CONSTRUCTION EQUIPMENT

SUNWARD
INNOVATION LEADS TO VALUE

COMPACT EXCAVATOR

SWE 60UF

Engine Power: **35 kW** / Machine Weight: **6 000 kg**



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.

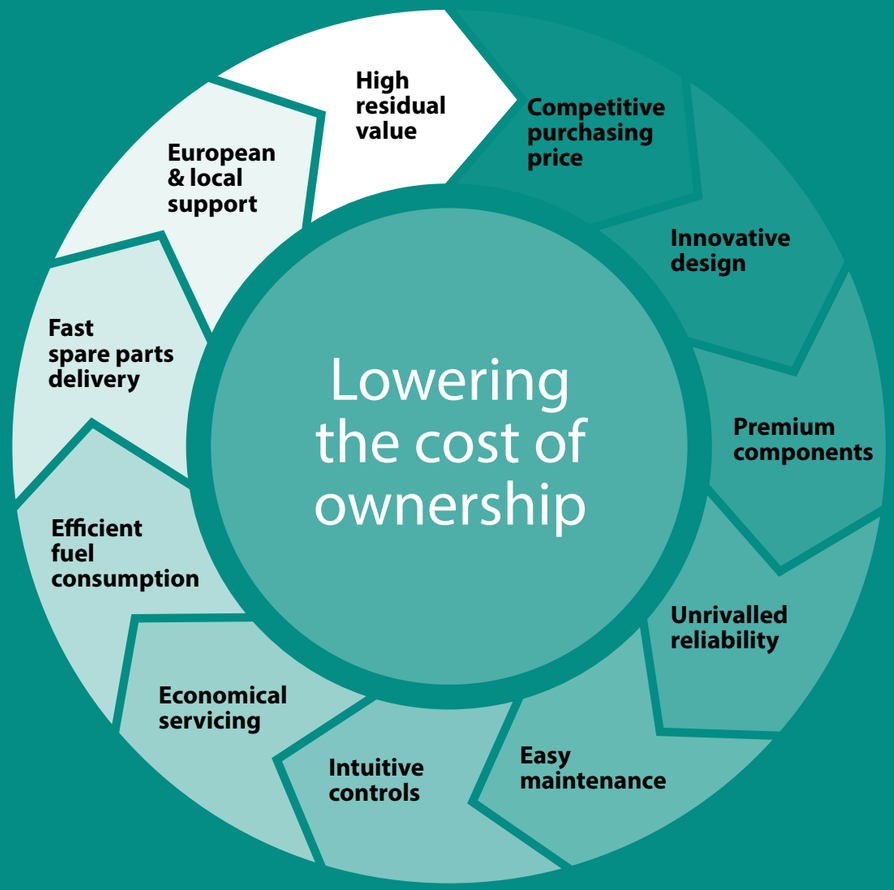
> *All in all, it is the excellent value for money that motivated our decision. Sunward represents a very good investment. The machines are reliable and efficient, with a 5-year warranty, for a very reasonable price.*
>
> **Antun | Director | Croatia**

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 and 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 60UF COMPACT EXCAVATOR



It is with immense pride that we present the latest SWE 60UF Compact Excavator, a cutting-edge machine meticulously crafted to meet the demands of the European market. This 6-ton compact excavator is purpose-built for tight urban spaces, offering unmatched performance and precision for various applications, including urban construction, civil engineering, landscaping, and road maintenance.

With its robust design and zero-tail swing capabilities, the SWE 60UF excels in confined spaces, ensuring high productivity through its EU Stage V compliant engine and advanced hydraulic system.

As a top contender in the compact excavator category, the SWE 60UF promises outstanding operational efficiency, enhanced operator comfort, and straightforward maintenance.

PERFORMANCE AND EFFICIENCY

ENGINE POWER AND EFFICIENCY

The SWE 60UF is powered by a quiet, reliable and fuel-efficient Kubota V2607-CR engine, which meets the stringent EU Stage V emissions standards. This high-performance engine provides 35 kW of power at 2200 rpm, ensuring optimal balance between power and fuel economy.

- **Self-priming engine technology:** offers enhanced fuel efficiency and stable power delivery, especially in demanding conditions.
- **Emission compliance:** fully meets EU Stage V and US Tier IV standards, ensuring reduced environmental impact.
- **Advanced DPF technology:** Kubota's advanced DPF system enables automatic regeneration even at low RPMs, allowing for continuous operation without compromising performance.

HYDRAULIC SYSTEMS

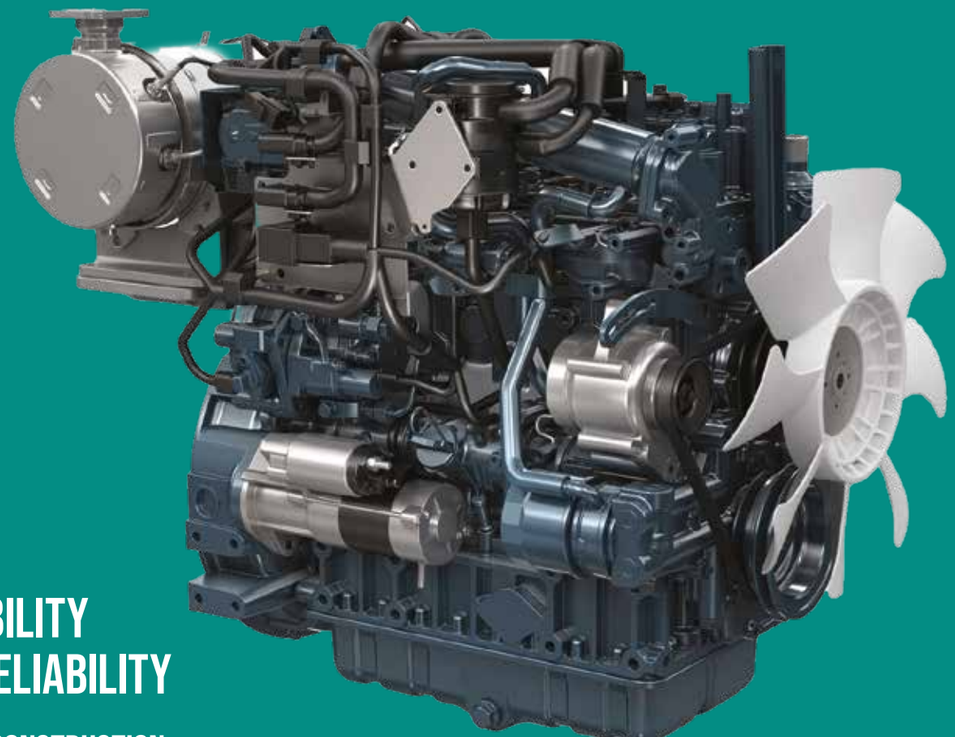
The SWE 60UF features an advanced load-sensitive hydraulic system that adjusts flow and pressure according to demand, improving precision and reducing power loss.

- **Load-sensing technology:** automatically adjusts hydraulic output to match the engine power, preventing overload and enhancing efficiency.
- **Enhanced micro-movement control:** provides exceptional control for detailed and delicate operations, making the SWE 60UF a master of precision, ideal for various applications.

STRUCTURAL PERFORMANCE

The SWE 60UF's structural enhancements improve its performance in earthmoving and land-levelling operations.

- **Extended Dozer Blade:** The dozer blade has been widened to 2000mm, matching the width of the lower structure for increased stability and better efficiency during grading and levelling tasks. This upgrade allows operators to move larger amounts of material with greater ease, ensuring smooth and accurate results even on uneven terrains.



DURABILITY AND RELIABILITY

ROBUST CONSTRUCTION

The SWE 60UF is engineered to withstand challenging work conditions, ensuring long-lasting durability and reliability.

- **High-quality reinforced platform:** with improved stability and strength, the platform ensures secure operation, even during heavy-duty tasks.
- **Optimised weight distribution:** the lower centre of gravity enhances the machine's balance and manoeuvrability, contributing to increased productivity and safety.
- **Long service intervals:** The Kubota engine allows for continuous operation without interruptions thanks to the extended service intervals, reducing maintenance frequency and minimising downtime.

UP TO 5 YEARS OF WARRANTY

STANDARD FOR ALL SUNWARD PRODUCTS

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

5 YEARS

Five-year warranty as standard

CE

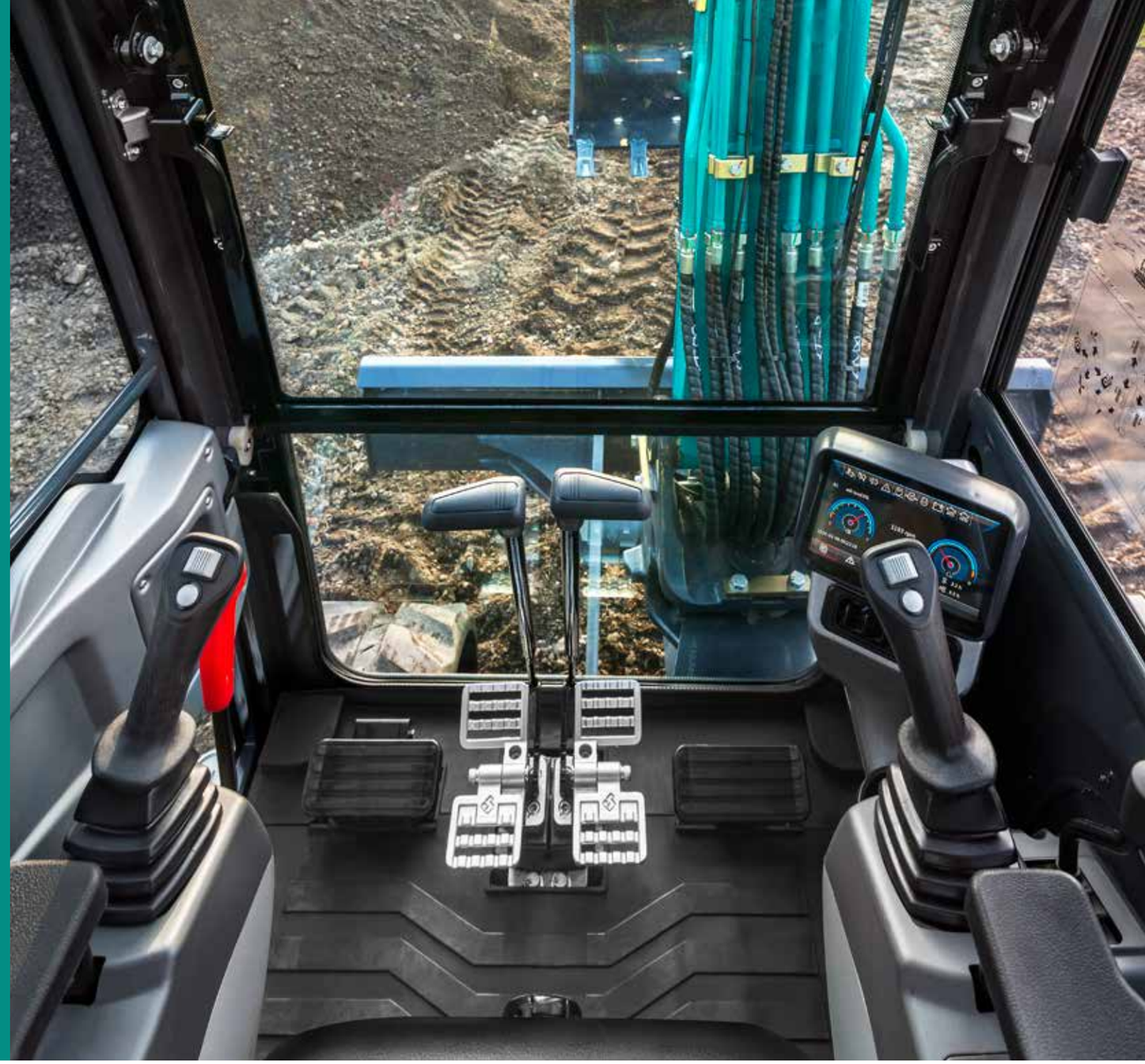


OPERATOR COMFORT AND SAFETY

ERGONOMIC CAB DESIGN

The newly developed cab of the SWE 60UF provides a spacious and comfortable environment, designed to reduce operator fatigue and improve overall efficiency.

- **Intuitive control console:** 7-inch HD touch screen and refined ergonomic layout for enhanced operational control and ease of use.
- **Enhanced visibility:** Oversized front and side windows offer a broad field of vision for safer and more precise operations.
- **Heating and cooling air conditioning:** Standard configuration with six surrounding vents for efficient temperature control in all seasons.
- **Adjustable suspension seat:** Damper stiffness adjustments accommodate different body weights, providing optimal comfort and reduced vibration.



SAFETY FEATURES

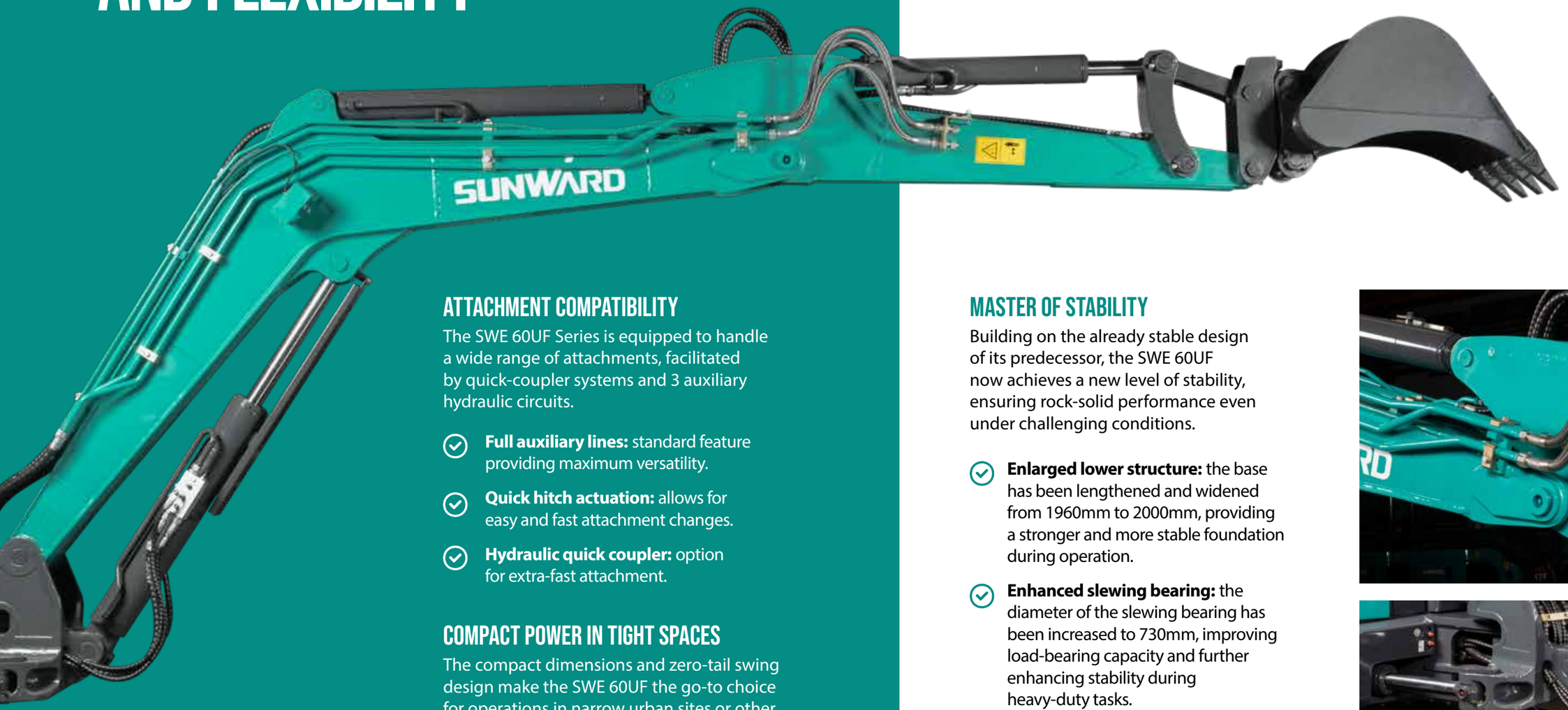
Safety is at the core of the SWE 60UF's design. Key safety features include:

- **Certified ROPS/FOPS cabin:** guarantees maximum safety for operators in the event of rollover or falling objects.
- **Improved sealing and dust prevention:** prevents dust ingress, maintaining a cleaner and healthier operator environment.
- **Safety valves:** prevent uncontrolled movements during load lifting.
- **Non-slip surfaces:** ensure safe operation in all conditions.





VERSATILITY AND FLEXIBILITY



ATTACHMENT COMPATIBILITY

The SWE 60UF Series is equipped to handle a wide range of attachments, facilitated by quick-coupler systems and 3 auxiliary hydraulic circuits.

- **Full auxiliary lines:** standard feature providing maximum versatility.
- **Quick hitch actuation:** allows for easy and fast attachment changes.
- **Hydraulic quick coupler:** option for extra-fast attachment.

COMPACT POWER IN TIGHT SPACES

The compact dimensions and zero-tail swing design make the SWE 60UF the go-to choice for operations in narrow urban sites or other restricted areas.

- **Superior manoeuvrability:** the zero-tail swing design allows for safer and more effective operation in congested spaces without compromising on performance.
- **Quick and easy transport:** compact size and transport-friendly design make the SWE 60UF easy to relocate between job sites.

MASTER OF STABILITY

Building on the already stable design of its predecessor, the SWE 60UF now achieves a new level of stability, ensuring rock-solid performance even under challenging conditions.

- **Enlarged lower structure:** the base has been lengthened and widened from 1960mm to 2000mm, providing a stronger and more stable foundation during operation.
- **Enhanced slewing bearing:** the diameter of the slewing bearing has been increased to 730mm, improving load-bearing capacity and further enhancing stability during heavy-duty tasks.
- **Reinforced chassis:** the X-shaped box chassis has been re-engineered for superior strength, contributing to improved stability and machine durability.





EASY MAINTENANCE AND SERVICE

DESIGNED FOR EASY SERVICEABILITY

The SWE 60UF has been designed with ease of maintenance in mind, providing convenient access to all key components to minimise downtime.

Ground-Level Access: simplifies routine checks and maintenance, saving time and reducing operational interruptions.

Extended service intervals: reduces maintenance frequency, ensuring that the SWE 60UF spends more time on the job and less in the workshop.

CENTRALISED COMPONENT LAYOUT

All key components are centrally located for quick and easy access, ensuring that servicing the SWE 60UF is straightforward and efficient.



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

The latest enhancements to the SWE 60UF introduce several significant upgrades to improve performance, comfort, and efficiency:

CAB INTERIOR ENHANCEMENTS

The redesigned cab offers improved ergonomics, better airflow, and enhanced comfort through an upgraded seat and armrest design.

COOLING SYSTEM UPGRADE

Integration of a fuel cooling system to maintain optimal engine performance even under high temperatures.

STRUCTURAL IMPROVEMENTS

Strengthened platform structure and improved stability for enhanced durability and safety.

MAINTENANCE SIMPLICITY

Easy-to-clean cooling fan and hinged cooling package enable faster cleaning and servicing, keeping your machine in peak condition.



THE ‘AS STANDARD’ THAT’S FAR FROM STANDARD

- **Full auxiliary lines & oil return pipe as standard**
- **Joystick control as standard**
- **Air conditioning as standard**
- **LED lights as standard**
- **Electronic adjustable throttle speed (0-100%) as standard**
- **Five-year warranty as standard (extended options available)**









- **AdBlue Free - The innovative Sunward engine design means AdBlue is not required to meet Stage V emission rating**
- **Two-speed drive with Auto-Shift function for faster movement across the job site**
- **Easy-to-clean fan and hinged cooling package for fast cleaning and servicing**
- **Zero-tail swing for easy operation in confined spaces**
- **Fine hydraulic handling so you can work in confined environments**
- **Premium components - no matter what model you’re operating, you can count on the quality**
- **Smart Fleet with enabled geolocation and remote diagnostics for swift issue resolution**
- **EU Safety Certification**

EQUIPMENT

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

		STANDARD EQUIPMENT	OPTIONAL EQUIPMENT
ENGINE	4-stroke, water-cooling, direct injection, diesel engine, that meets EU stage V requirements	•	
	Air filter with clogging indicator	•	
	Multi-stage fuel filtering system with water separator	•	
	Engine oil filtering system	•	
	Cooling unit easy for cleaning	•	
	Engine and hydraulic oil, combined cooler, bar & plate type	•	
HYDRAULIC SYSTEM	Load sensing system with flow sharing	•	
	Boom and arm safety valves (hose burst)	•	
	Auto shift travel motors	•	
	Pilot pressure accumulator	•	
	Pilot oil pressure filter	•	
	Suction and hydraulic oil return filter	•	
	1st Auxiliary hydraulic piping to the stick end (+ end caps) (AUX1)	•	
	2nd Auxiliary hydraulic piping to stick end (+ end caps) (AUX3)	•	
	Hydraulic quick hitch actuation piping/hoses to the stick end (+ end caps)	•	
	Breaker return line to the stick end (1 pipe + end cap)	•	
	Overload warning indicator alarm + protection plates for arm and boom safety valves		•
	Dozer blade	•	
	Dozer-blade safety valves		•
	Bucket link with lifting ring		•
ELECTRONIC/ ELECTRICAL CONTROL SYSTEM	Auto idle system	•	
	Central instrument panel with touchscreen	•	
	Electronic proportional control AUX1 and AUX2	•	
	Battery key	•	
	Removable Battery key	•	
	Safety lever	•	
	Radio with USB-port, operated by the touchscreen and operating interface right console	•	
	Full automatic climate control, HVAC	•	
	Electronic gas throttle dial potentiometer	•	
	Smart fleet system		•
	Automatic central lubrication		•

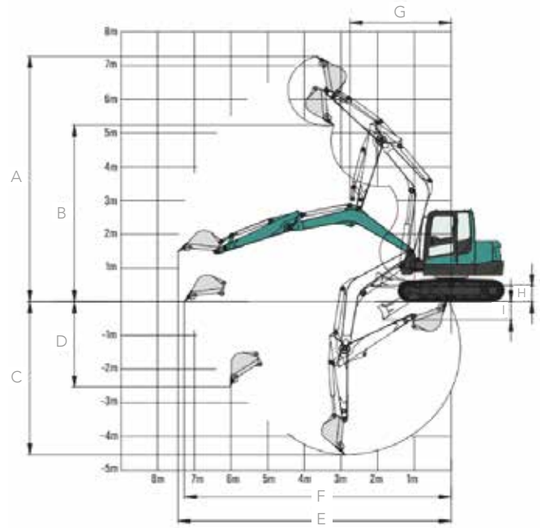
		STANDARD EQUIPMENT	OPTIONAL EQUIPMENT
CABIN INTERIORS	FOPS-TOPS cabin	•	
	Left and right pilot pressure control valves + joystick handles	•	
	Eco-leather seat with adjustable mechanical suspension	•	
	Sunward premium seat with pneumatic suspension		•
	Fire extinguisher	•	
	Safety hammer	•	
	Cup holder	•	
	Cabin interior light	•	
CABIN EXTERIORS	Travel alarm	•	
	Windscreen wiper	•	
	Rotating beacon with magnetic base	•	
	Left and right rear view mirror	•	
	2 x LED working lights on top of the cabin, front	•	
	1 x LED working light mounted on the top of the cabin, rear	•	
	2 LED working lights on left and right side of the boom	•	
MONO-BOOM	2 900 mm boom with safety valve	•	
	1 600 mm arm with safety valve	•	
	Additional counterweight		•
TRACKS	Rubber tracks	•	
	Steel tracks		•
OTHERS	Cabin front and top guards		•

TECHNICAL PARAMETERS: SWE 60UF

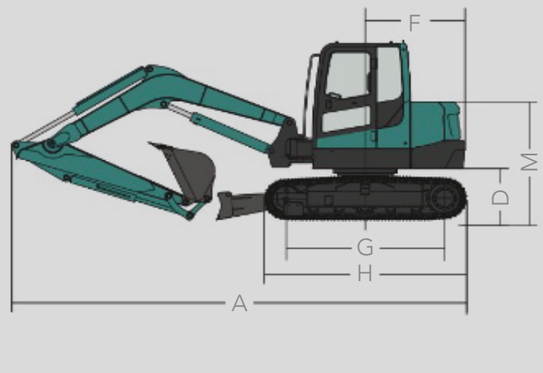
TYPE OF CAB			Cab
BUCKET CAPACITY			0.18 m^3
BUCKET WIDTH, STD.			675 mm
MACHINE WEIGHT			6 000 kg
STANDARD DIMENSIONS		Boom Length	2 900 mm
		Arm Length	1 600 mm
		Overall dimension (L × W × H)	5 680 × 2 000 × 2 570 mm
	A	Total length	5 680 mm
	B	Total height	2 570 mm
	C	Total width	2 000 mm
	D	Ground clearance of counter weight	640 mm
	E	Minimum ground clearance	330 mm
	F	Tail swing radius	1 050 mm
	G	Track length on the ground	1 985 mm
	H	Track length	2 490 mm
	I	Track gauge	1 600 mm
	J	Undercarriage width	2 000 mm
	K	Track shoe width	400 mm
	L	Cab height	2 570 mm
	M	Height of engine hood	1 560 mm
	N	Upper structure width	1 845 mm
		Max digging force (Bucket)	47 kN
		Max digging force (Arm)	31 kN
ENGINE		Brand	KUBOTA
		Emission Rating	EU Stage V
		Model	V2607-CR-E5B-SWD-1S
		Type	Vertical, water cooled, 4-cycle diesel engine
		Displacement	2.6 L
		Output	35 kW / 2 200 rpm
		Max torque	174.1 Nm @ 1500 rpm
TRACK		Type	Rubber track
		Rubber shoe width	400 mm
UNDERCARRIAGE		Track length	2 490 mm
		Traveling speed (High/Low)	4.2 / 2.2 km/h
		Gradeability	70 %
SWING SPEED			10 rpm
GROUND PRESSURE			34 kpa
HYDRAULIC PUMPS		Hydraulic pump type	1 variable piston pump
		Max displacement of hydraulic pump	158.4 L/min
		Hydraulic pressure of hydraulic pump	25 Mpa
SWING MOTOR			Piston motor
TRAVEL MOTOR			2-speed piston motor
FUEL TANK CAPACITY		Fuel tank capacity	70 L
HYDRAULIC OIL TANK CAPACITY			70 L

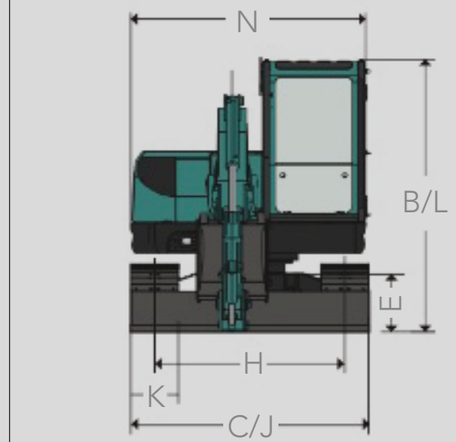
WORKING RANGE

			SWE 60UF
WORKING RANGES & BREAKOUT FORCE	A	Max. cutting height	5 600 mm
	B	Max. loading height	3 950 mm
	C	Max. digging depth	3 700 mm
	D	Max. vertical digging depth	3 050 mm
	E	Max. digging reach	6 260 mm
	F	Max. reach on ground	6 140 mm
	G	Min. front swing radius	2 560 mm
	H	Max dozer lifting height	400 mm
	I	Max dozer cutting depth	435 mm
		Max digging force (Bucket)	47 kN
		Max digging force (Arm)	31 kN
		Boom swing angle (Left/Right)	64/47 °



DIMENSIONS

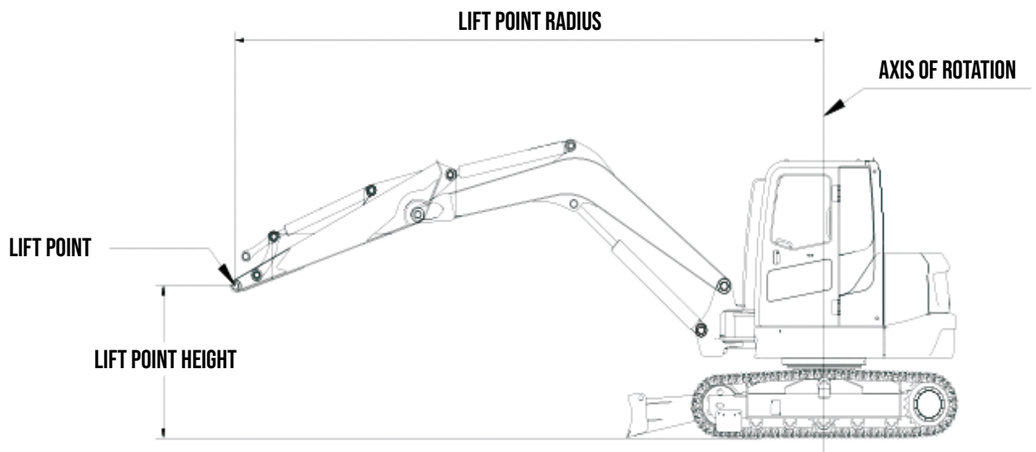




LIFTING CAPACITY

LIFTPOINT HEIGHT	LIFTPOINT RADIUS (MAX)		LIFTPOINT RADIUS (5m)		LIFTPOINT RADIUS (4m)		LIFTPOINT RADIUS (3m)	
	Over-front (Kg)	Over-side (Kg)	Over-front (Kg)	Over-side (Kg)	Over-front (Kg)	Over-side (Kg)	Over-front (Kg)	Over-side (Kg)
4m	915.0*	832.5*	-	-	-	-	-	-
3m	765.0*	675.0*	-	-	1 080.0*	937.5*	-	-
2m	705.0*	577.5*	753.8*	637.5*	1 125.0*	930.0*	1 590.0*	1 402.0*
1m	675.0*	547.5*	682.5*	607.5*	855.0*	847.5*	1 290.0*	1 290.0*
0m	622.5*	540.0*	630.0*	577.5*	907.5*	780.0*	1 350.0*	1 125.0*
-1m	682.5*	600.0*	-	-	862.5*	735.0*	1 267.5*	1 065.0*
-2m	795.0*	727.5*	-	-	855.0*	750.0*	1 140.0*	990.0*

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



SUNWARD

INNOVATION LEADS TO VALUE

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YOUR LOCAL DEALER

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