Standard Configurations

Engine

- Turbocharging, 4-stroke, water-cooling, direct injection, diesel engine
- Air filter with indicator
- Emergency engine shutdown device
- Multi-stage fuel filtering system
- Oil filtering system
- Automatic detection system for engine
- Cooling unit easy for cleaning

Hydraulic system

- Auto-sensing hydraulic system
- Combined flow system; boom first, arm first, and rotary arm first
- Boom and arm regeneration valve
- Boom and arm holding valve
- Swing shutdown cushion valve
- Multi-stage filtering system
- Auxiliary hydraulic valve
- Automatic two-speed travel motor

Electronic/electrical control system

- ELAC system
- Advanced mode control system
- Self-diagnosable system
- Engine speed sensor-based power control system
- Automatic idling system
- Safe shutdown/startup function
- Adjustable LCD color monitor
- Main electrical disconnector
- Restarting-prevention circuit for engine
- High-performance LED light
- Battery (2×12V/210Ah)
- Starting motor (28V/6.6kW)

Cab and internal devices

- Silicone oil rubber mounting base with spring
- Full-automatic air conditioner
- Radio (equipped with MP3 player and USB interface)
- Hydraulic safety locking lever
- All-weather soundproof cab internally installed with
- Windscreen wiper
- Left and right control levers and control handles
- Openable top window, front wall upper window and left window
- Multi-directional adjustable seat
- Rearview mirror
- Fire extinguisher
- Cigar lighter
- Safety hammer
- Sun visor
- Cup holder

Warning system

- GPS

Maintenance tools

- Three-section tool kit
- SATA heavy manual grease gun
- Extra-value tool kit

Optional Configurations

Optional bucket

- 1.0/1.1 m^3 rock bucket (215E)
- 1.0/1.1 m^3 rock bucket (235E-3)

Optional arm

- 2.6m arm (215E)
- 2.6m arm (235E-3)

Optional track

- 700/800 mm

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SWE EN 2019

A New Gengeration **Earthwork Expert**

SUNWARD
Securities' Code: 002097

Tough appearance and energy-saving core

SWE155E−3

Total operating weight	14.6t~15.0t
Engine power	93kW/2200rpm
Bucket capacity	0.5~0.65m^3

SWE215E

Total operating weight	21.3t~21.6t
Engine power	124kW/2050rpm
Bucket capacity	0.8 1.1m^3

SWE235E−3

Total operating weight	22.6t~22.9t
Engine power	140kW/2050rpm
Bucket capacity	0.8 1.2m^3

SWE155E-3/215E/235E-3

The energy-efficient, safe and reliable track hydraulic excavator with several years of technological accumulation and self-innovated adaptive matching technology of Sunward sells well since it was launched. The equipment is also exported to Europe, southeast Asia, the Middle East, Russia and other markets. The product is favored by its owner and operator for short payoff period and comfortable driving experience.

Key patents for invention

- ZL201710343343.1
- ZL201510885032.9
- ZL201410782507.7
- ZL201510966752.8
- ZL201510966546.7
- ZL201410782223.8
- ZL201210220469.7
- ZL201310456518.1

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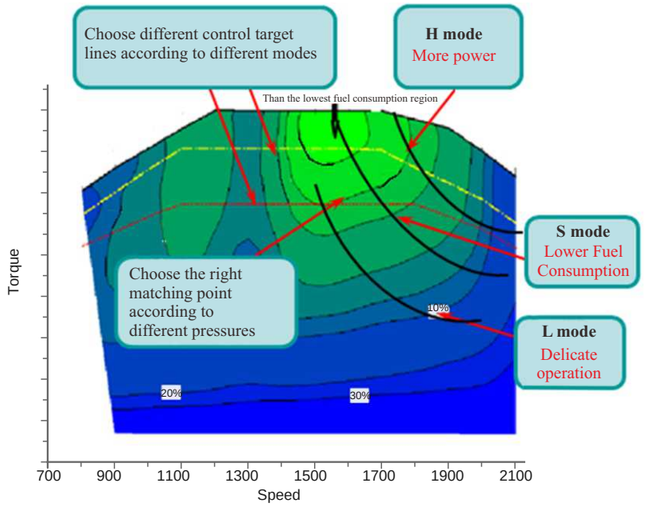
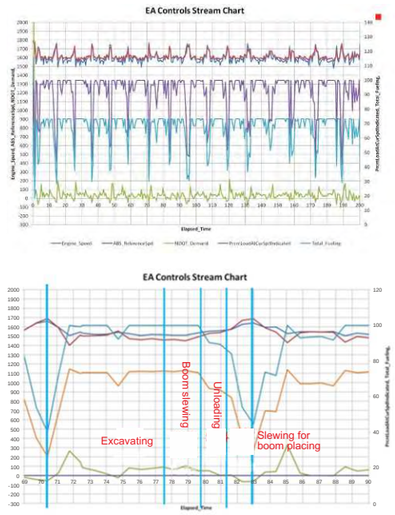
CORE TECHNOLOGY OF HYDRAULIC EXCAVATOR

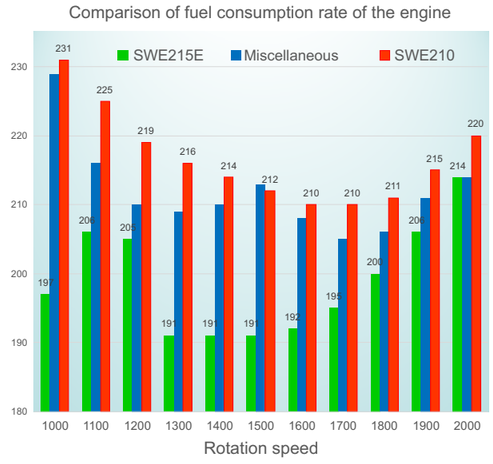
Matching technology with proprietary intellectual property rights

A sudden load tracking control strategy is introduced in an innovative manner. Control of hydraulic pump power is made available through the control of the electromagnetic proportional valve, and alternate control and subdivision control of constant power and variable power are available by adjustment of the fuel-injection quantity, rotating speed, load rate and loading characteristic of the engine, enabling the engine to have the optimal power performance and economic efficiency.





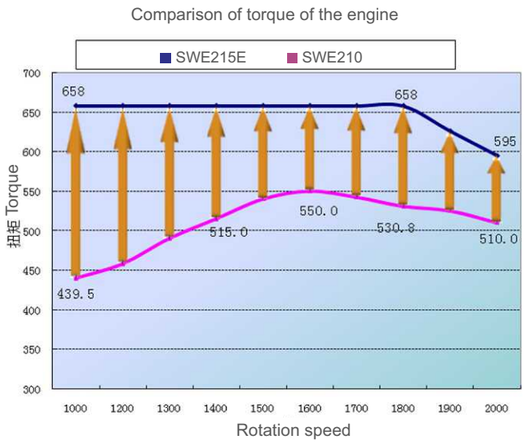
Energy saving priority



According to the special working condition of excavator, supercharger, fuel injector, piston (optimized combustion chamber) and fuel pulse spectrum are re-matched and optimized to reduce fuel consumption of the engine greatly.

Torque increase

Since QSB7 is of large displacement and four-valve/full electronic control/high pressure common rail fuel system is adopted, the torque is greater than that of the engine of competitors. In this way, strong power can be provided for the excavator, allowing it to have quick response and sufficient power reserve.



Safety first

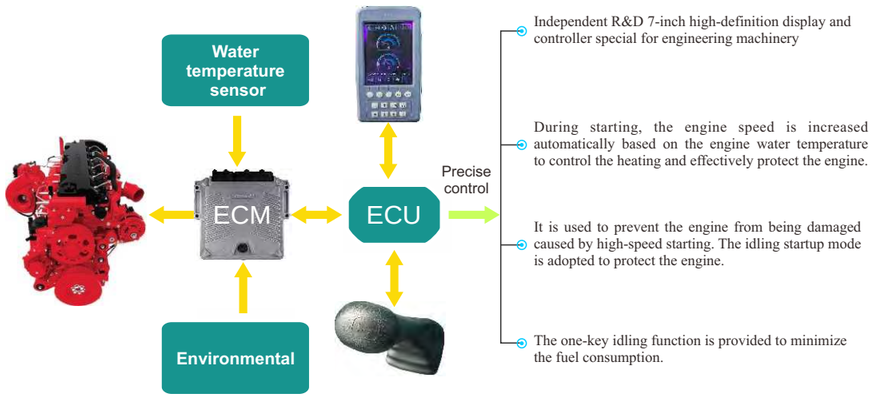
- Water temperature monitoring: alarm/power reduction/ speed reduction/stop.
- Oil pressure/oil level monitoring: alarm/power reduction/ speed reduction/stop.
- Inlet temperature monitoring: alarm/power reduction.
- Engine speed monitoring: alarm/oil cut-off and stop.
- Water in fuel oil: alarm/power reduction/stop.
- Altitude: Automatic adjustment of power.
- Starting motor protection: Prevention against reversing drag/long starting time.
- Cold start: Automatic heating/power limit/speed limit.

STRONGER CONFIGURATION AND HIGHER ECONOMIC EFFICIENCY

Customized engine

- The engine of international famous brand and special for excavator is adopted.
- It meets both Tier 3 and China III Emission Standard.
- Its power reserve is large, its power is strong, and it is reliable and durable.
- The market holdings are large and the after-sales service network stations are dense.

Independent Innovation Control System



Independent R&D 7-inch high-definition display and controller special for engineering machinery

During starting, the engine speed is increased automatically based on the engine water temperature to control the heating and effectively protect the engine.

It is used to prevent the engine from being damaged caused by high-speed starting. The idling startup mode is adopted to protect the engine.

The one-key idling function is provided to minimize the fuel consumption.

Large-displacement Main Pump

A high-efficiency and large-displacement main pump imported with original packaging is adopted, so displacement is significantly increased. On the premise of ensuring heavy-load working capacity, medium/light-load efficiency has been improved greatly. Overall operating speed and efficiency are better.

Large-discharge Main Valve

The large-discharge main valve, featuring less pressure loss, energy consumption and heat generation, has a higher working speed, efficiency and discharge capacity. After the professional and meticulous adjustment, its overall operability becomes better.

Large-displacement motor

A high-efficiency motor with large displacement and torque is adopted and of functions such as self-locking, anti-reversal and automatic oil compensating, as well as of double protection i.e. hydraulic brake and mechanical brake.

Large-torque Travel Motor

A large-torque travel motor with two-gear transmission is adopted, so travel driving capability is increased significantly and the adaptability is better.

STRONGER CONFIGURATION AND HIGHER ECONOMIC EFFICIENCY

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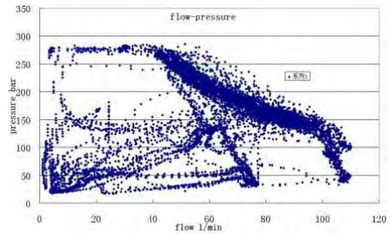
ELAC Load Adaptation Control Technology



The ELAC load adaptation control technology, which belongs to the independent R&D technology, is adopted for dynamic coordinated control of engine and hydraulic pump. This technology ensures the economic efficiency of engine fuel and significantly increases the power utilization ratio of hydraulic system. As a result, the excavation work becomes more efficient with less fuel.

Large-displacement Main Pump

Large-displacement main pump: The imported and high-efficiency plunger pump with large displacement makes the displacement increase by **7%**, power by **4%** and volume efficiency by **6%**. Therefore, energy efficiency of the whole vehicle is higher.

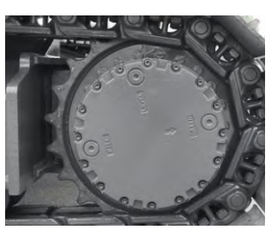
Large-discharge Main Valve

Large-discharge main valve: large-discharge hydraulic pressure Multi-way valve can achieve energy regeneration and have faster speed and lower energy consumption during the process of bucket rod excavating and swing arm lifting. The unnecessary pressure loss can be reduced by reduction of the piping design of frictional resistance, so as to lower oil consumption.

Large-displacement motor

A high-efficiency motor with large displacement and torque is adopted, enabling rotary torque of the machine to increase by **12%**. The rotating speed is quicker. Such a motor can ensure the efficiency of the excavator under severe working conditions.

Large-torque Travel Motor



Each track is driven by an automatic two-speed switching travel motor. The multi-disc track brake is provided with springs and hydraulic brake. The maximum traveling speed: **5.2km/h**.

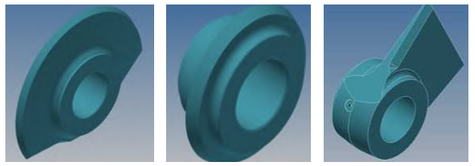
HIGHER RELIABILITY AND DURABILITY

Boom and Arm

The swing arm and bucket rod are designed with the reliability standard of 20000h and a large box structure is adopted. As for key parts, the thickness of the sheet material is increased, and multiple rounds of CAE dynamic stress optimization designs, stress and fatigue tests are adopted for structural members. A study is made on the low-temperature fatigue of welds and sheet materials. The structural member welds are subject to 100% UT+MT and partial RT. In addition, a special stress relief process is adopted so that both strength and durability of structural members are increased significantly, thus ensuring the product is reliable in an ultralong time under the extremely adverse conditions.

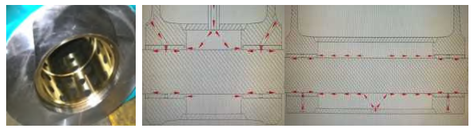
Four wheels and one track

- HDLC reinforced chassis, improving the stability of both working and traveling and the durability of lower vehicle body.
- Sealed track chain with grease lubrication is provided and features long service life and no maintenance.
- The truck frame is designed with double bevels to prevent accumulation of foreign matters.



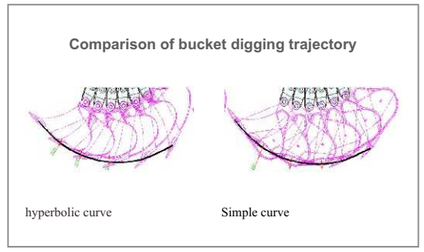
Forged Supporting Members

All supporting members are of the high-strength, high-ductility and structural steel die forge pieces, to improve the stress distribution and increase the reliability.



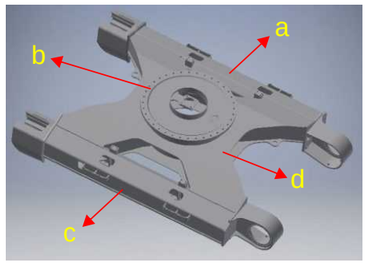
The multi-point lubrication scheme is adopted. High-strength self-lubricating copper-based bearings are used for the key hinge bearing points. As a result, the lubricating effect is increased; meanwhile, both abrasive resistance and corrosion resistance are good.

“Hyperbolic Curve”, Super Wear-Resistant, and New Style Bucket



The excavation resistance is reduced significantly. The fluency is increased significantly. The overall fuel consumption is lower while the efficiency is higher. Both bucket bottom and side are made of high-strength wear-resistant steels of famous brands, so that they are suitable for a highly abrasive environment.

Reinforced X chassis



a. Reinforced X chassis with excellent resistance to distortion.

b. A one-piece ring forge piece is used as the slewing bearing ring, to reduce the welding frequency, thus significantly improving the durability.

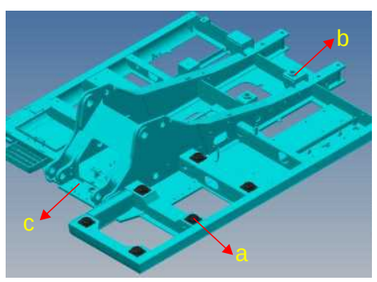
c. The cross-section area of track beam is increased and the bottom plate is thickened, to improve the overall strength.

d. Both the cross-section area of X-shaped frame and the plate thickness are increased to improve the overall strength.

Reinforced counterweight support and bottom sealing plate

A more reliable counterweight support and solid baseplate are adopted. The raceway diameter of slewing bearing is increased, improving the performance by 4%.

Solid main platform



a. 6-point shock absorption support provides excellent vibration isolation effect and higher reliability.
b. The thickness and stiffness of the installation baseboard of the engine have been increased.
c. he front platform plate is thicker than benchmarking products in the industry and its strength has been completely proven by the market.

MORE CONFORMABLE AND BETTER MAINTAINABILITY

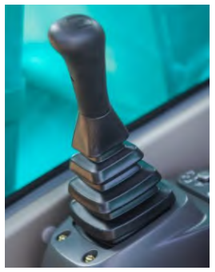
Wide and Comfortable Cab

- High-strength and anti-rolling cab: in conformity with FOPS and ROPS standards.
- Seat with a safety belt and 6 adjusting positions: more comfortable and safer operations.
- Full-automatic air conditioner: It works automatically based on the indoor temperature. With multiple large-diameter vents, the cooling and heating effects are better.
- Automatic protection system for engine startup/shutdown: It reduces the abrasion and significantly prolongs the service life of engine.

Safer Cab

A full grid guard is provided for the top of cab whilst a semi grid guard for the lower part of cab (standard configuration). As a result, both mining construction and breaking operation become safer and more reliable.

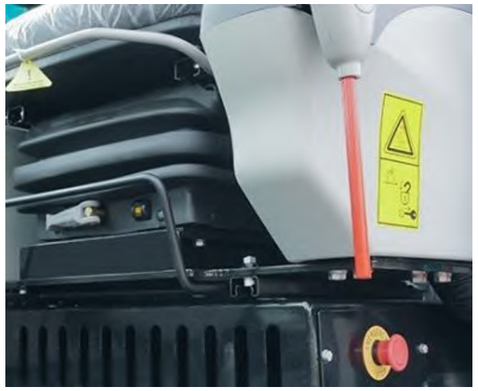
Top-configuration Operating Environment



Skylight: expands the vision for special working environment.

Pilot operating handle: operation with ease; equipped with one-key

User-friendly emergency stop switch



High-definition LCD

A 7-inch high-definition color display is provided. It has a friendlier interface. It can display all the operation information in a high-definition manner without being affected by external environment. Moreover, it features easy operation as well as simple and legible prompt messages. Therefore, you can easily monitor and maintain the machine.

Main Interface of Display

- Warning light indicator
- Fuel level indicator
- Engine cooling water temperature indicator
- Accelerator gear-position indicator indicator
- Fault code indicator
- Function switch menu
- Loading counter

New-style Electronic Monitoring System

- **Monitoring function**

  It monitors such items as engine fuel level, coolant temperature and blocking of air filter.

- **Maintenance information**

  At the end of maintenance interval, the display shows the replacement time of oil, fuel and air filter element respectively, and reminds operators of such replacement.

- **Information memory for historical fault data**

  The display stores all types of historical fault data and operators can inquire such data at any time. As a result, this function guarantees the troubleshooting.

MORE CONFORMABLE AND BETTER MAINTAINABILITY

Safe and Considerate Configurations

Safety hammer | Hand sanitizer retainer | Fire-fighting device bracket | Cup holder

Comfortable and Luxurious Control Panel

- Rocker switch
- Throttle knob
- Portable storage box
- Air conditioning panel
- Audio operating button
- USB interface
- Radio

Exquisite Design and Maintenance Items

Long-life Oil Filter Element

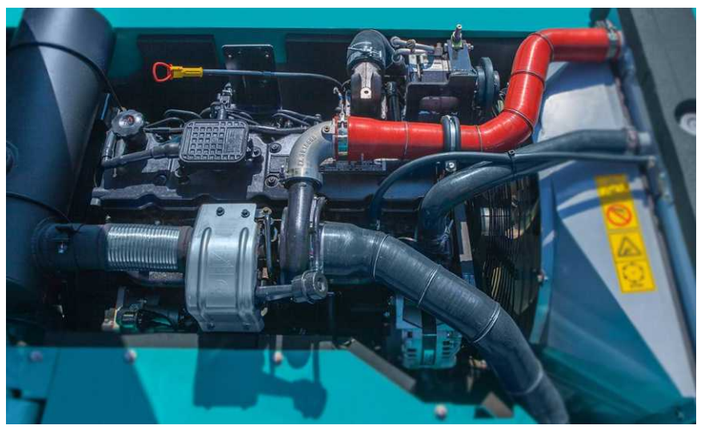
The high-performance filter materials and the long-life oil extends the replacement interval of both oil and filter element.

Fuel Prefilter Element

- It can remove both water and impurities from the fuel, thus reducing the probability of ignition by fuel. There fore, it has excellent adaptability for fuels.
- Integrated stop valve, simple and reliable in operation.

The main pump chamber is simple and capacious. Maintenance points are laid out intensively. Both fuel filter and oil filter are near at hand. As a result, both maintenance and repair are easy and convenient.

User-friendly piping layout

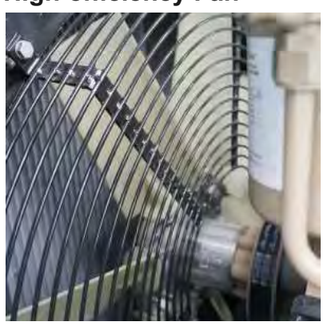


User-friendly pipeline layout facilitates maintenance and operation and the turbo charger is provided with an anti-scald protection cover.

Comfortable and Luxurious Control Panel

- The cooling units laid out in parallel has a small resistance and excellent heat dissipation effect. Blockage of cooling units can be eliminated easily.
- The dilated heat dissipation system ensures that the equipment is always under the optimum operating condition. Moreover, the system has a high efficiency and low energy consumption.
- The battery main switch is firmly fixed and can be operated conveniently. The main power can be cut off by disconnecting the negative pole. Under special situations, this function can protect the machine.

Low-noise and High-efficiency Fan



It ensures that both engine and hydraulic system enjoy an excellent temperature environment with large temperature margin, high efficiency and reliability.

High-efficiency Air Filtration System with Convenient Maintenance

A two-stage air filtration system is provided. The first stage is effective in preventing rain and floating dust. Radial Seal TM large-capacity air filter is adopted for the second stage, providing higher filter efficiency and facilitating cleaning and replacement of the filter element.

VARY OPTIONS AND BETTER ADAPTABILY

Construction by SWE235E-3 in Guangxi

Construction by SWE215E in Guangzhou

Construction by SWE215E in Beijing

Construction by SWE215E in Hebei

Construction by SWE235E-3 in Guangzhou

Construction by SWE215E in Anhui

Great Sunward Green

Sunward excavator provides assistance to national defense

SWE155E-3

Power Unit

Model	Cummins QSF3.8
Type	Four-stroke, supercharging, inter-cooling and direct injection
Air suction	Turbocharging and air cooling
Number of cylinders	4
Cylinder diameter×stroke	102mm×115mm
Displacement	3.76L
Rated power	93kW/2200rpm
Maximum torque	500N·m/1200rpm

Hydraulic Unit

Hydraulic pump	
Type	Dual-tandem plunger pump with variable displacement
Discharge of main pump	2×126.4L/min
Discharge of pilot pump	1×20L/min
Maximum pressure	
Oil circuit of working unit/supercharging	31.4/34.3 MPa
Slewing oil circuit	25.0MPa
Traveling oil circuit	34.3MPa
Pilot oil circuit	3.9MPa

Hydraulic Oil Cylinder

Number of cylinders - cylinder diameter × arm diameter × stroke	
Boom oil cylinder	2-105mm×75mm×995mm
Arm oil cylinder	1-120mm×80mm×1173mm
Bucket oil cylinder	1-100mm×70mm×870mm

Rotary System

Driving mode	Hydraulic drive
Swing motor	Axial plunger motor
Parking brake	Hydraulic disc brake
Rotating speed	11rpm

Working Weight and Specific Pressure

The working weight includes a 4,600 mm HD type boom, a 2,500 mm HD type arm, an operator, lubricant, coolant, fuel and other standard equipment.

Working weight	14800kg
Width of track link	600mm
Ground specific pressure	36.8kPa

Traveling System

Driving mode	Hydraulic drive
Travel motor	2× two-speed transmission axial piston motor
Parking brake	Hydraulic disc brake
Traveling speed	3.2/5.3 km/h
Traveling traction	115kN
Maximum gradeability	70% (35 °)

Lower Traveling Frame

Intermediate frame	HD type and X-shaped frame
Crawler frame	HD type box beam structure
Number of crawler sections	2×46 sections
Number of carrier rollers	2×2
Number of thrust rollers	2×7
Caterpillar track guide mechanism	2×2

Coolant and Lubricant

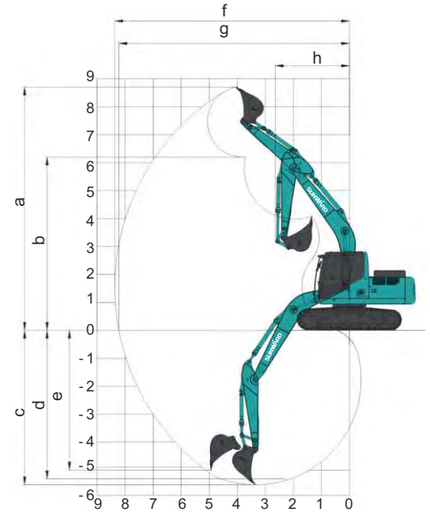
Fuel tank	245L
Hydraulic oil tank	150L
Radiator	22L
Engine oil	12L
Traveling reducer oil	2×4.7L
Slewing reducer oil	6.6L

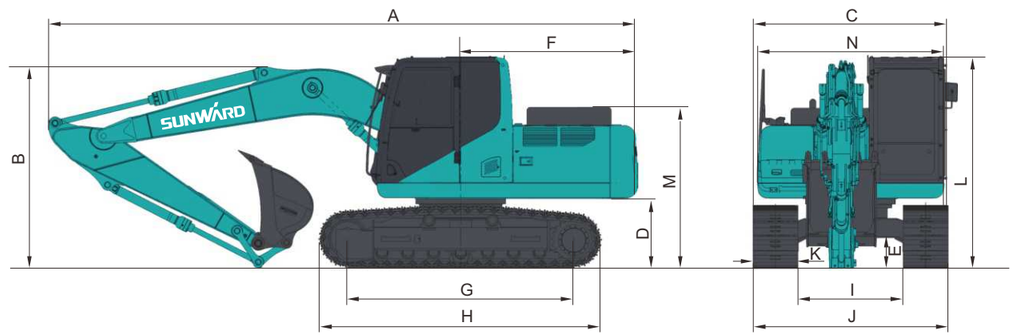
Bucket

Bucket capacity (ISO standard)	m^3	0.61
Bucket width (including side blade plate)	mm	940
Bucket weight	kg	540
Number of bucket teeth		5
Configurations		
2.5m standard arm		Standard Configurations

Working Range

Boom length	mm	4600
Arm length	mm	2500
a Max.digging height	mm	8700
b Max.unloading height	mm	6200
c Max.digging depth	mm	5525
d Digging depth (2.44m; horizontal)	mm	5310
e Max.vertical digging depth	mm	5000
f Max.digging reach	mm	8370
g Max.ground digging reach	mm	8225
h Min.front swing radius	mm	2645
Digging force of bucket (ISO supercharging)	kN	100
Digging force of arm (ISO supercharging)	kN	76





Outline Dimension

Boom length	mm	4600	G Ground contact length of track	mm	3000
Arm length	mm	2500	H Length of track	mm	3765
A Total length	mm	7825	I Track gauge	mm	2000
B Total height	mm	2825	J Width of track	mm	2600
C Total width	mm	2600	K Width of track link	mm	600
D Ground clearance of counterweight	mm	940	L Cab height	mm	2825
E Minimum ground clearance	mm	410	M Height of machine hood	mm	2145
F Tail swing radius	mm	2355	N Width of turntable	mm	2490

SWE215E

Power Unit

Model	Cummins QSB7
Type	Four-stroke, supercharging, inter-cooling and direct injection
Air suction	Turbocharging and air cooling
Number of cylinders	6
Cylinder diameter×stroke	107mm×124mm
Displacement	6.7L
Rated power	124kW/2050rpm
Maximum torque	658N·m/1200rpm

Hydraulic Unit

Hydraulic pump	
Type	Dual-tandem plunger pump with variable displacement
Discharge of main pump	2×240L/min
Discharge of pilot pump	1×21L/min
Maximum pressure	
Oil circuit of working unit/supercharging	31.4/34.3 MPa
Slewing oil circuit	26.0MPa
Traveling oil circuit	34.3MPa
Pilot oil circuit	3.9MPa

Hydraulic Oil Cylinder

Number of cylinders - cylinder diameter × arm diameter × stroke	
Boom oil cylinder	2-125mm×85mm×1240mm
Arm oil cylinder	1-135mm×95mm×1540mm
Bucket oil cylinder	1-120mm×80mm×1055mm

Rotary System

Driving mode	Hydraulic drive
Swing motor	Axial plunger motor
Parking brake	Hydraulic disc brake
Rotating speed	11.8rpm

Working Weight and Specific Pressure

The working weight includes a 5,700 mm HD type boom, a 2,920 mm HD type arm, an operator, lubricant, coolant, fuel and other standard equipment.

Working weight	21300kg
Width of track link	600mm
Ground specific pressure	46kPa

Traveling System

Driving mode	Hydraulic drive
Travel motor	2× two-speed transmission axial piston motor
Parking brake	Hydraulic disc brake
Traveling speed	3.5/5.2 km/h
Traveling traction	232kN
Maximum gradeability	70% (35 °)

Lower Traveling Frame

Intermediate frame	HD type and X-shaped frame
Crawler frame	HD type box beam structure
Number of crawler sections	2×47 sections
Number of carrier rollers	2×2
Number of thrust rollers	2×8
Caterpillar track guide mechanism	2×2

Coolant and Lubricant

Fuel tank	370L
Hydraulic oil tank	250L
Radiator	30L
Engine oil	24L
Traveling reducer oil	2×5L
Slewing reducer oil	4L

Bucket

Bucket capacity (ISO standard)	m^3	1.0	1.0	1.1	1.1
Bucket width (including side blade plate)	mm	1120	1050	1170	1100
Bucket weight	kg	856	862	897	911
Number of bucket teeth		5	5	5	5
Configurations					
2.92m standard arm		Standard Configurations			○
2.6m arm					

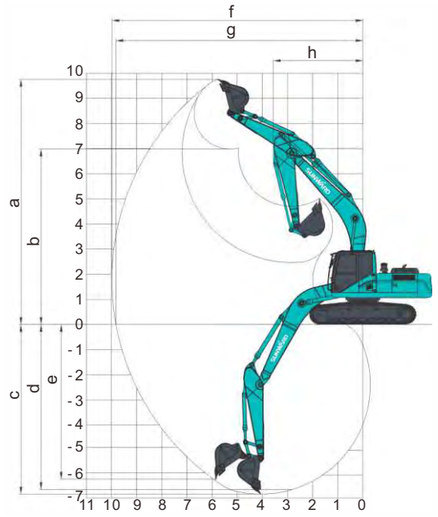
○ When the maximum material distribution density is ≤ 1.5t/m^3, this product can be used for excavating and loading the mixtures of loose soils, silts and crushed stones.

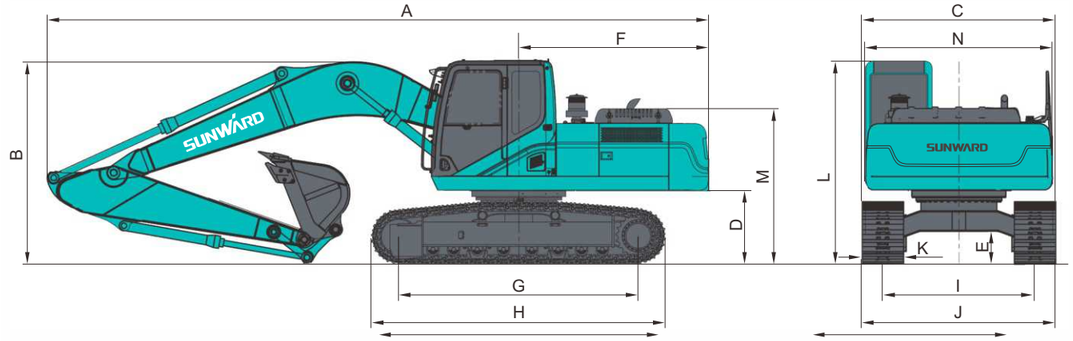
When the maximum material distribution density is ≤ 1.8t/m^3, this product can be used for excavating and loading hard soils, highly weathered rocks and ballasts obtained from mines fully exploded.

When the maximum material distribution density is ≤ 2.0t/m^3, this product can be used for stripping, excavating and loading hard soils, rocks and mines.

Working Range

Boom length	mm	5700	
Arm length	mm	2900	*2600
a Max.digging height	mm	9750	9490
b Max.unloading height	mm	6980	6760
c Max.digging depth	mm	6750	6430
d Digging depth (2.44m; horizontal)	mm	6560	6230
e Max.vertical digging depth	mm	5900	5560
f Max.digging reach	mm	9940	9630
g Max.ground digging reach	mm	9775	9460
h Min.front swing radius	mm	3560	3660
Digging force of bucket (ISO supercharging)	kN	155	155
Digging force of arm (ISO supercharging)	kN	110	123





Outline Dimension

Boom length	mm	5700	
Arm length	mm	2900	*2600
A Total length	mm	9570	9615
B Total height	mm	2495	3010
C Total width	mm	2800	
D Ground clearance of counterweight	mm	1060	
E Minimum ground clearance	mm	478	
F Tail swing radius	mm	2750	

G Ground contact length of track	mm	3465
H Length of track	mm	4260
I Track gauge	mm	2200
J Width of track	mm	2800
K Width of track link	mm	600
L Cab height	mm	2945
M Height of machine hood	mm	2250
N Width of turntable	mm	2710

Note: "*" refers to the optional arms.

SWE235E-3

Power Unit

Model	Cummins QSB7
Type	Four-stroke, supercharging, inter-cooling and direct injection
Air suction	Turbocharging and air cooling
Number of cylinders	6
Cylinder diameter×stroke	107mm×124mm
Displacement	6.7L
Rated power	140kW/2050rpm
Maximum torque	800N·m/1200rpm

Hydraulic Unit

Hydraulic pump	
Type	Dual-tandem plunger pump with variable displacement
Discharge of main pump	2×240L/min
Discharge of pilot pump	1×21L/min
Maximum pressure	
Oil circuit of working unit/supercharging	31.4/34.3 MPa
Slewing oil circuit	26.0MPa
Traveling oil circuit	34.3MPa
Pilot oil circuit	3.9MPa

Hydraulic Oil Cylinder

Number of cylinders - cylinder diameter × arm diameter × stroke	
Boom oil cylinder	2-125mm×85mm×1343mm
Arm oil cylinder	1-140mm×100mm×1510mm
Bucket oil cylinder	1-120mm×85mm×1055mm

Rotary System

Driving mode	Hydraulic drive
Swing motor	Axial plunger motor
Parking brake	Hydraulic disc brake
Rotating speed	13.4rpm

Working Weight and Specific Pressure

The working weight includes a 5,700 mm HD type boom, a 2,600 mm HD type arm, an operator, lubricant, coolant, fuel and other standard equipment.

Working weight	22600kg
Width of track link	600mm
Ground specific pressure	46.5kPa

Traveling System

Driving mode	Hydraulic drive
Travel motor	2× two-speed transmission axial piston motor
Parking brake	Hydraulic disc brake
Traveling speed	3.5/5.6 km/h
Traveling traction	232kN
Maximum gradeability	70% (35 °)

Lower Traveling Frame

Intermediate frame	HD type and X-shaped frame
Crawler frame	HD type box beam structure
Number of crawler sections	2×49 sections
Number of carrier rollers	2×2
Number of thrust rollers	2×9
Caterpillar track guide mechanism	2×2

Coolant and Lubricant

Fuel tank	370L
Hydraulic oil tank	250L
Radiator	30L
Engine oil	24L
Traveling reducer oil	2×5L
Slewing reducer oil	4.4L

Bucket

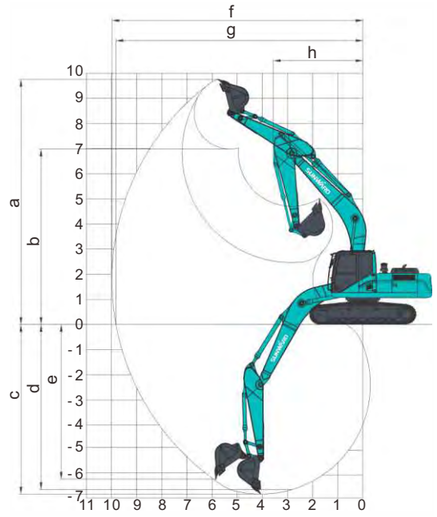
Bucket capacity (ISO standard)	m^3	1.1	1.1	1.0	1.0
Bucket width (including side blade plate)	mm	1170	1100	1120	1050
Bucket weight	kg	897	911	856	860
Number of bucket teeth		5	5	5	5
Configurations					
2.92m standard arm		Standard Configurations			
2.6m arm					

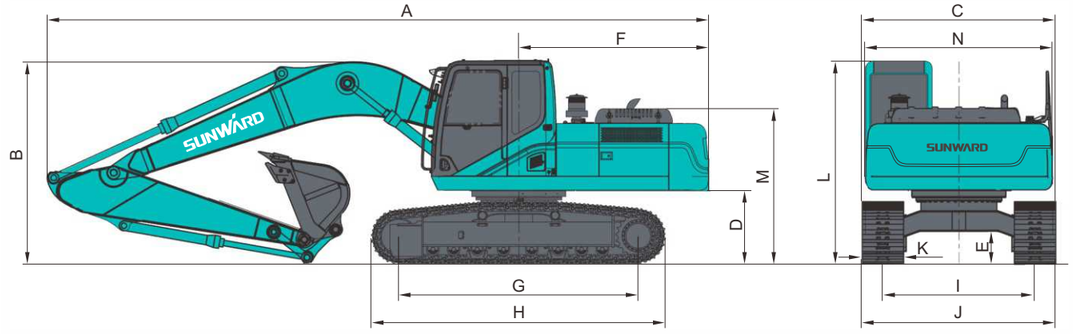
When the maximum material distribution density is ≤ 1.8t/m^3, this product can be used for excavating and loading hard soils, highly weathered rocks and ballasts obtained from mines fully exploded.

When the maximum material distribution density is ≤ 2.0t/m^3, this product can be used for stripping, excavating and loading hard soils, rocks and mines.

Working Range

Boom length	mm	5700	
Arm length	mm	2900	*2600
a Max.digging height	mm	9815	9570
b Max.unloading height	mm	6925	6700
c Max.digging depth	mm	6690	6370
d Digging depth (2.44m; horizontal)	mm	6520	6165
e Max.vertical digging depth	mm	6050	5780
f Max.digging reach	mm	9900	9600
g Max.ground digging reach	mm	9735	9430
h Min.front swing radius	mm	3565	3630
Digging force of bucket (ISO supercharging)	kN	155	155
Digging force of arm (ISO supercharging)	kN	115	129





Outline Dimension

Boom length	mm	5700	
Arm length	mm	2900	*2600
A Total length	mm	9520	9540
B Total height	mm	3130	3160
C Total width	mm	2990	
D Ground clearance of counterweight	mm	1060	
E Minimum ground clearance	mm	478	
F Tail swing radius	mm	2750	

G Ground contact length of track	mm	3653
H Length of track	mm	4447
I Track gauge	mm	2390
J Width of track	mm	2990
K Width of track link	mm	600
L Cab height	mm	2960
M Height of machine hood	mm	2250
N Width of turntable	mm	2710

Note: "*" refers to the optional arms.