optional counterweight enhance stability and durability.

5. MAINTENANCE MADE SIMPLE

Serviceability is seamless thanks to ground-level access, a fully openable engine cover and a centralised component layout. A battery cut-off switch and included grease gun and toolbox come standard, while the optional auto-lubrication system and SmartFleet remote diagnostics ensure uptime is maximised with minimal effort.



THE ‘AS STANDARD’ THAT’S FAR FROM STANDARD

The SWE 50UF comes equipped with a range of practical, user-friendly features that make it the perfect choice for rental fleets and occasional operators:

- **Dual proportional joystick controls:** Standard for intuitive, responsive operation.
- **7-inch touchscreen display:** Offers real-time hydraulic flow control (AUX1 & AUX2), live fault alerts, system diagnostics and easy troubleshooting, right at your fingertips.
- **LED work lights:** One on the boom and two front-mounted on the cab for safer operation in low-light conditions.
- **Attachment-ready:** As standard, the SWE 50UF comes fully equipped with Aux1 and Aux2 lines, with adjustable flow control, plus, a 3rd hydraulic line for quick hitch actuation and a dedicated oil return line. This setup ensures fast, efficient attachment changes and seamless operation of a wide range of tools without the need for costly add-ons.
- **Ad-Blue free:** The fuel-efficient Kubota is Stage V engine compliant and AdBlue-free, reducing complexity and environmental impact.
- **Two-speed drive with Auto-Shift function:** Enhances site mobility and cycle time efficiency.
- **Simplified maintenance:** Full-open engine cover, centralised service points, and included grease gun and toolbox support faster daily checks.
- **Certified safety features:** ROPS/FOPS/TOPS cab, hydraulic safety valves (boom & arm), and battery cut-off switch deliver safety from every angle.
- **Comfort features that matter:** Includes A/C, cabin heating, shock-absorbing seat, and an ergonomic control layout – all as standard.

With its thoughtful design and standard features, the SWE 50UF is an ideal choice for rental fleets, delivering reliable performance, minimal downtime and excellent value for money.



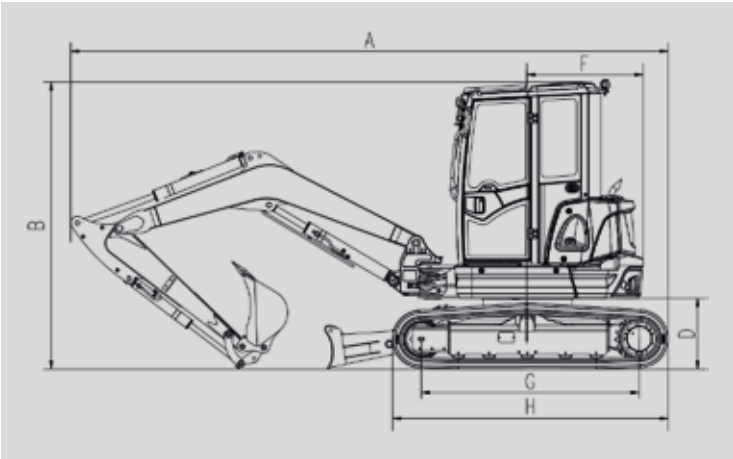
EQUIPMENT

THE STANDARD AND OPTIONAL EQUIPMENT VARIES FROM COUNTRY TO COUNTRY. FOR MORE INFORMATION, PLEASE CONTACT US.

		STANDARD EQUIPMENT	OPTIONAL EQUIPMENT			STANDARD EQUIPMENT	OPTIONAL EQUIPMENT
ENGINE	4-stroke, water-cooling, direct injection, diesel engine, that meets EU stage V requirements	•		CABIN INTERIOR	OPS: ROPS & FOPS	•	
	Air filter with clogging indicator	•			Air-conditioning & heating system (HVAC)	•	
	Multi-stage fuel filtering system with water separator	•			Dual proportional joysticks	•	
	Engine oil filtering system	•			Left and right pilot pressure control valves	•	
	Cooling unit easy for cleaning	•			Premium pneumatic seat with high back & headrest		•
	Engine and hydraulic oil, combined cooler, bar & plate type	•			Premium pneumatic seat with high back & headrest & 2 stage heating		•
HYDRAULIC SYSTEM	Load sensing system with flow sharing	•			Fire extinguisher	•	
	Boom safety valve	•			Safety hammer	•	
	Arm safety valve		•		Sunshade curtain for cabin top window	•	
	Safety valves kit (protection on boom safety valve + arm safety valve & protection + overload warning indicator alarm)		•		Cup holder	•	
	Travel motor with auto-shift function	•			Cabin interior light	•	
	Pilot pressure accumulator	•		CABIN EXTERIOR	Travel alarm	•	
	Pilot oil pressure filter	•			Windscreen wiper	•	
	Suction and hydraulic oil return filter	•			Beacon light with magnetic base	•	
	1st Auxiliary hydraulic circuit line to arm end (AUX1)	•			Left and right rear view mirror	•	
	2nd Auxiliary hydraulic circuit line to arm end (AUX2)	•			2 x LED working lights on top of the cabin, front	•	
	3rd hydraulic quick hitch line to arm end (AUX3)	•			1 x LED work light under the boom and left of the boom	•	
	Breaker return line	•		TRACKS	Rubber tracks (400 mm)	•	
	Dozer blade	•			Steel tracks		•
	Dozer-blade safety valves kit		•		Rubber pads for steel tracks		•
	Bucket link with lifting Ring		•	OTHERS	2 700 mm boom (with safety valve)	•	
	Auto idle system	•			1 550 mm arm	•	
	7-inch digital touchscreen	•			Blade & Boom cylinder protection plate	•	
	Battery cut-off switch	•			Additional counterweight (175 kg)		•
	AUX1 adjustable electronic flow control	•			Toolbox	•	
	AUX2 adjustable electronic flow control	•			Grease gun	•	

TECHNICAL PARAMETERS

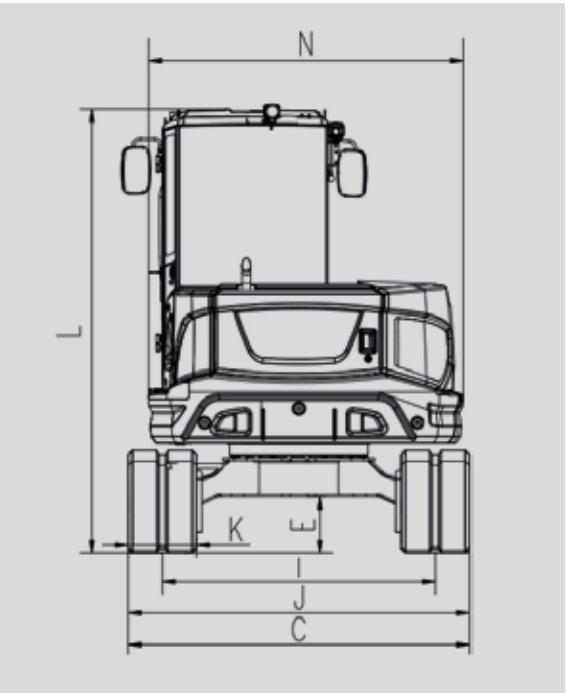
PARAMETERS AND PERFORMANCE OF THE MAIN MACHINE			
Operating mass		kg	5 480
Bucket capacity		m³	0.14
Engine	Brand		Kubota
	Model		D1803-T
	Rated power	kW/rpm	29.7/2 200
	Max. torque	N·m/rpm	150/1500
	Displacement	L	1.8
Type of primary pump			Variable plunger pump
Max. flow of primary pump		L/min	110
System pressure		Mpa	25
Swing speed		rpm	10.7
Travel speed		km/h	4.3/2.5
Bucket digging force		kN	34
Arm digging force		kN	23
Max. drawbar pull		kN	56
Gradeability		%	70
Ground pressure		kPa	31
Capacity of fuel tank		L	70
Capacity of hydraulic tank		L	70



OUTLINE DIMENSIONS

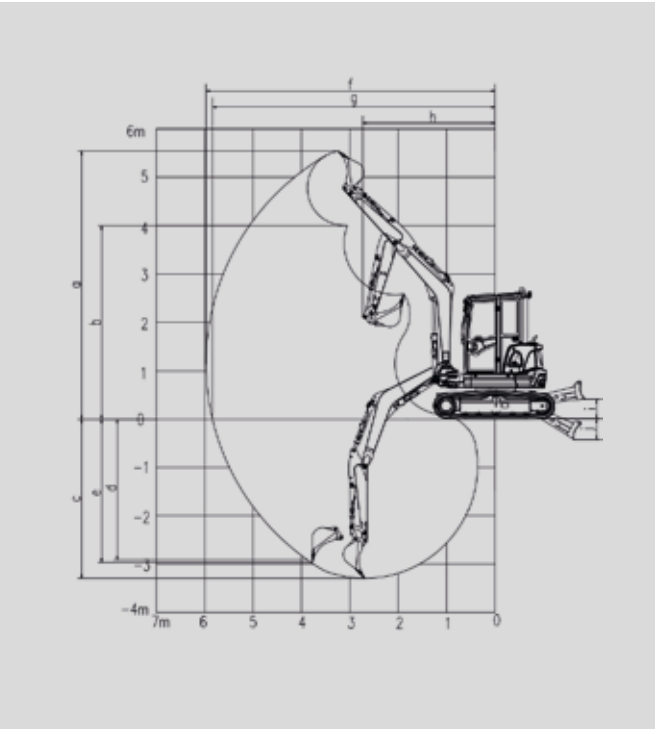
OUTLINE DIMENSIONS	A	Total length	mm	5 435
	B	Total height	mm	2 570
	C	Total width	mm	2 000
	D	Ground clearance of counterweight	mm	640
	E	Min. ground clearance	mm	330
	F	Tail swing radius	mm	1 050
	I	Track gauge	mm	1 600
	J	Track width	mm	2 000
	K	Track shoe width	mm	400
	L	Max. height of cab	mm	2 570
	N	Uppercarriage width	mm	1 845

The above parameters may be different due to product upgrading.



WORKING RANGE

WORKING RANGE		Boom length	mm	2 700
		Arm length	mm	1 550
	a	Max. digging height	mm	5 535
	b	Max. dumping height	mm	3 955
	c	Max. digging depth	mm	3 375
	d	Digging depth (2.44 m, horizontal)	mm	2 920
	e	Max. vertical digging depth	mm	2 965
	f	Max. digging reach	mm	5 940
	g	Max. ground digging reach	mm	5 845
	h	Min. front swing radius	mm	2 825
	i	Max. lift height of dozer blade	mm	400
	j	Max. digging depth of dozer blade	mm	436

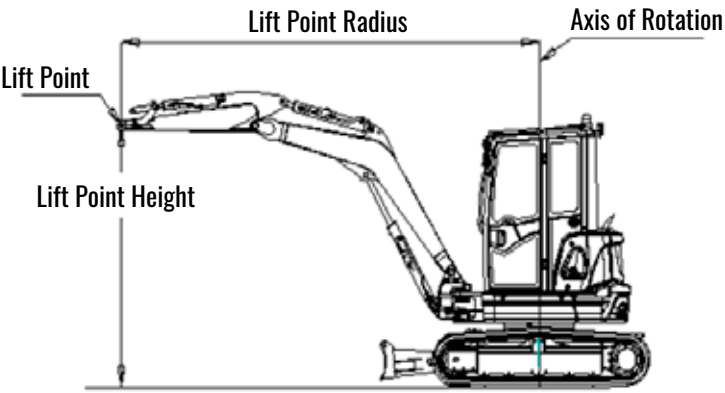


LIFTING CAPACITY

LIFT POINT HEIGHT	LIFT POINT RADIUS (MAX)			LIFT POINT RADIUS (5.0 m)			LIFT POINT RADIUS (4.0 m)			LIFT POINT RADIUS (3.0 m)		
	Over-front (kg)		Over-side (kg)	Over-front (kg)		Over-side (kg)	Over-front (kg)		Over-side (kg)	Over-front (kg)		Over-side (kg)
	Dozer blade up	Dozer blade down		Dozer blade up	Dozer blade down		Dozer blade up	Dozer blade down		Dozer blade up	Dozer blade down	
3.0 M	447	991*	615	/	/	/	604	983*	983*	/		/
2.5 M	412	1 000*	622	/	/	/	615	1 061*	1 052*	/		/
2.0 M	403	1 017*	585	390	1 021*	614	577	1 157*	868	1 065	1 557*	1 531*
1.5 M	390	1 009*	570	412	1 044*	603	652	1 305*	847	927	1 805*	1 320
1.0 M	462	1 009*	570	510	1 070*	592	639	1 354*	787	858	2 053*	1 218
0.5 M	495	1 004*	532	367	1 066*	585	607	1 470*	810	1 023	2 201*	1 200
0.0 M	382	1 009*	561	/	/	/	577	1 468*	787	810	2 164*	1 155
-0.5 M	465	1 035*	600	/	/	/	555	1 479*	795	772	2 164*	1 162

Notes:

- 1) Load with * is limited by hydraulic capacity and based on ISO 10567. Rated loads do not exceed 87% of hydraulic capacity.
- 2) Load without * is limited by tipping load and based on ISO 10567. Rated loads do not exceed 75% of tipping capacity.
- 3) The excavator bucket, hook, sling and other lifting accessories are not included in this table.





SUNWARD EUROPE HEAVY INDUSTRY N.V

✉ Havenlaan 1
B-3980 TESSENDERLO-HAM
Belgium

☎ +32 (0) 11 43 46 66
▶ info.eu@sunward.cc
🌐 www.sunward.eu

YOUR LOCAL DEALER