

CONSTRUCTION EQUIPMENT

SUNWARD
INNOVATION LEADS TO VALUE

MINI EXCAVATOR **SWE 35UF**

Engine Power: **18.2 kW**

Machine Weight: **3 850 kg**



OUR STANDARD FEATURES

ARE OPTIONS FOR OTHERS

Presenting the SWE 35UF

I take great pride in introducing the SWE 35UF zero-tail mini excavator, which has been specifically designed and certified for European market requirements. This 3.85t mini excavator can do it all, either in professional hands or by occasional users. The machine's modern styling visualizes its durability and efficacy and indicates how easy the machine is to transport, operate and maintain.

This top-of-the-line mini excavator offers excellent performance, comfortable and safe operation, and convenient maintenance. The SWE 35UF is the perfect size for a variety of agricultural, civil engineering, construction, or landscaping projects. Our SWE 35UF is one of the preferred machines of contractors and municipalities. At the same time, the SWE 35UF's power, efficiency, versatility and great design make it one of our best sellers in Europe.

A product of our company's innovative DNA, the SWE 35UF creates value for our customers and improves the quality of life. In just 20 years, Sunward has grown to become one of the world's top 50 construction machinery manufacturers and top 20 excavator companies. Today, our products are exported to more than 100 countries worldwide.

Thank you for sharing our pride!

Professor He

Professor He

Main features

RELIABLE, POWERFUL AND DURABLE

We never compromise on reliability. And the SWE 35UF zero-tail (3.85t) is no exception – we know it will be used by professional companies as well as rented to occasional users.

So, just like our other machines, all key components come from the world's top premium brands. From the Kubota Stage V engine to the Japanese traveling motor, all is set for reliability, durability and enhanced performance. Sunward's unique hydraulic system enhances this 3.85t machine's performance by providing the most powerful bucket break-out on the market.

VERSATILE AND OPTIMIZED

Because a +3.5t machine is essentially a multiple job site machine, it must be fit for all kinds of jobs and users' needs. The SWE 35UF has 3 separate functional lines – which means that Sunward provides the highest flexibility on the market as standard – to accommodate any working requirement and tool, including a tilt rotator.

SAFE AND COMFORTABLE

Because we know that safety and comfort should go hand-in-hand, the SWE 35UF keeps you safe and provides every comfort in all working conditions. The fully EU-certified cab features FOPS and TOS, from the reinforced undercarriage, the boom and arm reinforced frames, to the all-steel panels and cast-iron wrap around. And thanks to the full visibility provided by 4 perfectly positioned LED work lights as a standard feature, you stay safe, day and night.

EASY TO MAINTAIN AND SERVICE

All Sunward machines are designed, prototyped and then disassembled – in the spirit of reverse engineering – simply to test how easy they are to be serviced and maintained. And they are! From ground-level access to service components, to the availability of parts – maintaining the SWE 35UF zero-tail is easy and simple. So, it's no surprise that an operator only needs to try out our machines to be thoroughly convinced!

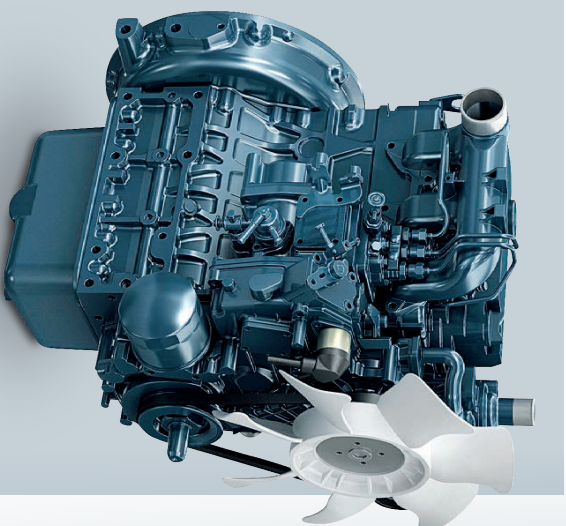


Reliable, Powerful and Durable

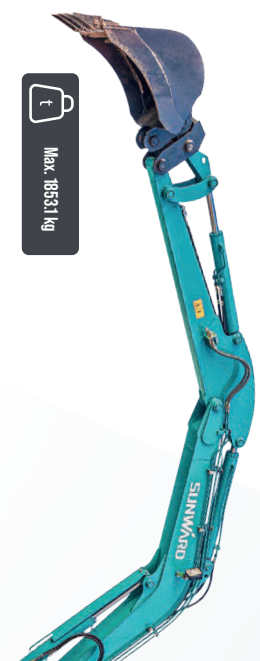
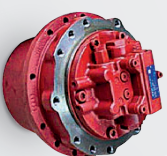
All key components are carefully selected

We chose the powerful Kubota D1703 engine for several good reasons. This engine is a vertical, water-cooled, 4-cycle diesel engine with a capacity of 18.2 kW at 2 200 rpm. Featuring a built-in solenoid, low fan position and single side serviceability, the Kubota D1703 offers powerful performance, exceptional reliability and a long service life to meet a wide range of applications. The perfect fit for our reliable and versatile SWE 35UF.

Moreover, because the hydraulics are often regarded as the heart of the machine, Sunward sources exclusively from the highest references in the market. For the SWE 35UF, we selected HENGLI to be our main supplier for the hydraulic pump, and KYB for the traveling and swing motors. All these pumps and components for construction machinery are efficient, reliable, and space-saving. So, it's no coincidence that Sunward selected them to contribute to the SWE 35UF's reliability.



KUBOTA	HENGLI	HENGLI	KYB	KYB
Stage V engine	Cartridge Valves and joystick	Main pump	Traveling motor	Swing motor

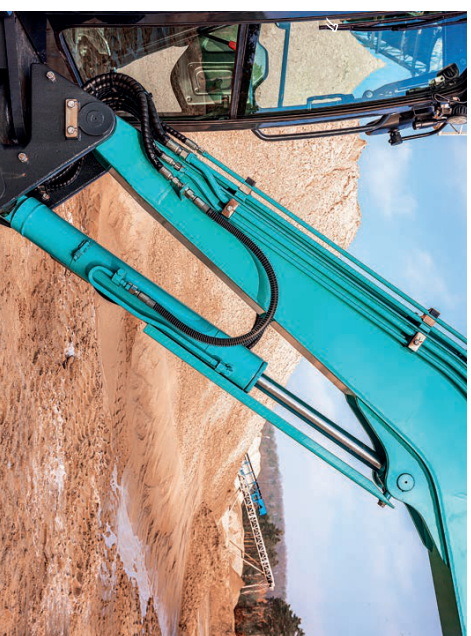


Max. 18531 kg

Max. 5 390 mm

Best digging forces and long-reach capacity on the market

The SWE 35UF has exceptional digging forces – 31.8 kN (bucket) and 22.53 kN (arm) – easily rivaling all 3.5t excavator competitors on the market. And when it comes to its long-reach capacity, the SWE 35UF's boom cylinder design provides a ground reach of over 5.2 meters (5 260 mm) and a digging reach that's over 5.3 meters (5 390 mm) long – making this mini excavator the benchmark of its range.



Protection plates for boom and dozer cylinders

When working in the field, an excavator's boom cylinders are particularly at risk of damage caused by flying stones. We've taken special care to protect the boom and dozer cylinders with covering plates, so that the operator can focus fully on his job and not worry about the machine's components. And when you rent your machine, you know, it will come back in good shape, ready for many more hours on the job.

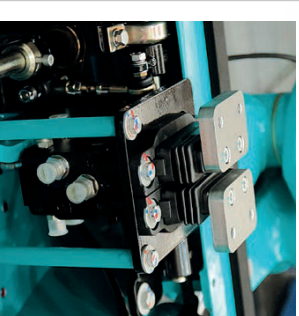
SMOOTH OPERATIONS THANKS TO

Safety valves

Safety valves prevent uncontrolled cylinder movements, especially during the load lifting work. And because reliability and performance are part of the package, the SWE 35UF is equipped with safety valves as a standard feature.

Pilot traveling control

To continually enhance precise and controlled operations, all of our mini excavators provide pilot traveling control as a standard feature.



Auto gear shifting during traveling

The SWE 35UF features auto high/low speed gear shifting for when the machine encounters an obstacle during high-speed traveling. To increase traction to get over the obstacle, the SWE 35UF shifts from high speed to low speed automatically. And then, after getting over the obstacle, the machine automatically returns to high-speed mode. This automatic gear shifting frees the operator from having to frequently flip the 2-speed switch.

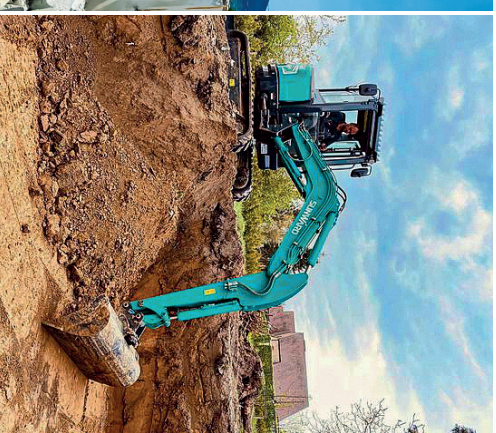
Versatile and Optimized

Engineering and design produce optimal, versatile machines

In the spirit of Sunward's motto – "Innovation Leads to Value" – all engineering and design are focused on generating optimal value for the machine's owner. So, our machines can be used in a large variety of working conditions and applications – exactly what you're looking for in a 3.85t mini excavator, especially with its zero-tail design.

Well-equipped from the outset

- This slightly over 3.5t machine has it all from the day it leaves the factory:
- Auto idle engine to save fuel and limit the engine's consumption.
 - While other manufacturers usually use a flow throttle (because it's cheaper), we at Sunward opt for a Load Sensing (hydraulic system, which provides better energy-saving possibilities.
 - Safety valves for the boom cylinder for safer operations.
 - Auto-sifting traveling motor for smooth operations and operator ease.
 - TOPS & TOPS cab.
 - Battery cut-off switch for safer operations and prolonged battery lifetime and power – which is especially appreciated in the cold weather of Scandinavian countries.
 - 4 LED work lights as standard: 2 on the front of the cab, 1 on the left side of the boom, 1 on the back of the cab.



Ready to face any situation from Day 1 on the job site

A true zero-tail machine

All kinds of jobs can be executed with the true zero-tail SWE 35UF. The machine hugs the wall to deliver a precise and optimized job.



Full auxiliary lines as standard

Thanks to the complete auxiliary settings built in as standard, the SWE 35UF zero-tail provides fully adjustable pressure and flow monitoring for all types of attachments on any job site.

This results in no less than 3 separate auxiliary lines as standard (while the market provides 1 to 2 lines as standard), which are distributed as follows:

- 1 line at the front end of the arm (AUX1), which is used primarily for the hydraulic quick-hitch
- 1 line for greater flow to fulfil the requirements of a flow-demanding attachment, such as a breaker (AUX2)
- 1 line with lesser flow as an extra line for attachments that are equipped with 2 actuators (AUX3)



Extra protection for hoses / AUX 2 lines



Safe and Comfortable

On top of their EU certification, all Sunward machines on the European market are designed to meet European customer needs. Without compromising between comfort and safety.



Safe & Comfy Cab

FOPS and TOPS cab tops are standard and among the first features to ensure a safe and comfortable job in all application environments.

The well-organized cab is clearly designed to keep operators comfortable and productive. The large entrance to the roomy cab welcomes operators of all sizes. From every where in Europe. From the suspension seat and heating, to the adjustable arm rest and the radio with USB ports, the cab's features promote efficiency. The superior visibility through the large windows, and the clear layout of the controls, add to the great ease of operation. Finally, the safety pack – including fire extinguisher, safety hammer, safety belt and standard travelling alarm – contributes to overall peace of mind.



Simple Interface

Suspension seat

Simple operation

Large windows
for full visibility and thus safe work



All-around visibility on bright and grey days

The cab's wide windows and slender frame, enhanced by mirrors on both sides, make it easy to operate with all-around awareness of the machine's environment. Plus, to keep working conditions safe in all kinds of weather, 24 hours a day, these mini excavators are equipped with 4 LED work lights as standard: 2 on the front of the cab, 1 on the left side of the boom, 1 on the back of the cab.

Extra top visibility and safety as standard

Color monitoring touch screen

The easy-to-read 5.7" color monitoring touch screen – with centralized functions and simple interface for easy operation – makes all key information readily accessible: machine status, engine rpm and temperature, fuel level, machine hours, oil indicators and charging indications.

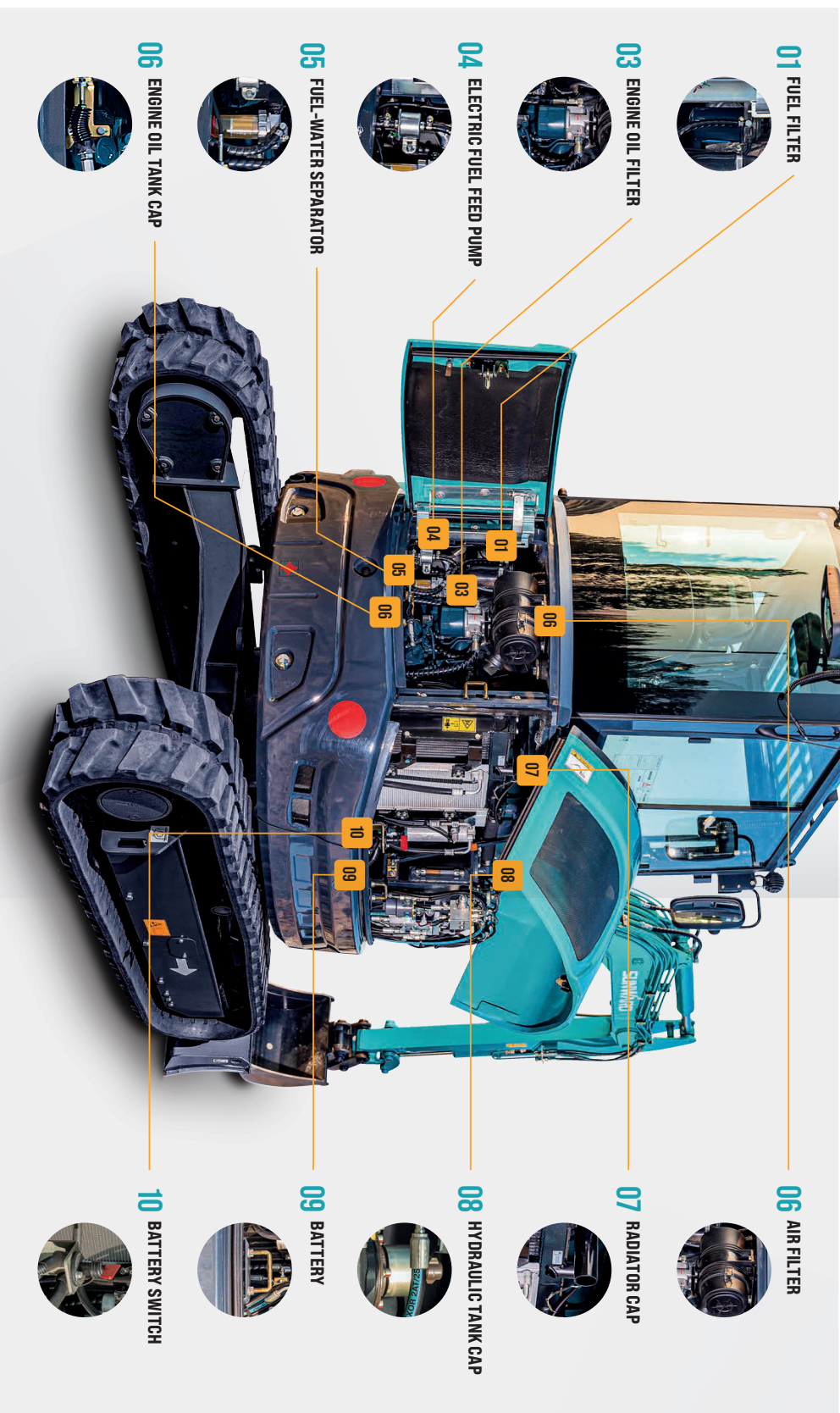


Easy to Maintain and Service

All service points are centralized and easy to access

To reduce maintenance time and cost for the SWE 35UF, the covers at the rear and on the side provide direct access to the service points. The standard service points – for fuel, oil and air filters – are directly accessed via the cover at the rear.

So with very easy access to the fuel tank and centralized grease fittings, these mini excavators are as easy to maintain as they are to operate.



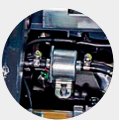
01 FUEL FILTER



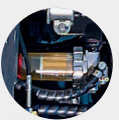
03 ENGINE OIL FILTER



04 ELECTRIC FUEL FEED PUMP



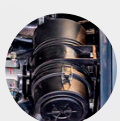
05 FUEL-WATER SEPARATOR



06 ENGINE OIL TANK CAP



06 AIR FILTER



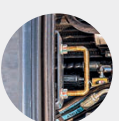
07 RADIATOR CAP



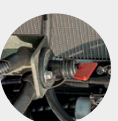
08 HYDRAULIC TANK CAP



09 BATTERY



10 BATTERY SWITCH



Did you know?



Operators and maintenance teams can enjoy a machine that has been designed, prototyped and then disassembled – in the spirit of **reverse engineering** – to facilitate all service and maintenance operations.

Best Value for Money from A to Z

The expert design of the SWE 35UF includes a well-thought-out selection of components that streamline operation and maintenance. Our design choices result in machines that provide so many standard features, premium-brand key components, and capabilities at a good price. Furthermore, Sunward's own genuine spare parts are economical as well. And all this best value for money is offered with flexible, low-rate finance packages and crowned by a 3-year standard manufacturer's warranty.

UP TO 3 YEARS OF WARRANTY
STANDARD FOR ALL SUNWARD PRODUCTS



Direct Support within Europe

Sunward's European headquarters are strategically located in Tesselenderlo, Belgium, in the heart of Europe: 45 minutes from Brussels International Airport and 60 minutes from the port of Antwerp.



Readily available machines & parts

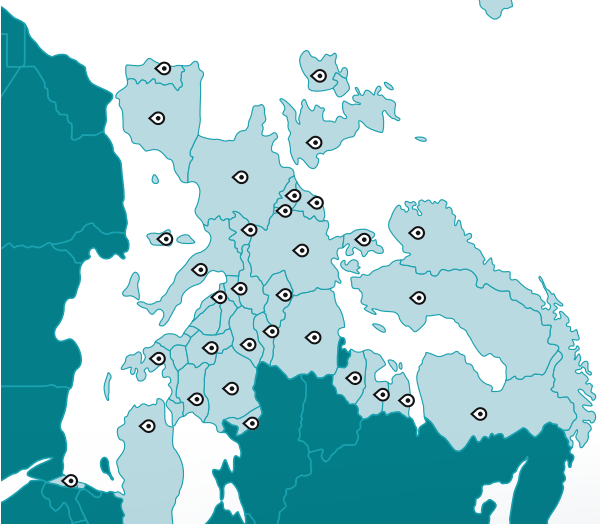
From its Tesselenderlo headquarters, Sunward Europe can ensure rapid delivery of machines and spare parts everywhere in Europe. Machines can be delivered within a few weeks from local dealers, and Sunward machine operator's benefit from quick and easy access to the large Dealers' Parts Warehouse (DPW) distribution center in Tesselenderlo. Sunward Europe guarantees an availability rate of 95% for its spare parts.



PARTS CAN BE DELIVERED WITHIN 24 HOURS

Dealers all over Europe, UK and Middle East

Dealers are at the heart of Sunward's passion for continuous improvement. Our dealers' knowledge is a real asset – and because they serve local market needs, their feedback enhances our engineering and design innovations. Sunward's innovations create value – for machine operators and, ultimately, for our dealers.



EQUIPMENT

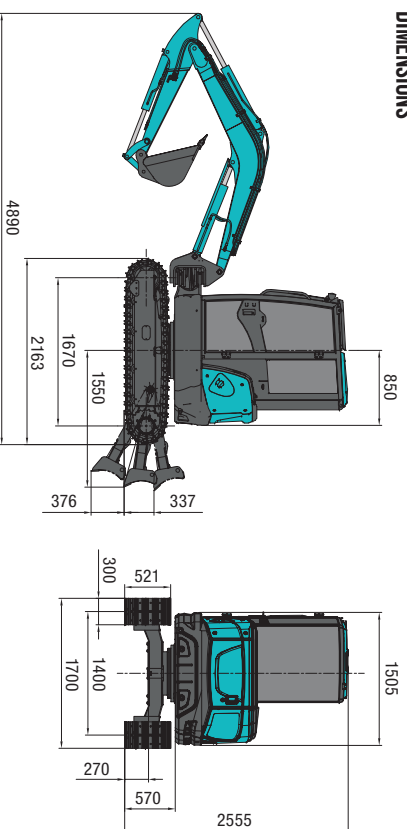
The standard and optional equipment varies from country to country. For more information, please contact us.

	STANDARD EQUIPMENT	OPTIONAL EQUIPMENT
CAB	Digital touchscreen monitor	•
	AM/FM radio with USB port	•
	Cup holder	•
	Seat with shock absorber	•
	Air conditioning	•
	Engine safety start system	•
	Safety belt	•
	TPMS /FPS cab or canopy	•
	Windscreen washer and wiper	•
	Left & right rear view mirrors	•
FRONT WORKING DEVICES	Cigar ete lighter	•
	Keypad anti-theft system	•
	Right proportional joystick	•
	Dual proportional joystick	•
	300 mm bucket	•
	520 mm bucket	•
	1200 mm bucket	•
	1560 mm arm	•
	Breaker	•
	Boom cylinder protection plate	•
TRACKS	Blade protection plate	•
	Kit safety valve (protections + arm + overload box + ring on bucket link)	•
	Boom safety valve	•
	Kit safety valve Blade	•
	300 mm rubber track	•
	300 mm steel track	•
	Oil filter	•
	Fuel filter	•
	Fuel-water separator	•
	Air filter	•
ENGINE	Radiator	•
	Alternator	•
	Battery cut-off switch	•
	Engine Auto idle system	•
	Coolant expansion tank	•
	Electronic fuel pump	•
	Muffler	•
	Hydraulic pilot control	•
	Parking-upon-swing brake	•
	Parking-upon-traveling brake	•
HYDRAULIC SYSTEM	Dual-speed traveling system	•
	Auto-shift travel system	•
	1st Auxiliary hydraulic breaker circuit line team end (2 pipes)	•
	2nd Auxiliary hydraulic circuit line to arm end (2 pipes)	•
	3rd hydraulic quick hitch line team end (2 pipes)	•
	Oil return pipe (1 pipe)	•
	Auto-lubrication system	•
	Hydraulic oil line Safety kit (only available with all hydraulic DH)	•
	1 Boom LED working light	•
	2 Front cab LED working lights	•
LIGHTS	Beacon light with magnetic base	•
	Warning beacon light for canopy version	•
	Rear LED working light	•
	Additional counter weight	•
OTHER	Smart fleet system	•

TECHNICAL PARAMETERS

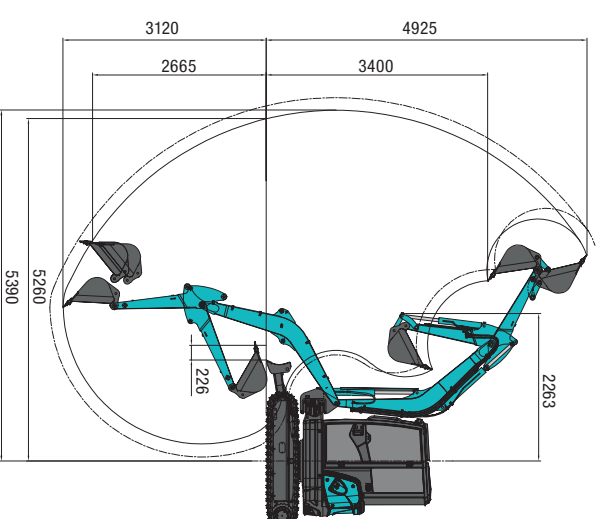
TYPE OF CAB	Cab/canopy	
BUCKET CAPACITY	0.11 m ³	
BUCKET WIDTH, STD.	620 mm	
MACHINE WEIGHT	3 750 - 3 850 kg	
DIMENSIONS	Overall dimension (L × W × H)	4 890 × 1 700 × 2 555 mm
	Ground clearance	270 mm
	Brand	KUBOTA
ENGINE	Model	D1708-F48-SWD-1
	Emission rating	EU Stage V
	Displacement	1.647 L
TRACK	Output	18.2/200 kW/rpm
	Type	Rubber crawler
UNDERBARRIAGE	Rubber shoe width	300 mm
	Track length	2 163 mm
	Length to center of rollers	1 671 mm
	Length to center of track	1 400 mm
	Traveling speed (High/Low)	4.2/2.3 km/h
SWING SPEED	Gradability	30 deg
		9.5 rpm
GROUND PRESSURE		32.3 kPa
	Width	1 700 mm
DOZER SIZE	Height	385 mm
	Lifting capacity (Height/Depth)	337/376 mm
HYDRAULIC PUMPS	Type	1 variable piston pump
	Flow rate	88 l/min
SWING MOTOR	Hydraulic pressure	24.5 MPa
		Piston motor
TRAVEL MOTOR		2-speed piston motor
FUEL TANK CAPACITY		40 L
HYDRAULIC OIL TANK CAPACITY		41 L

DIMENSIONS



WORKING RANGE

WORKING RANGES	Max cutting height	4 925 mm
	Max loading height	3 400 mm
	Max digging depth	3 120 mm
	Max reach on the ground	5 260 mm
	Max digging reach	5 390 mm
	Max swing angle (Left/Right)	72/44°
	Front swing radius	2 295 mm
	Rear swing radius	840 mm
	Max digging force (kN)	22.53 kN
	Max digging force (bucket)	31.9 kN



LIFTING CAPACITY

Lift Point Height (m)	Lift Point radius (MAX)		Lift Point radius (4.0 m)		Lift Point radius (5.5 m)		Lift Point radius (6.0 m)		Lift Point radius (6.5 m)		Lift Point radius (7.0 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)	Over-front (kg)	Over-side (kg)	Over-front (kg)	Over-side (kg)
4.0	-	-	-	-	-	-	-	-	-	-	-	-
3.0	60/3*	38/2.5	-	-	-	-	-	-	-	-	-	-
2.0	7/4.3*	2/2.5	81/8*	38/2.5	87/8.7*	47/5	101/7.9*	6/4.5/0	12/6.7*	8/4.5	-	-
1.0	80/31*	28/2.5	9/5*	3/3.5	10/7.8*	4/2.5	13/5.2*	5/5.0	18/3.1*	7/5.5	-	-
0	-	-	-	-	-	-	-	-	-	-	-	-

Notes:

- Load with * is limited by hydraulic capacity and based on S010567. Rated loads do not exceed 87% of hydraulic capacity.
- Load without * is limited by tipping load and based on S010567. Rated loads do not exceed 75% of tipping capacity.
- The excavator bucket, hook, sling and other lifting accessories are not included in this table.

