



EXCAVATOR SERIES OF SUNWARD

Sunward Intelligent Equipment Co., Ltd.

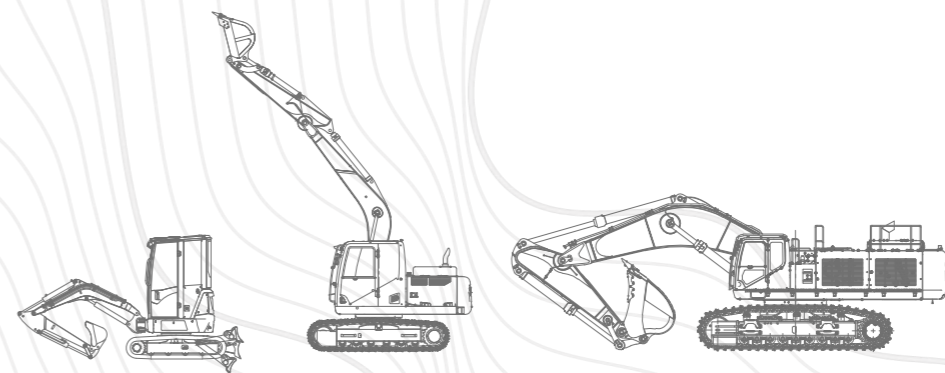
✉ international@sunward.cc

📍 Sunward Industrial Park, No. 1335 Liangtang Road (E), Xingsha, Changsha, Hunan, China

🌐 www.sunward.com.cn

Please read the operation and maintenance manual carefully first for proper use of the equipment. Sunward will make continual improvement, however, it may not be possible for us to inform you of all improvements to the products. This illustration is only used for reference and will be finally interpreted by Sunward.
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SWE CH 2022.02



SUNWARD

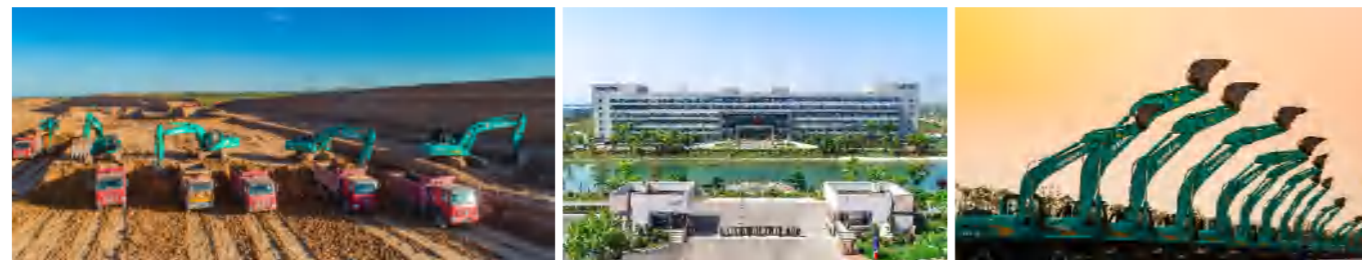
GROUP PROFILE

Sunward was founded in 1999 mainly by Professor He Qinghua from Central South University and started its business based on its revolutionary product-hydraulic static pile driver. Currently, with Sunward Equipment Co., Ltd. (listed) as its core and headquartered in Changsha, Sunward has developed into an international conglomerate, quite influential at home and abroad.

Adhering to the vision of "being a value creator in the field of equipment manufacturing", Sunward focuses on the synchronous development of engineering equipment, special equipment, and aviation equipment. With a total asset of RMB 19 billion, it is now one of leading manufacturers of underground engineering equipment in China. On a global scale, it ranks among top 50 engineering machinery manufacturers, top 20 excavator producers, and top 3 regional aircraft leasing enterprises.

It has successfully developed over two hundred specifications and models in more than ten fields, such as underground engineering equipment, whole series excavators, modern rock drilling equipment, special equipment, mining equipment, hoisting machinery, hydraulic components, and general aviation equipment. Sunward boasts high end equipment products with independent intellectual property rights and core competitiveness, which have been exported in batches to more than 100 countries and regions. The "Sunward" trademark has been registered in over one hundred countries around the world.

Sunward has obtained more than 1,000 patent technologies, undertaken 23 national projects such as National "863" Program, National Key Technology Research and Development Program and Strengthening Basic Disciplines Program, and won dozens of awards such as the second prize of the State Science and Technology Advancement Award. It has been awarded honorary titles such as "National Technological Innovation Model Enterprise" and "National Innovative Enterprise" and has been approved to establish innovation platforms. On September 17, 2020, President Xi Jinping inspected Sunward and spoke highly of its proactive innovation spirit and entrepreneurship of "grow out of nothing and expand from small to large".



- 1999** ● Sunward start-up
- 2001** ● Started the research and development of small excavators
Multi-functional hydraulic excavator won an award
- 2002** ● Obtain self-managed import and export right
Foundation laying and construction commencement of Industrial Park
- 2003** ● "Mechatronics and Informationized Manufacturing of Hydraulic Excavators"
The project was funded by the National "863" Program;
- 2004** ● China's top 100 most competitive high-tech enterprises
The hydraulic static pile driver won the second prize of State Science and Technology Advancement Award
- 2005** ● Small excavators are exported in batches to European and American developed countries
Top 100 Potential Lists of Chinese Forbes
- 2006** ● Listed on Shenzhen Stock Exchange
Chairman He Qinghua attended the National Science and Technology Conference
- 2007** ● The small excavator won the first prize of "9thBICES Modeling and Appearance Quality Evaluation"
The loader-digger won the "IDSA International Outstanding Design Gold Award" in the United States
- 2009** ● Li Keqiang, then Vice Premier of the State Council, inspected the Company
Sunward launched the world's first intelligent excavator
China's first engineering hybrid excavator and 47-ton large excavator
- 2010** ● Wen Jiabao, then Premier of the State Council, inspected Sunward
Being awarded "National Engineering Machinery Mobilization Center"
- 2013** ● The first hydraulic hybrid excavator SWE350ES
SWE365E and SWE470E were developed in the same year
- 2014** ● Hydraulic hybrid excavator was launched
Sunward became one of the first enterprises to pass the "Intellectual Property Management System Certification"
- 2015** ● China's first 90-ton hydraulic hybrid excavator SWE900ES officially rolled off the production line
- 2016** ● Establishment of China Railway Sunward
Chairman He Qinghua won the title of "Contemporary Inventor"
- 2017** ● The energy-saving technology won the first prize of "Technological Invention Award of Hunan Province"
Won the title of national "Intelligent Manufacturing Pilot Model"
- 2018** ● Top 50 global engineering machinery manufacturers in 2018
- 2019** ● Chairman He Qinghua attended CCTV Dialogue
Sunward completed mixed-ownership reform through the strategical investment from Guangzhou Wanli Group
- 2020** ● On September 17, 2020, Xi Jinping, General Secretary of the Communist Party of China Central Committee, President of the State and Chairman of the Central Military Commission, inspected Sunward



SWE08B



◆ Yanmar engine

With low noise, low vibration, and easy maintenance of the main components, Yanmar engine is very popular with compact equipment.

◆ Retractable chassis

Through handle control, the chassis width can be reduced to 750 mm to pass through narrow space. On the contrary, if the chassis width is extended up to 1,000 mm, its stability will increase by 15%.

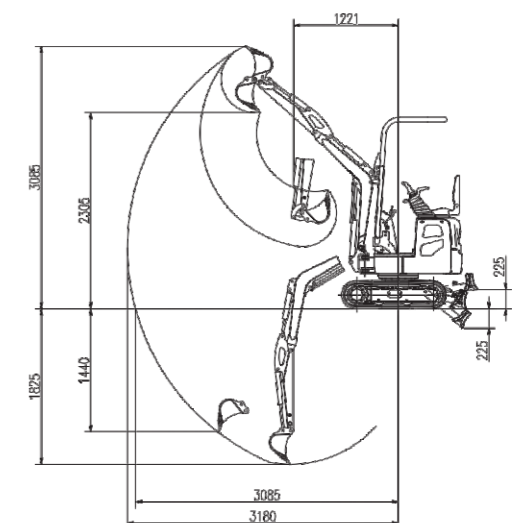
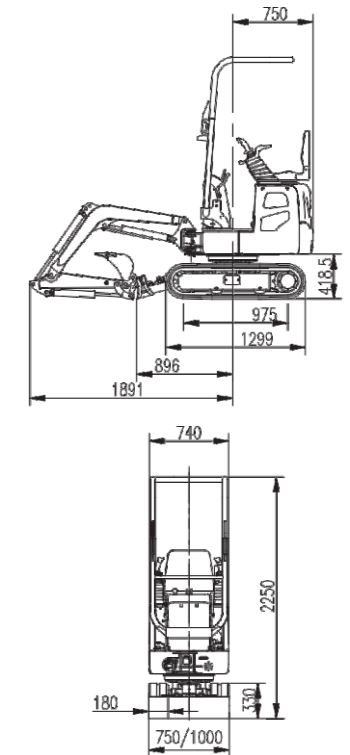
◆ Quick change device

All kinds of buckets and accessories can be removed or installed quickly, and hydraulic crushing hammer can be used.

◆ Working device pipeline

Transition connection is adopted for each working pipeline at the boom root, which is easy to repair and replace, and steel sheath is used for the exposed pipeline prone to collision or scratch, so as to effectively prolong the service life.

ENGINE		UNIT	SWE08B
Working weight		kg	1010
Capacity of bucket		m ³	0.022
Engine	Brand		YANMAR
	Type		2TNV70-PSU
	Rated output power	kW/rpm	7.2/2400
Dimension parameters	Transportation length	mm	2640
	Transportation height	mm	2250
	Total width	mm	750/1000
	Counterweight ground clearance	mm	419
	Min. ground clearance	mm	131
	Tail slewing radius	mm	750
	Ground contact length of track	mm	975
	Track length	mm	1299
	Track gauge	mm	570/820
	Track width	mm	750/1000
	Creeper tread width	mm	180
	Cab height	mm	2250
	Turntable width	mm	740
	Scope of work	Maximum excavation height	mm
Maximum dumping height		mm	2305
Maximum digging depth		mm	1825
Maximum vertical digging depth		mm	1440
Maximum digging radius		mm	3180
Maximum digging radius on ground		mm	3085
Min. slewing radius	mm	1221	
Swing arm length		mm	1350
Bucket arm length		mm	700
Bucket arm digging force		kN	5.8
Bucket digging force		kN	9.4
Speed (high/low)		km/h	2.9/1.5
Slewing speed		rpm	8.2
Fuel tank capacity		L	10
Hydraulic fuel tank capacity		L	9.5





SWE18UF



◆ **Yanmar engine**

With low noise, low vibration, and easy maintenance of the main components, Yanmar engine is very popular with compact equipment.

◆ **Rich configuration**

Full hydraulic control, automatic shift when walking, retractable chassis, deflectable working device.

◆ **Easy maintenance**

Air filter element, engine oil filter element, oil-water separator, fuel filter element, auxiliary water tank, etc. are accessible. Centralized lubrication from outside makes daily maintenance easy and simple.

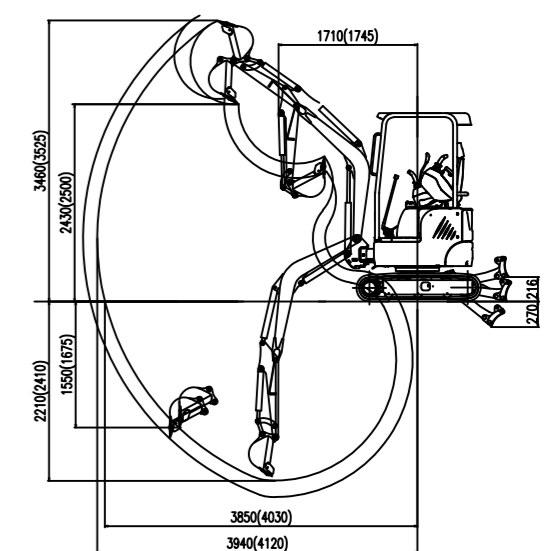
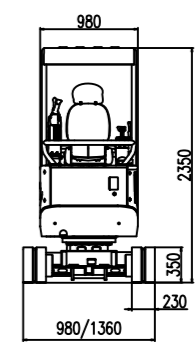
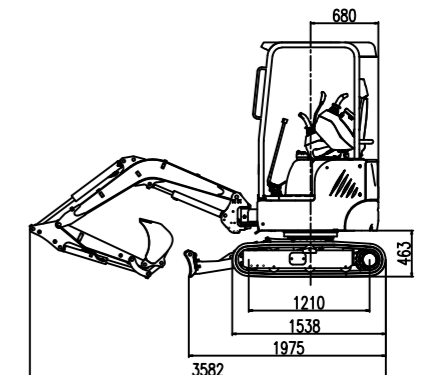
◆ **Quick change device**

All kinds of buckets and accessories can be removed or installed quickly.

◆ **Working device pipeline**

Accessory pipelines and hydraulic quick change pipelines are equipped as standard.

ENGINE		UNIT	SWE18UF
Working weight		kg	1880
Capacity of bucket		m ³	0.04
Engine	Brand		YANMAR
	Type		3TNV80-SSU
	Rated output power	kW/rpm	13.4/2200
Dimension parameters	Transportation length	mm	3582
	Transportation height	mm	2350
	Total width	mm	990/1360
	Counterweight ground clearance	mm	462
	Min. ground clearance	mm	160
	Tail slewing radius	mm	680
	Ground contact length of track	mm	1210
	Track length	mm	1538
	Track gauge	mm	760/1130
	Track width	mm	990/1360
	Creeper tread width	mm	230
	Cab height	mm	2350
	Turntable width	mm	980
	Scope of work	Maximum excavation height	mm
Maximum dumping height		mm	2430
Maximum digging depth		mm	2210
Maximum vertical digging depth		mm	1550
Maximum digging radius		mm	3940
Maximum digging radius on ground		mm	3850
Min. slewing radius		mm	1710
Swing arm length	mm	1800	
Bucket arm length	mm	950/1150	
Bucket arm digging force	kN	12	
Bucket digging force	kN	21	
Speed (high/low)	km/h	3.5/2.0	
Slewing speed	rpm	10	
Fuel tank capacity	L	24.6	
Hydraulic fuel tank capacity	L	18.6	





SWE20F



◆ **Yanmar engine**

With low noise, low vibration, and easy maintenance of the main components, Yanmar engine is very popular with compact equipment.

◆ **Retractable chassis**

Through handle control, the chassis width can be reduced to 990 mm to pass through narrow space. On the contrary, if the chassis width is extended up to 1,360 mm, the working stability will increase prominently.

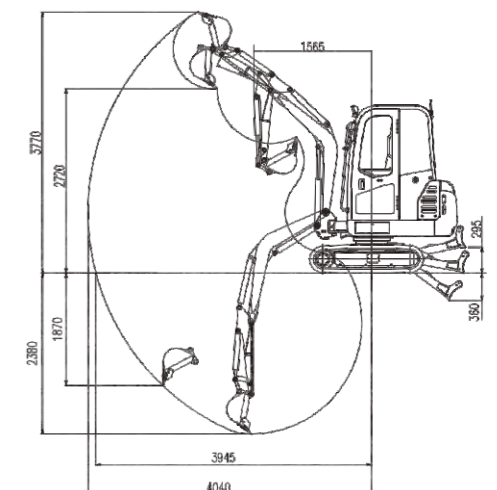
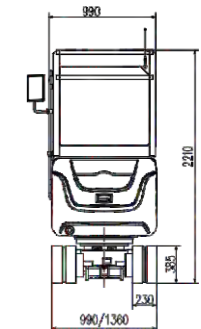
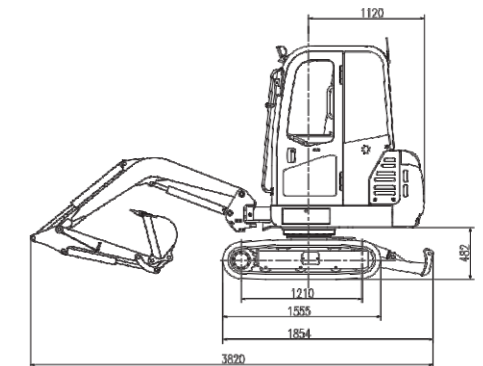
◆ **Comfortable operating environment**

It not only has spacious space, but also enlarges the front window and top window, with a wide field of vision. It is also equipped with suspension damping seats, which improves the driver's comfort.

◆ **Easy maintenance**

The rear cover with large opening angle makes daily inspection simple and filter maintenance and replacement convenient. The access door is located at left lower corner, which is convenient for the maintenance of multiple unit valve, so as to avoid the trouble of lifting the cab. The external fuel filling port is convenient and simple for operation.

ENGINE		UNIT	SWE20F
Working weight		kg	1940
Capacity of bucket		m ³	0.04
Engine	Brand		YANMAR
	Type		3TNV80-SSU
	Rated output power	kW/rpm	13.4/2200
Dimension parameters	Transportation length	mm	3820
	Transportation height	mm	2210
	Total width	mm	990/1360
	Counterweight ground clearance	mm	450
	Min. ground clearance	mm	160
	Tail slewing radius	mm	1120
	Ground contact length of track	mm	1210
	Track length	mm	1550
	Track gauge	mm	760/1130
	Track width	mm	990/1360
	Creep tread width	mm	230
	Cab height	mm	2210
	Turntable width	mm	990
	Scope of work	Maximum excavation height	mm
Maximum dumping height		mm	2720
Maximum digging depth		mm	2380
Maximum vertical digging depth		mm	1870
Maximum digging radius		mm	4040
Maximum digging radius on ground		mm	3945
Min. slewing radius		mm	1565
Swing arm length	mm	1800	
Bucket arm length	mm	1150	
Bucket arm digging force	kN	9.83	
Bucket digging force	kN	22.7	
Speed (high/low)	km/h	3.5/2.0	
Slewing speed	rpm	10	
Fuel tank capacity	L	23	
Hydraulic fuel tank capacity	L	35	





SWE25F



◆ Yanmar engine

With low noise, low vibration, and easy maintenance of the main components, Yanmar engine is very popular with compact equipment.

◆ Excellent performance

Equipped with high-performance hydraulic system and components, the compound actions of swing arm, bucket arm, bucket and rotation are coordinated and smooth, which has left a deep impression in this tonnage level.

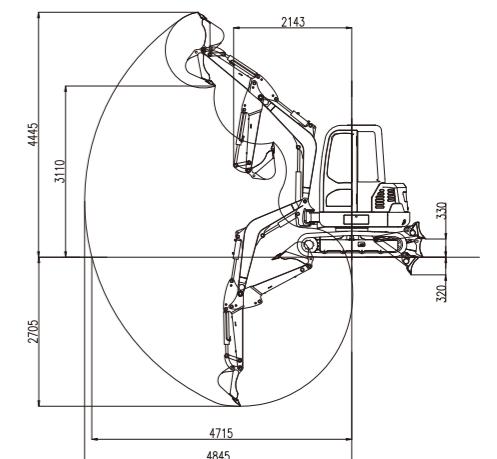
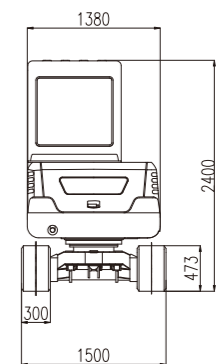
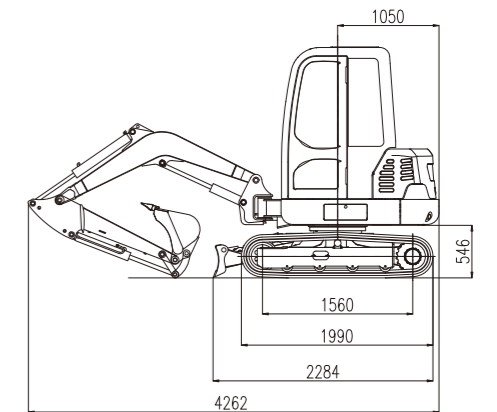
◆ Simple and convenient switch control

Monitoring instruments are easy to read and operate.

◆ Easy maintenance

The fully openable door and hood make daily inspection and filter maintenance and replacement simple and convenient. The access door is located at left lower corner, which is very convenient for the maintenance and repair of the multiple unit valve, so as to avoid the trouble of removing the cover.

ENGINE		UNIT	SWE25F
Working weight		kg	2640
Capacity of bucket		m ³	0.08
Engine	Brand		YANMAR
	Type		3TNV80-PSU
	Rated output power	kW/rpm	14.6/2400
Dimension parameters	Transportation length	mm	4262
	Transportation height	mm	2400
	Total width	mm	1500
	Counterweight ground clearance	mm	546
	Min. ground clearance	mm	280
	Tail slewing radius	mm	1050
	Ground contact length of track	mm	1560
	Track length	mm	1990
	Track gauge	mm	1200
	Track width	mm	1500
	Creeper tread width	mm	300
	Cab height	mm	2400
	Turntable width	mm	1380
	Scope of work	Maximum excavation height	mm
Maximum dumping height		mm	3110
Maximum digging depth		mm	2705
Maximum vertical digging depth		mm	1533
Maximum digging radius		mm	4845
Maximum digging radius on ground		mm	4715
Min. slewing radius		mm	2143
Swing arm length	mm	2050	
Bucket arm length	mm	1350	
Bucket arm digging force	kN	14	
Bucket digging force	kN	24	
Speed (high/low)	km/h	4.4/2.6	
Slewing speed	rpm	9	
Fuel tank capacity	L	42.5	
Hydraulic fuel tank capacity	L	30	





SWE25UF



◆ Yanmar engine

With low noise, low vibration, and easy maintenance of the main components, Yanmar engine is very popular with compact equipment.

◆ Tailless design

Design and combination of tailless slewing and swing arm deflection can adapt to narrow and complex working conditions. If working at the root of the wall, the excavation operation can be carried out directly without frequent machine relocation, so it is flexible.

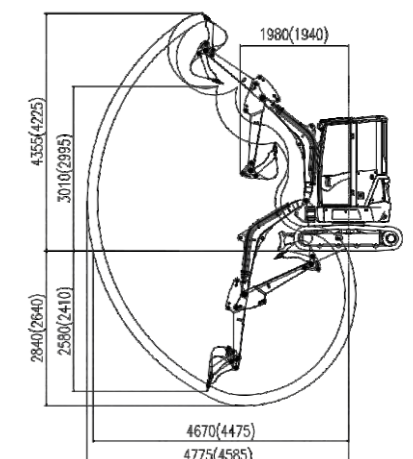
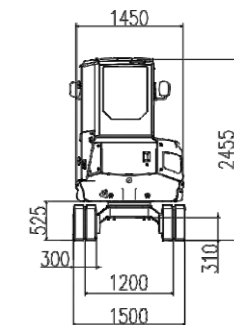
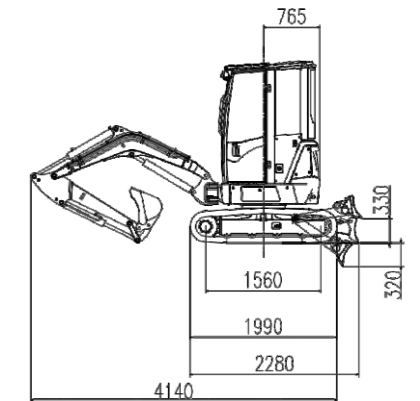
◆ Simple and convenient switch control

Monitoring instruments are easy to read and operate.

◆ Easy maintenance

The fully openable door and hood make daily inspection and filter maintenance and replacement simple and convenient. The access door is located at left lower corner, which is very convenient for the maintenance and repair of the multiple unit valve, so as to avoid the trouble of removing the cover.

ENGINE		UNIT	SWE25UF
Working weight		kg	2650
Capacity of bucket		m ³	0.08
Engine	Brand		YANMAR
	Type		3TNV80-PSU
Rated output power		kW/rpm	14.6/2400
Dimension parameters	Transportation length	mm	4140
	Transportation height	mm	2455
	Total width	mm	1500
	Counterweight ground clearance	mm	525
	Min. ground clearance	mm	310
	Tail slewing radius	mm	765
	Ground contact length of track	mm	1560
	Track length	mm	1990
	Track gauge	mm	1200
	Track width	mm	1500
	Creep tread width	mm	300
	Cab height	mm	2455
	Turntable width	mm	1450
	Scope of work	Maximum excavation height	mm
Maximum dumping height		mm	3010
Maximum digging depth		mm	2840
Maximum vertical digging depth		mm	2580
Maximum digging radius		mm	4775
Maximum digging radius on ground		mm	4670
Min. slewing radius		mm	1980
Swing arm length		mm	2050
Bucket arm length		mm	1150/1350
Bucket arm digging force		kN	14
Bucket digging force		kN	24
Speed (high/low)		km/h	4.4/2.6
Slewing speed		rpm	8.8
Fuel tank capacity		L	26
Hydraulic fuel tank capacity		L	24





SWE35UF



◆ KUBOTA engine

The original imported KUBOTA engine has the highest power among machines of the same level, with low noise and vibration.

◆ Comfortable cab

Comfortable operating environment and safe driving space.

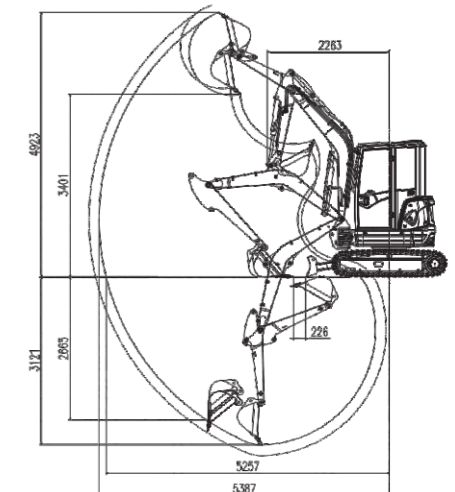
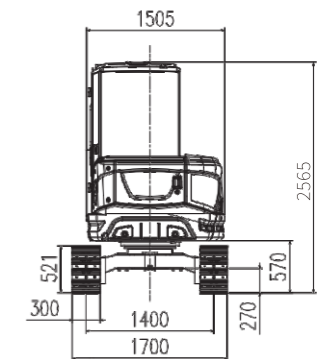
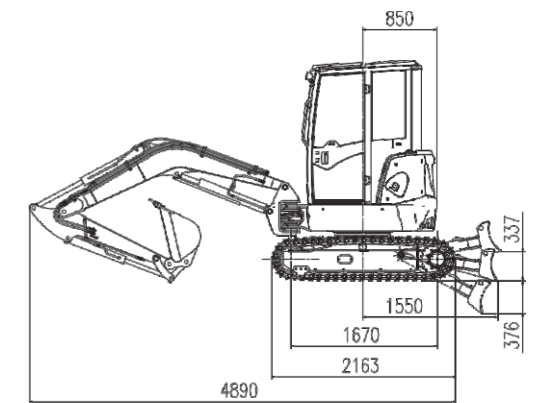
◆ Tailless design

Design and combination of tailless slewing and swing arm deflection can adapt to narrow and complex working conditions. If working at the root of the wall, the excavation operation can be carried out directly without frequent machine relocation, so it is flexible.

◆ Easy maintenance

The fully openable rear cover and right-side hood make daily inspection and filter maintenance and replacement simple and convenient. The side design of multiple unit valve is very convenient for maintenance and overhaul, so as to avoid the trouble of removing the covering parts.

ENGINE		UNIT	SWE35UF
Working weight		kg	3850
Capacity of bucket		m ³	0.11
Engine	Brand		KUBOTA
	Type		D1703
	Rated output power	kW/rpm	18.2/2200
Dimension parameters	Transportation length	mm	4890
	Transportation height	mm	2565
	Total width	mm	1700
	Counterweight ground clearance	mm	590
	Min. ground clearance	mm	270
	Tail slewing radius	mm	850
	Ground contact length of track	mm	1670
	Track length	mm	2163
	Track gauge	mm	1400
	Track width	mm	1700
	Creeper tread width	mm	300
	Cab height	mm	2565
	Turntable width	mm	1505
	Scope of work	Maximum excavation height	mm
Maximum dumping height		mm	3400
Maximum digging depth		mm	3120
Maximum vertical digging depth		mm	2665
Maximum digging radius		mm	5390
Maximum digging radius on ground		mm	5260
Min. slewing radius		mm	2265
Swing arm length	mm	2550	
Bucket arm length	mm	1350	
Bucket arm digging force	kN	19.8	
Bucket digging force	kN	21.4	
Speed (high/low)	km/h	4.0/2.3	
Slewing speed	rpm	9.5	
Fuel tank capacity	L	40	
Hydraulic fuel tank capacity	L	41	

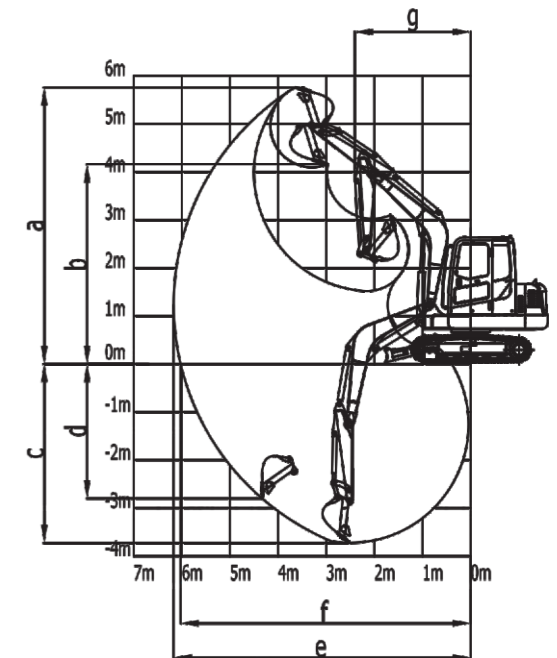
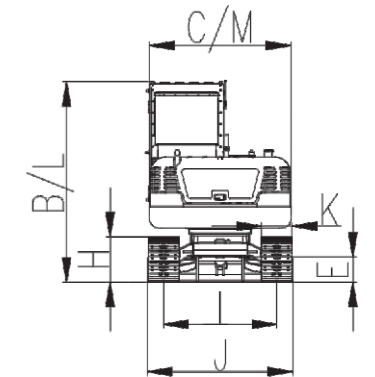
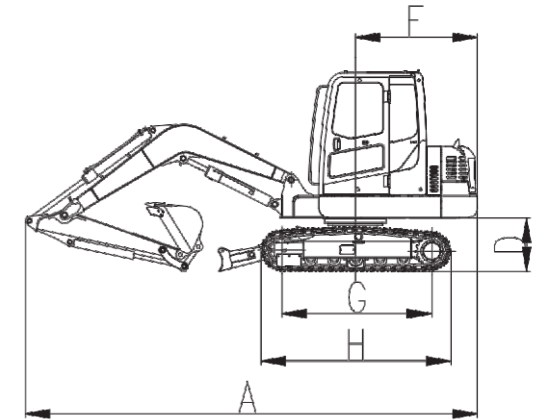




SWE60E



- ◆ China's first custom-developed special small engine;
- ◆ Equipped with large parallel radiators to ensure the normal operation of the engine for a long time;
- ◆ The upper carriage is enlarged, with reasonably distributed center of gravity, good stability, and magnificent appearance;
- ◆ The fuel tank capacity is increased with long endurance.



ENGINE		UNIT	SWE60E
Working weight		kg	6000
Capacity of bucket		m ³	0.22
Engine	Brand		YANMAR
	Type		4TNV94L-BVSUC
	Rated output power	kW/rpm	36.2/2100
Dimension parameters	A Transportation length	mm	5875
	B Transportation height	mm	2615
	C Total width	mm	1900
	D Counterweight ground clearance	mm	700
	E Min. ground clearance	mm	320
	F Tail slewing radius	mm	1600
	G Ground contact length of track	mm	1965
	H Track length	mm	2495
	I Track gauge	mm	1480
	J Track width	mm	1880
	K Creeper tread width	mm	400
	L Cab height	mm	2615
	M Turntable width	mm	1900
	Scope of work	a Maximum excavation height	mm
b Maximum dumping height		mm	4160
c Maximum digging depth		mm	3730
d Maximum vertical digging depth		mm	2800
e Maximum digging radius		mm	6175
f Maximum digging radius on ground		mm	6030
g Min. slewing radius		mm	2410
Swing arm length		mm	3000
Bucket arm length		mm	1600
Bucket arm digging force		kN	31
Bucket digging force		kN	47
Speed (high/low)		km/h	4.07/2.43
Slewing speed		rpm	9.4
Fuel tank capacity		L	113
Hydraulic fuel tank capacity		L	96



SWE60UF



◆ **Compact and flexible**

The body with tailless slewing is convenient for construction beside walls. Thanks to working device deflection, it can flexibly work around edges and corners.

◆ **Complete auxiliary equipment pipelines**

Auxiliary equipment pipelines and quick change lock pipelines are equipped as standard, which can replace manual work and meet the needs of various auxiliary equipment.

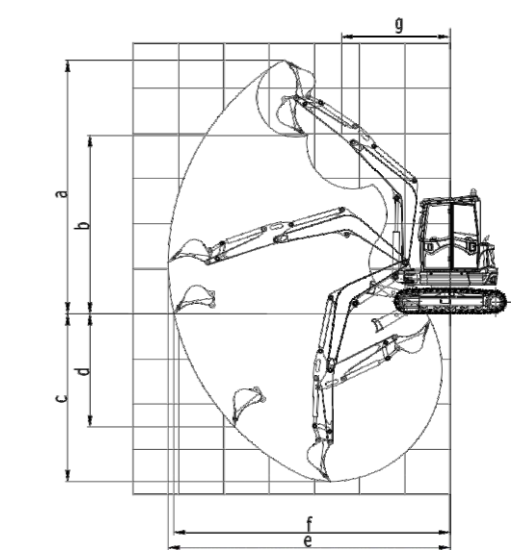
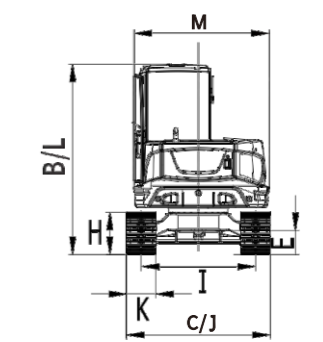
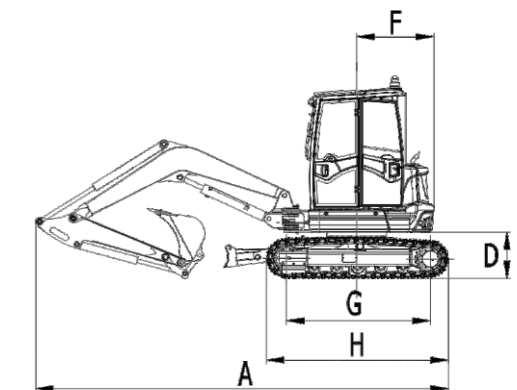
◆ **Electric proportional handle**

Equipped with electric proportional handle and thumb dial design as standard, which makes the control of auxiliary equipment easier.

◆ **Powerful**

Large displacement turbocharged engine conforming to Euro III and Euro V emission standards is adopted, with single-side maintenance advantage, strong power, and is economical and environment-friendly; With optimized low-speed section matching, when the engine is operating at a low speed, the efficiency is higher and the fuel consumption is lower.

ENGINE		UNIT	SWE60UF
Working weight		kg	6000
Capacity of bucket		m ³	0.18
Engine	Brand		KUBOTA
	Type		V2607-CR-T
	Rated output power	kW/rpm	36/2000
Dimension parameters	A Transportation length	mm	5500
	B Transportation height	mm	2550
	C Total width	mm	1960
	D Counterweight ground clearance	mm	640
	E Min. ground clearance	mm	330
	F Tail slewing radius	mm	1050
	G Ground contact length of track	mm	1965
	H Track length	mm	2490
	I Track gauge	mm	1560
	J Track width	mm	1960
	K Creeper tread width	mm	400
	L Cab height	mm	2550
	M Turntable width	mm	1845
Scope of work	a Maximum excavation height	mm	5610
	b Maximum dumping height	mm	3950
	c Maximum digging depth	mm	3710
	d Maximum vertical digging depth	mm	3199
	e Maximum digging radius	mm	6235
	f Maximum digging radius on ground	mm	6100
	g Min. slewing radius	mm	2475
	Swing arm length	mm	2900
Bucket arm length	mm	1600	
Bucket arm digging force	kN	31.1	
Bucket digging force	kN	46.8	
Speed (high/low)	km/h	4.07/2.43	
Slewing speed	rpm	9.4	
Fuel tank capacity	L	70	
Hydraulic fuel tank capacity	L	70	

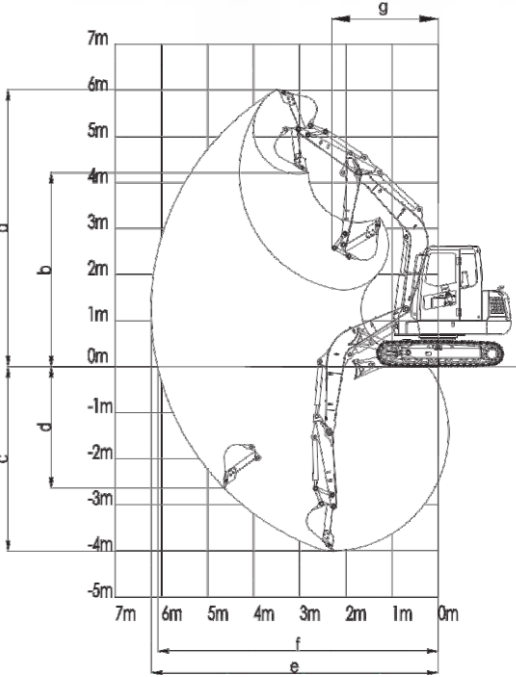
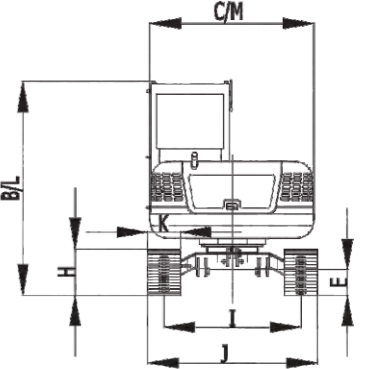
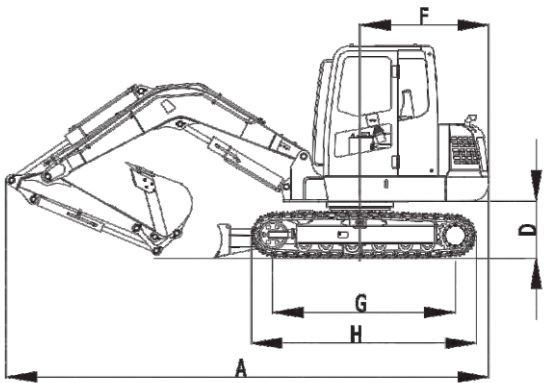




SWE70E



- ◆ Fuel consumption is reduced by 18% and efficiency is improved by 18%.
- ◆ The bucket arm circuit adopts a new type of three-pump confluence technology, which improves the speed of bucket arm and ground operation.
- ◆ It is the first cab in China that adopts a new skeleton-type design and meets the European [FOPS/TOPS] standard.
- ◆ Improved high torque traveling motor and reducer pinion and slewing mechanism with increased slewing bearing strength



ENGINE		UNIT	SWE70E
Working weight		kg	6560
Capacity of bucket		m ³	0.26
Engine	Brand		YANMAR
	Type		4TNV98-ZCSSU
	Rated output power	kW/rpm	46.3/2200
Dimension parameters	A Transportation length	mm	5910
	B Transportation height	mm	2625
	C Total width	mm	2080
	D Counterweight ground clearance	mm	700
	E Min. ground clearance	mm	340
	F Tail slewing radius	mm	1580
	G Ground contact length of track	mm	2240
	H Track length	mm	2760
	I Track gauge	mm	1680
	J Track width	mm	2080
	K Creeper tread width	mm	400
	L Cab height	mm	2625
	M Turntable width	mm	2080
Scope of work	a Maximum excavation height	mm	6020
	b Maximum dumping height	mm	4200
	c Maximum digging depth	mm	4015
	d Maximum vertical digging depth	mm	2840
	e Maximum digging radius	mm	6225
	f Maximum digging radius on ground	mm	6085
	g Min. slewing radius	mm	2305
Swing arm length		mm	3150
Bucket arm length		mm	1610
Bucket arm digging force		kN	31
Bucket digging force		kN	50
Speed (high/low)		km/h	4.0/2.3
Slewing speed		rpm	9
Fuel tank capacity		L	118
Hydraulic fuel tank capacity		L	96



SWE80E9



◆ **New generation electronic control + LS system**

A variety of operation modes are available to achieve the perfect combination of high efficiency and energy saving.

◆ **Reinforced underframe and platform**

Large box working device is more reliable and easy to deal with various working conditions.

◆ **Easy operation, comfortable and safe**

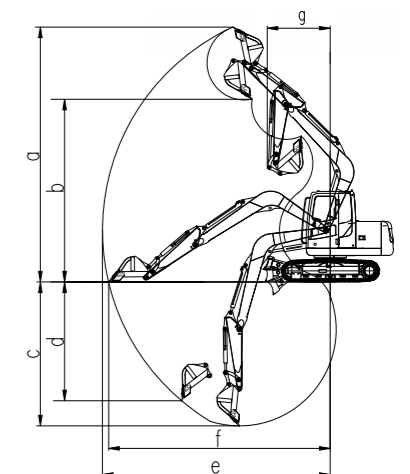
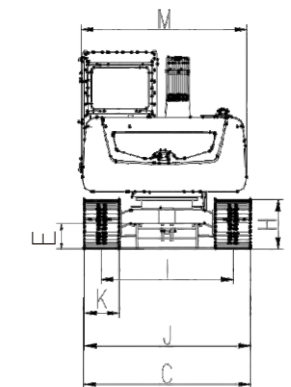
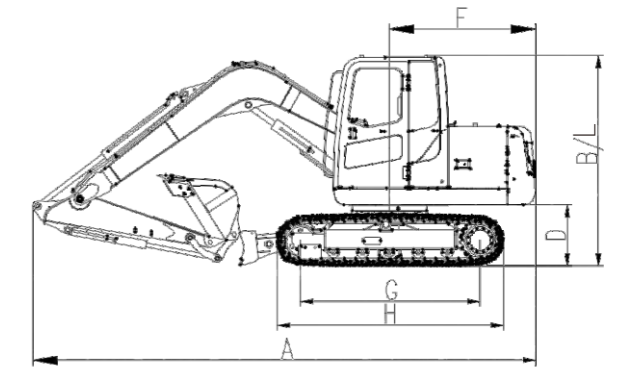
Ergonomic seats, large 5.7-inch color screen and self-contained skylight, providing wide vision and excellent control experience.

◆ **Larger operation scope of the same level**

Large operation area, with higher work efficiency.

◆ **Centralized maintenance, centralized lubrication, onground maintenance, and the maintenance is more convenient.**

ENGINE		UNIT	SWE80E9
Working weight		kg	7680
Capacity of bucket		m ³	0.3
Engine	Brand		YANMA
	Type		4TNV98-ZCSSUC
	Rated output power	kW/rpm	46.3/2200
Dimension parameters	A Transportation length	mm	6140
	B Transportation height	mm	2650
	C Total width	mm	2270
	D Counterweight ground clearance	mm	820
	E Min. ground clearance	mm	400
	F Tail slewing radius	mm	1800
	G Ground contact length of track	mm	2270
	H Track length	mm	2900
	I Track gauge	mm	1800
	J Track width	mm	2250
	K Creeper tread width	mm	450
	L Cab height	mm	2650
	M Turntable width	mm	2130
	Scope of work	a Maximum excavation height	mm
b Maximum dumping height		mm	5240
c Maximum digging depth		mm	4000
d Maximum vertical digging depth		mm	3290
e Maximum digging radius		mm	6440
f Maximum digging radius on ground		mm	6265
g Min. slewing radius		mm	1780
Swing arm length		mm	3720
Bucket arm length	mm	1680	
Bucket arm digging force	kN	37	
Bucket digging force	kN	54	
Speed (high/low)	km/h	4.2/2.2	
Slewing speed	rpm	11	
Fuel tank capacity	L	145	
Hydraulic fuel tank capacity	L	90	





SWE90UF



◆ **Beautiful, magnificent, and flexible**

Tailless slewing combined with large deflection angle of swing arm makes it easily operate in narrow space and beside walls. Sunward tailless excavators with maximum tonnage can adapt to more working conditions.

◆ **High-end configuration, safe and reliable**

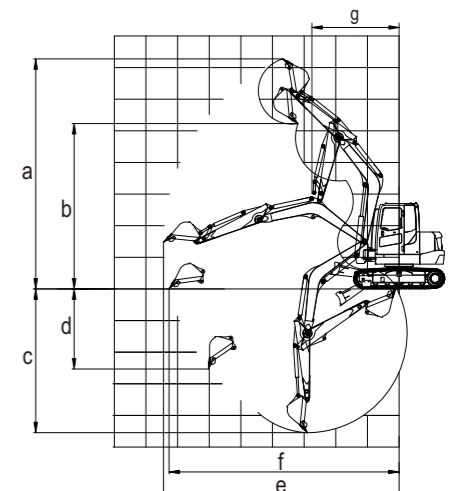
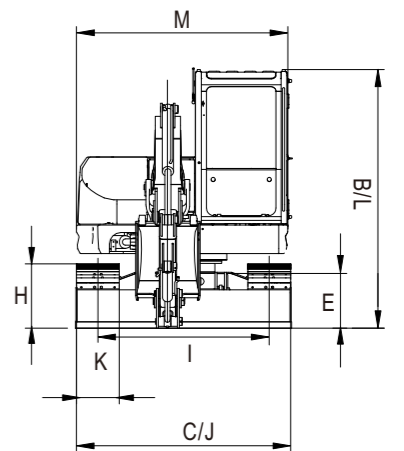
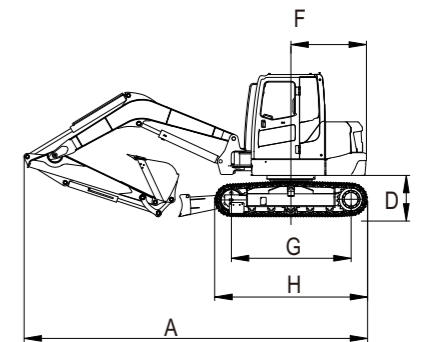
Equipped with Yanmar 4TNV98C engine, it has strong power; The electric control main pump is equipped with a large flow main valve for efficient operation; Swing arm and bucket arm are equipped with explosion-proof valves, with larger chassis at the same level, which is safe and stable.

◆ **Precise operation, comfortable and safe**

Rexroth load limiting (LLC) system is adopted, with multi-function and multi-mode options and comfortable operation, which saves your time and effort.

◆ **Easy maintenance**

Fully openable cover makes all maintenance parts within reach, which is very convenient. There is no need to disassemble too many irrelevant parts for component repair and replacement.



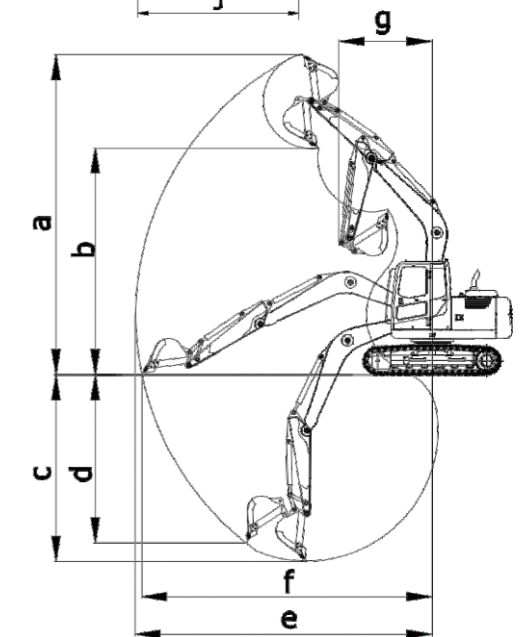
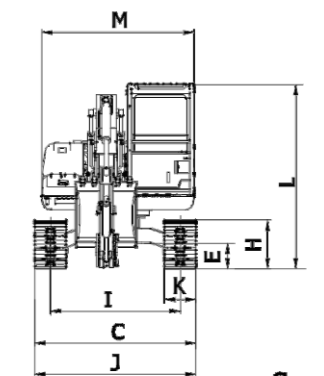
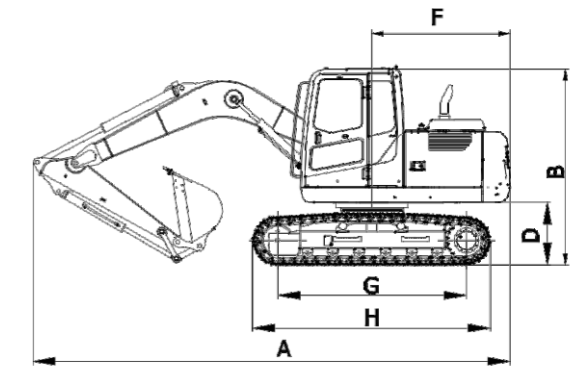
ENGINE		UNIT	SWE90UF
Working weight		kg	8750
Capacity of bucket		m ³	0.26
Engine	Brand		YANMAR
	Type		4TNV98C-SSU
	Rated output power	kW/rpm	46.2/2200
Dimension parameters	A Transportation length	mm	6494
	B Transportation height	mm	2735
	C Total width	mm	2250
	D Counterweight ground clearance	mm	800
	E Min. ground clearance	mm	380
	F Tail slewing radius	mm	1430
	G Ground contact length of track	mm	2270
	H Track length	mm	2900
	I Track gauge	mm	1080
	J Track width	mm	2250
	K Creeper tread width	mm	450
	L Cab height	mm	2735
	M Turntable width	mm	2220
	Scope of work	a Maximum excavation height	mm
b Maximum dumping height		mm	5245
c Maximum digging depth		mm	4545
d Maximum vertical digging depth		mm	3485
e Maximum digging radius		mm	7445
f Maximum digging radius on ground		mm	7270
g Min. slewing radius		mm	2765
Swing arm length		mm	3400
Bucket arm length		mm	2100
Bucket arm digging force		kN	38
Bucket digging force		kN	63.7
Speed (high/low)		km/h	4.7/2.7
Slewing speed		rpm	11.2
Fuel tank capacity		L	125
Hydraulic fuel tank capacity		L	80



SWE100E



- ◆ Extended chassis, industry-leading stability, heavy-duty sprocket, track roller, carrier roller, idler, and track, higher reliability.
- ◆ Larger operation range than that at the same level, large operation area and higher work efficiency.
- ◆ The shape, layout and manufacturing process of medium excavator, all-round small and medium excavators.
- ◆ New generation hydraulic system, large drift diameter, little pressure loss, high efficiency and low fuel consumption.
- ◆ Centralized maintenance, centralized lubrication, on-ground maintenance, and the maintenance is more convenient.



ENGINE		UNIT	SWE100E
Working weight		kg	9200
Capacity of bucket		m ³	0.4
Engine	Brand		KUBOTA
	Type		V3800-DI-T-ET09
	Rated output power	kW/rpm	60.7/2200
Dimension parameters	A Transportation length	mm	6470
	B Transportation height	mm	2660
	C Total width	mm	2320
	D Counterweight ground clearance	mm	845
	E Min. ground clearance	mm	370
	F Tail slewing radius	mm	1870
	G Ground contact length of track	mm	2560
	H Track length	mm	3225
	I Track gauge	mm	1870
	J Track width	mm	2320
	K Creeper tread width	mm	450
	L Cab height	mm	2660
	M Turntable width	mm	2250
	Scope of work	a Maximum excavation height	mm
b Maximum dumping height		mm	5315
c Maximum digging depth		mm	4372
d Maximum vertical digging depth		mm	3930
e Maximum digging radius		mm	6950
f Maximum digging radius on ground		mm	6800
g Min. slewing radius		mm	2250
Swing arm length		mm	3900
Bucket arm length		mm	1950
Bucket arm digging force		kN	43
Bucket digging force		kN	64.5
Speed (high/low)		km/h	4.5/2.7
Slewing speed		rpm	9
Fuel tank capacity		L	145
Hydraulic fuel tank capacity		L	120



SWE135E-3H



◆ Famous brand engine

The engine of internationally famous brand is adopted, and the emission standards of Tier3 and China III are met at the same time; Large power reserve, strong power, reliable and durable; Large market inventory and intensive after-sales service outlets.

◆ Large displacement main pump

The large displacement main pump of China's first-class brand is adopted. With strong heavy-duty operation capacity, it works more efficiently under medium and light loads Its overall operation efficiency is much better.

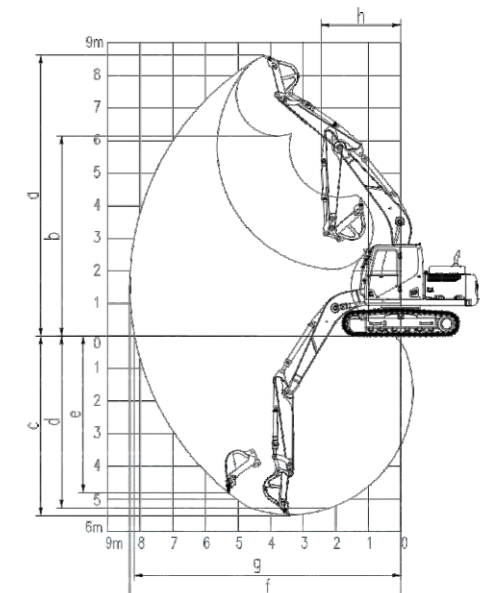
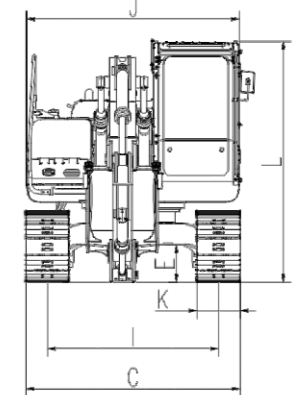
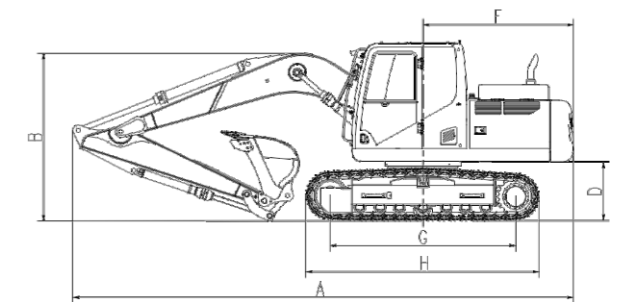
◆ Large drift diameter main valve

Large drift diameter main valve with little pressure loss; It has the functions of confluence regeneration and straight line walking. The small cavity of the bucket arm and the large cavity of the swing arm are equipped with holding valves to prevent them from falling.

◆ Wide applicability

It can optionally equipped with dozer blade and crushing hammer, applicable to various working conditions.

ENGINE		UNIT	SWE135E-3H
Working weight		kg	13980
Capacity of bucket		m ³	0.6
Engine	Brand		Cummins
	Type		QSF 3.8
	Rated output power	kW/rpm	86/2200
Dimension parameters	A Transportation length	mm	7840
	B Transportation height	mm	2850
	C Total width	mm	2500
	D Counterweight ground clearance	mm	940
	E Min. ground clearance	mm	410
	F Tail slewing radius	mm	2355
	G Ground contact length of track	mm	2915
	H Track length	mm	3650
	I Track gauge	mm	2000
	J Turntable width	mm	2490
	K Creeper tread width	mm	500
	L Cab height	mm	2850
Scope of work	a Maximum excavation height	mm	8640
	b Maximum dumping height	mm	6145
	c Maximum digging depth	mm	5525
	d Digging depth (2.44 m horizontally)	mm	5320
	e Maximum vertical digging depth	mm	4930
	f Maximum digging distanceground	mm	8330
	g Maximum digging distance on	mm	8185
	h Minimum front slewing radius	mm	2530
Swing arm length		mm	4600
Bucket arm length		mm	2500
Bucket arm digging force		kN	76
Bucket digging force		kN	100
Speed (high/low)		km/h	6.0/3.5
Slewing speed		rpm	11
Fuel tank capacity		L	245
Hydraulic fuel tank capacity		L	150





SWE150E



◆ High power engine

The engine of internationally famous brand is adopted, with large power reserve, strong power, high reliability and durability.

◆ Convenient maintenance

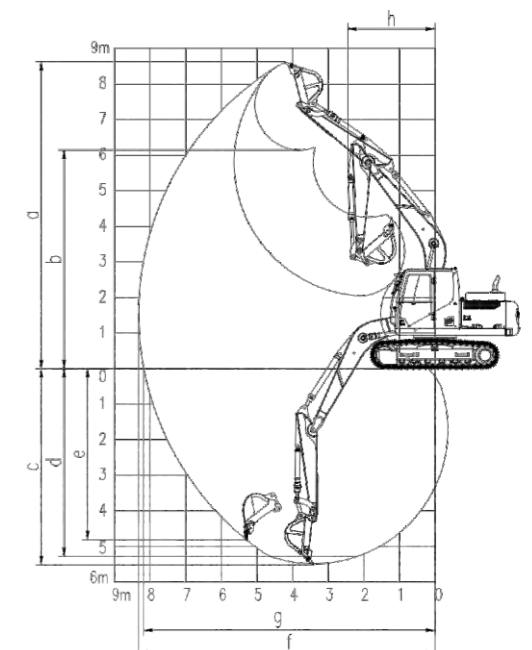
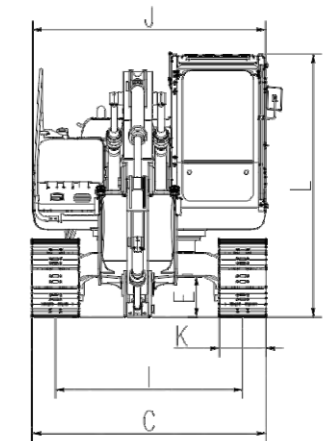
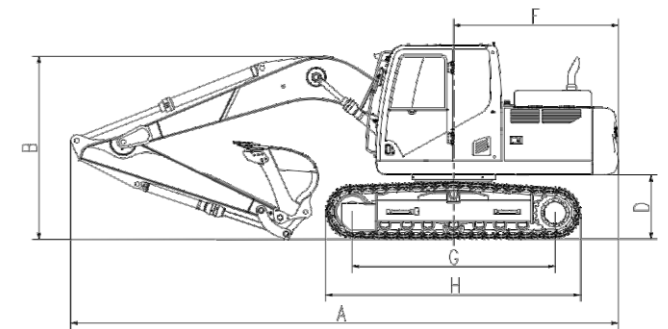
It is equipped with grease lubricated sealed track chain, which has long service life and is free from maintenance; 4 large filter elements are centrally arranged for easy maintenance and large maintenance space.

◆ Wider applicability

It can be optionally equipped with dozer blade and a variety of accessories, with wider applicability.

◆ Mature and reliable imported hydraulic system

Strong comprehensive operation ability and high efficiency



ENGINE		UNIT	SWE150E
Working weight		kg	14800
Capacity of bucket		m ³	0.6
Engine	Brand		ISUZU
	Type		GI-4JJIXKSC
	Rated output power	kW/rpm	86/2200
Dimension parameters	A Transportation length	mm	7840
	B Transportation height	mm	2850
	C Total width	mm	2500
	D Counterweight ground clearance	mm	940
	E Min. ground clearance	mm	410
	F Tail slewing radius	mm	2355
	G Ground contact length of track	mm	2915
	H Track length	mm	3650
	I Track gauge	mm	2000
	J Turntable width	mm	2490
	K Creeper tread width	mm	500
	L Cab height	mm	2850
Scope of work	a Maximum excavation height	mm	8640
	b Maximum dumping height	mm	6145
	c Maximum digging depth	mm	5525
	d Digging depth (2.44 m horizontally)	mm	5320
	e Maximum vertical digging depth	mm	4930
	f Maximum digging distance ground	mm	8330
	g Maximum digging distance on	mm	8185
	h Minimum front slewing radius	mm	2530
Swing arm length		mm	4600
Bucket arm length		mm	2500
Bucket arm digging force		kN	76
Bucket digging force		kN	100
Speed (high/low)		km/h	5.4/3.3
Slewing speed		rpm	11
Fuel tank capacity		L	245
Hydraulic fuel tank capacity		L	150



SWE155E-3H



◆ **High power engine**

The engine of internationally famous brand is adopted, with large power reserve, strong power, high reliability and durability.

◆ **Convenient maintenance**

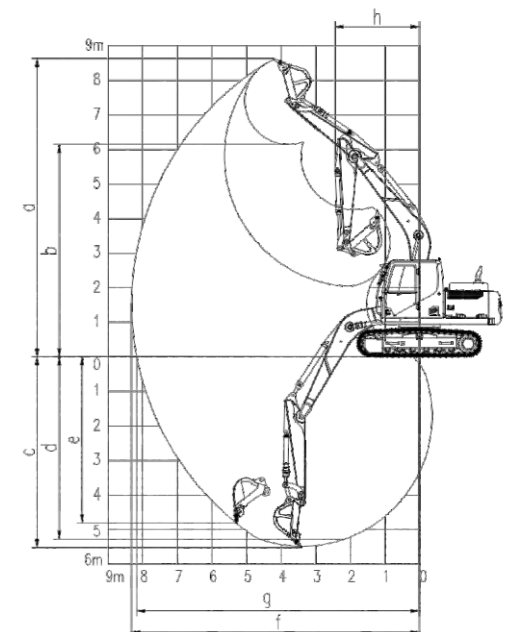
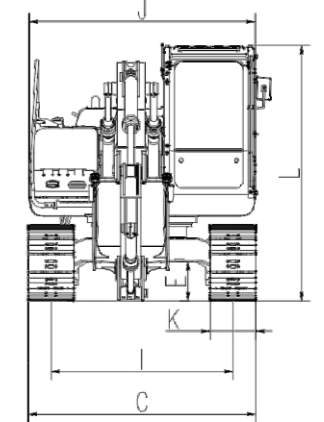
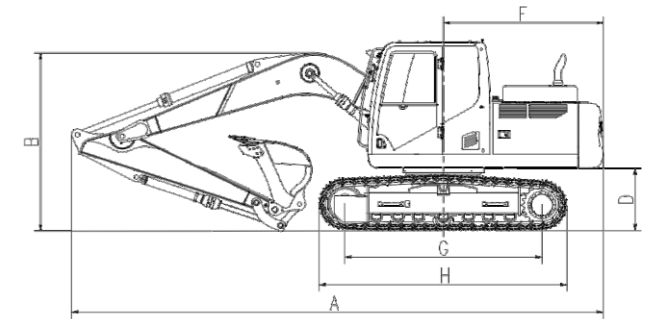
It is equipped with grease lubricated sealed track chain, which has long service life and is free from maintenance; 4 large filter elements are centrally arranged for easy maintenance and large maintenance space.

◆ **Wider applicability**

It can be optionally equipped with dozer blade and a variety of accessories, with wider applicability.

◆ **Mature and reliable imported hydraulic system**

Strong comprehensive operation ability and high efficiency.



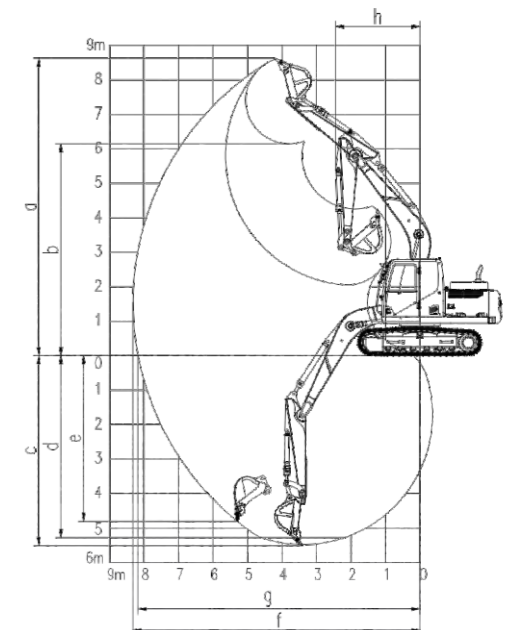
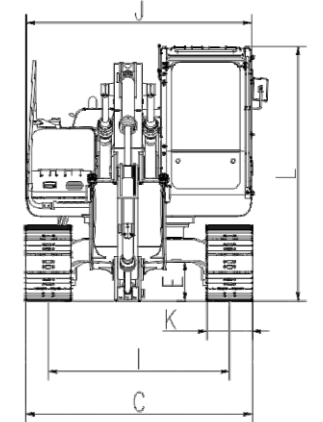
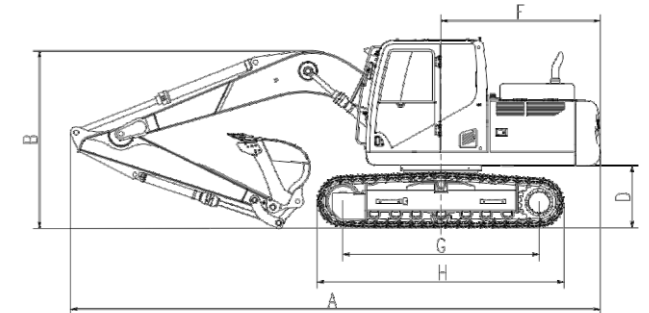
ENGINE		UNIT	SWE155E-3H
Working weight		kg	14800
Capacity of bucket		m ³	0.7
Engine	Brand		Cummins
	Type		QSF3.8
	Rated output power	kW/rpm	93/2200
Dimension parameters	A Transportation length	mm	7840
	B Transportation height	mm	2850
	C Total width	mm	2500
	D Counterweight ground clearance	mm	940
	E Min. ground clearance	mm	410
	F Tail slewing radius	mm	2355
	G Ground contact length of track	mm	2915
	H Track length	mm	3650
	I Track gauge	mm	2000
	J Turntable width	mm	2490
	K Creeper tread width	mm	500
	L Cab height	mm	2850
Scope of work	a Maximum excavation height	mm	8640
	b Maximum dumping height	mm	6145
	c Maximum digging depth	mm	5525
	d Digging depth (2.44 m horizontally)	mm	5320
	e Maximum vertical digging depth	mm	4930
	f Maximum digging distanceground	mm	8330
	g Maximum digging distance on	mm	8185
	h Minimum front slewing radius	mm	2530
Swing arm length		mm	4600
Bucket arm length		mm	2500
Bucket arm digging force		kN	76
Bucket digging force		kN	100
Speed (high/low)		km/h	5.5/3.2
Slewing speed		rpm	11
Fuel tank capacity		L	245
Hydraulic fuel tank capacity		L	150



SWE155F



- ◆ **Customized engine**
Excavator engine of internationally famous brand is adopted; It meets EU Stage5 and Tier 4F emission standards at the same time; Large power reserve, strong power, highly reliable and durable.
- ◆ **Convenient maintenance**
It is equipped with grease lubricated sealed track chain, which has long service life and is free from maintenance; 4 large filter elements are centrally arranged for easy maintenance and large maintenance space.
- ◆ **Wider applicability**
It can be optionally equipped with dozer blade and a variety of accessories, with wider applicability.
- ◆ **Mature and reliable imported hydraulic system**
Strong comprehensive operation ability and high efficiency.



ENGINE		UNIT	SWE155F
Working weight		kg	15200
Capacity of bucket		m ³	0.7
Engine	Brand		Cummins
	Type		QSF 3.8
	Rated output power	kW/rpm	90/2200
Dimension parameters	A Transportation length	mm	7840
	B Transportation height	mm	2850
	C Total width	mm	2500
	D Counterweight ground clearance	mm	940
	E Min. ground clearance	mm	410
	F Tail slewing radius	mm	2355
	G Ground contact length of track	mm	2915
	H Track length	mm	3650
	I Track gauge	mm	2000
	J Turntable width	mm	2490
	K Creeper tread width	mm	500
	L Cab height	mm	2850
	Scope of work	a Maximum excavation height	mm
b Maximum dumping height		mm	6145
c Maximum digging depth		mm	5525
d Digging depth (2.44 m horizontally)		mm	5320
e Maximum vertical digging depth		mm	4930
f Maximum digging distanceground		mm	8330
g Maximum digging distance on		mm	8185
h Minimum front slewing radius		mm	2530
Swing arm length		mm	4600
Bucket arm length		mm	2500
Bucket arm digging force		kN	76
Bucket digging force		kN	100
Speed (high/low)		km/h	5.1/3.2
Slewing speed		rpm	11
Fuel tank capacity		L	245
Hydraulic fuel tank capacity		L	150



SWE205E-3H



◆ High adaptability of oil products

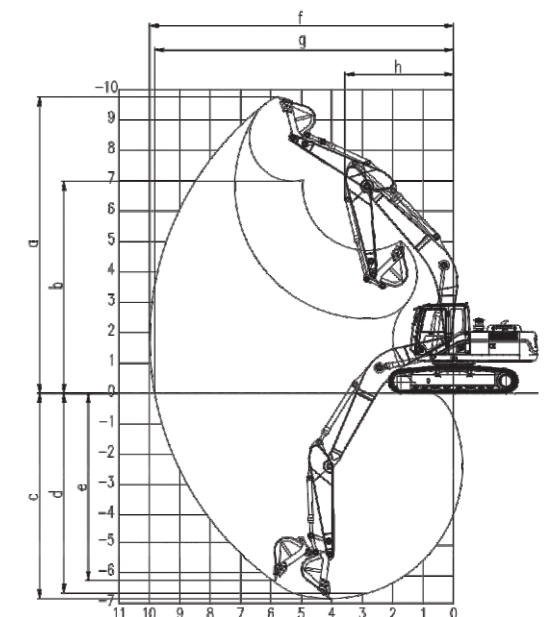
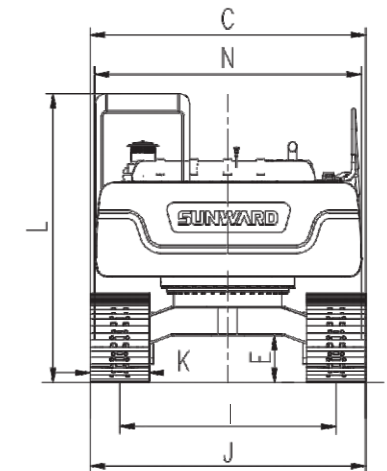
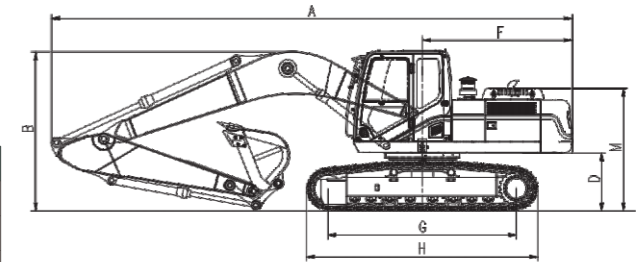
The high-power engine of China's well-known brand verified by the market for 15 years is adopted, with large power reserve and strong power. Due to its unique structure, the use of various grades of oil products will not affect the efficiency and equipment life.

◆ Ultra low maintenance cost

China III equipment with China II maintenance cost-single pump mechanical injector.

◆ High cost-performance ratio

It is a cost-effective machine developed based on the 30-ton upper carriage, with excellent performance, powerful appearance, and stable operation.



ENGINE		UNIT	SWE205E-3H
Working weight		kg	22100
Capacity of bucket		m ³	1
Engine	Brand		Jiefang Power
	Type		BF6M
	Rated output power	kW/rpm	125/2200
Dimension parameters	A Transportation length	mm	9570
	B Transportation height	mm	2970
	C Total width	mm	2990
	D Counterweight ground clearance	mm	1060
	E Min. ground clearance	mm	478
	F Tail slewing radius	mm	2750
	G Ground contact length of track	mm	3465
	H Track length	mm	4260
	I Track gauge	mm	2390
	J Track width	mm	2990
	K Creeper tread width	mm	600
	L Cab height	mm	2970
	M Hood height	mm	2250
	N Turntable width	mm	2710
Scope of work	a Maximum excavation height	mm	9750
	b Maximum dumping height	mm	6980
	c Maximum digging depth	mm	6750
	d Digging depth (2.44 mhorizontally)	mm	6560
	e Maximum vertical digging depth	mm	5900
	f Maximum digging distance	mm	9940
	g Maximum digging distance on ground	mm	9775
	h Minimum front slewing radius	mm	3560
Swing arm length		mm	5700
Bucket arm length		mm	2920
Bucket arm digging force		kN	110
Bucket digging force		kN	155
Speed (high/low)		km/h	5.0/3.2
Slewing speed		rpm	11.5
Fuel tank capacity		L	385
Hydraulic fuel tank capacity		L	290



SWE210



◆ ELAC self-adaptive control technology

The self-developed ELAC load self-adaptive control technology ensures the optimal power and economic performance of the engine.

◆ Slewing flow self-matching technology

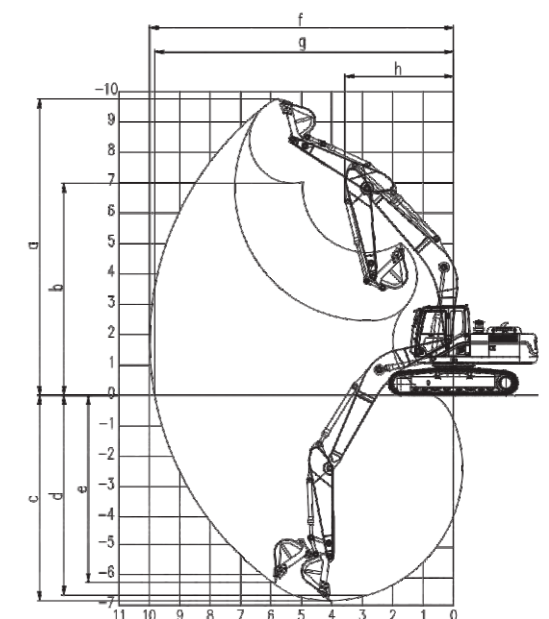
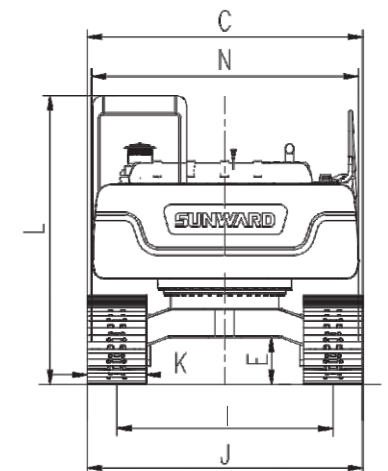
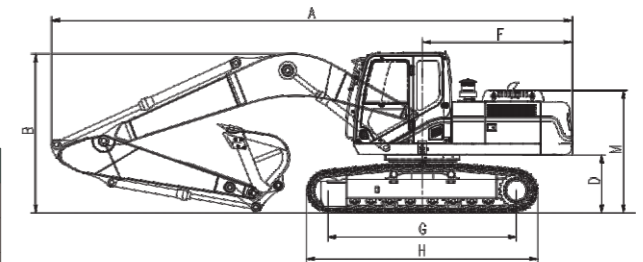
The patented slewing flow self-matching technology reduces the energy loss of slewing.

◆ High altitude adaptability

Below the altitude of 4,000 m, the digging efficiency does not decay under any working conditions.

◆ Double-arc bucket

Loading capacity in every circle is increased by 10%.



ENGINE		UNIT	SWE210
Working weight		kg	21300
Capacity of bucket		m ³	1
Engine	Brand		ISUZU
	Type		6BGITRP-03
	Rated output power	kW/rpm	110/2100
Dimension parameters	A Transportation length	mm	9570
	B Transportation height	mm	2945
	C Total width	mm	2990
	D Counterweight ground clearance	mm	1060
	E Min. ground clearance	mm	470
	F Tail slewing radius	mm	2750
	G Ground contact length of track	mm	3465
	H Track length	mm	4260
	I Track gauge	mm	2200
	J Track width	mm	2990
	K Creeper tread width	mm	600
	L Cab height	mm	2965
	M Hood height	mm	2250
	N Turntable width	mm	2710
Scope of work	a Maximum excavation height	mm	9740
	b Maximum dumping height	mm	6980
	c Maximum digging depth	mm	6690
	d Digging depth (2.44 mhorizontally)	mm	6560
	e Maximum vertical digging depth	mm	6500
	f Maximum digging distance	mm	9950
	g Maximum digging distance on ground	mm	9785
	h Minimum front slewing radius	mm	3560
Swing arm length		mm	5700
Bucket arm length		mm	2920
Bucket arm digging force		kN	110
Bucket digging force		kN	154
Speed (high/low)		km/h	5.0/3.2
Slewing speed		rpm	11.5
Fuel tank capacity		L	370
Hydraulic fuel tank capacity		L	250

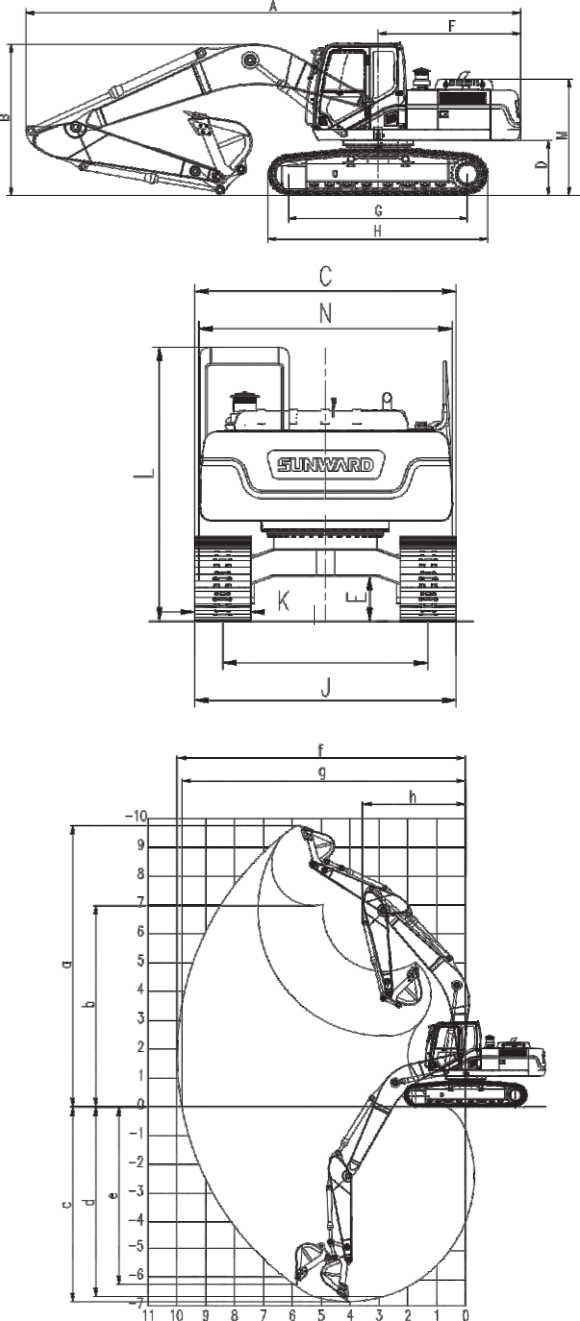


SWE215E-3H



- ◆ **High comprehensive cost-performance ratio**
The engine of internationally famous brand and the hydraulic system of Chinese famous brand are adopted.
- ◆ **Enlarged torque**
The torque of its high-power engine is greater than that of its competitors, which provides strong power for excavation, rapid response and sufficient power reserve.
- ◆ **Reliable and durable structural parts**
The heavy-duty swing arm, bucket arm and slewing platform designed according to the standards of large excavator have better reliability.
- ◆ **Reinforced underframe**
The reinforced and enlarged large box walking frame has large antitorque moment and high stability; The integral ring forged seat circle and heavy sprocket, track roller, carrier roller, idler, and track system have better bearing capacity.

ENGINE		UNIT	SWE215E-3H
Working weight		kg	21300
Capacity of bucket		m ³	1
Engine	Brand		Cummins
	Type		QSB7
	Rated output power	kW/rpm	124/2050
Dimension parameters	A Transportation length	mm	9570
	B Transportation height	mm	2970
	C Total width	mm	2990
	D Counterweight ground clearance	mm	1060
	E Min. ground clearance	mm	478
	F Tail slewing radius	mm	2750
	G Ground contact length of track	mm	3465
	H Track length	mm	4260
	I Track gauge	mm	2390
	J Track width	mm	2990
	K Creeper tread width	mm	600
	L Cab height	mm	2960
	M Hood height	mm	2250
	N Turntable width	mm	2830
Scope of work	a Maximum excavation height	mm	9750
	b Maximum dumping height	mm	6980
	c Maximum digging depth	mm	6750
	d Digging depth (2.44 mhorizontally)	mm	6560
	e Maximum vertical digging depth	mm	5900
	f Maximum digging distance	mm	9940
	g Maximum digging distance on ground	mm	9775
	h Minimum front slewing radius	mm	3560
Swing arm length		mm	5700
Bucket arm length		mm	2920
Bucket arm digging force		kN	110
Bucket digging force		kN	155
Speed (high/low)		km/h	5.2/3.3
Slewing speed		rpm	11.8
Fuel tank capacity		L	370
Hydraulic fuel tank capacity		L	250





SWE215F



◆ High standard emission engine

It meets EU Stage5 and Tier 4F emission standards at the same time.

◆ Matching technology with independent intellectual property rights

It ensures the optimal power and economic performance of the engine.

◆ Energy saving priority

According to the special working conditions of the excavator, the supercharger, injector, piston (optimized combustion chamber) and fuel pulse spectrum are rematched and optimized, so that the fuelconsumption of the engine is greatly reduced.

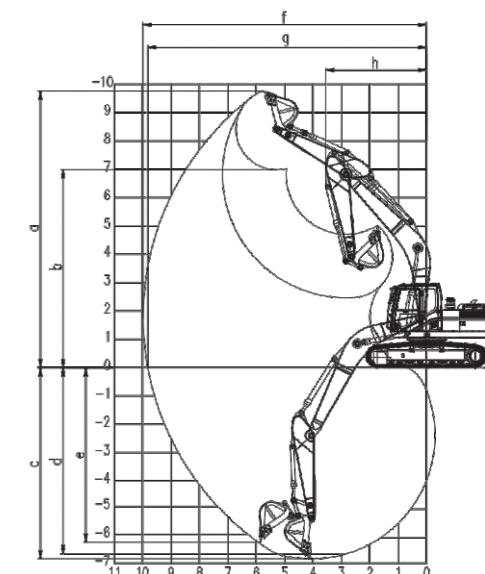
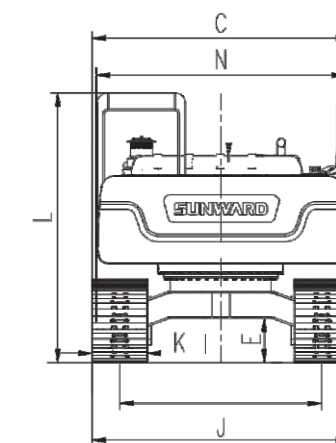
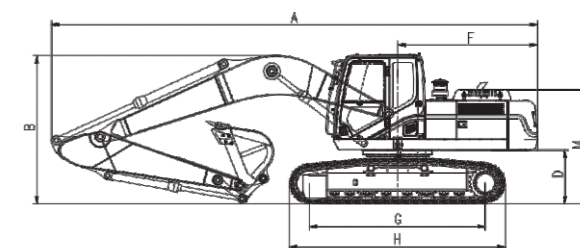
◆ Enlarged torque

The torque of its high-power engine is greater than that of its competitors, which provides strong power for excavation, rapid response and sufficient power reserve.

◆ Safety first

Water temperature monitoring, oil pressure/oil level monitoring, air inlet temperature monitoring, engine speed monitoring, water in fuel alarm, and motor protection.

ENGINE		UNIT	SWE215F
Working weight		kg	21800
Capacity of bucket		m ³	0.8~1.1
Engine	Brand		Cummins
	Type		QSB6.7
	Rated output power	kW/rpm	129/2200
Dimension parameters	A Transportation length	mm	9570
	B Transportation height	mm	2945
	C Total width	mm	2990
	D Counterweight ground clearance	mm	1060
	E Min. ground clearance	mm	478
	F Tail slewing radius	mm	2750
	G Ground contact length of track	mm	3465
	H Track length	mm	4260
	I Track gauge	mm	2200
	J Track width	mm	2800
	K Creeper tread width	mm	600
	L Cab height	mm	2970
	M Hood height	mm	2320
	N Turntable width	mm	1280
Scope of work	a Maximum excavation height	mm	9750
	b Maximum dumping height	mm	6980
	c Maximum digging depth	mm	6750
	d Digging depth (2.44 mhorizontally)	mm	6560
	e Maximum vertical digging depth	mm	5900
	f Maximum digging distance	mm	9940
	g Maximum digging distance on ground	mm	9775
	h Minimum front slewing radius	mm	3560
Swing arm length		mm	5700
Bucket arm length		mm	2920
Bucket arm digging force		kN	110
Bucket digging force		kN	155
Speed (high/low)		km/h	5.2/3.3
Slewing speed		rpm	11.8
Fuel tank capacity		L	370
Hydraulic fuel tank capacity		L	250



SWE225E-3H

◆ Overall system monitoring

Water temperature monitoring, oil pressure/oil level monitoring, air inlet temperature monitoring, engine speed monitoring, water in fuel alarm and motor protection.

◆ Wider applicability

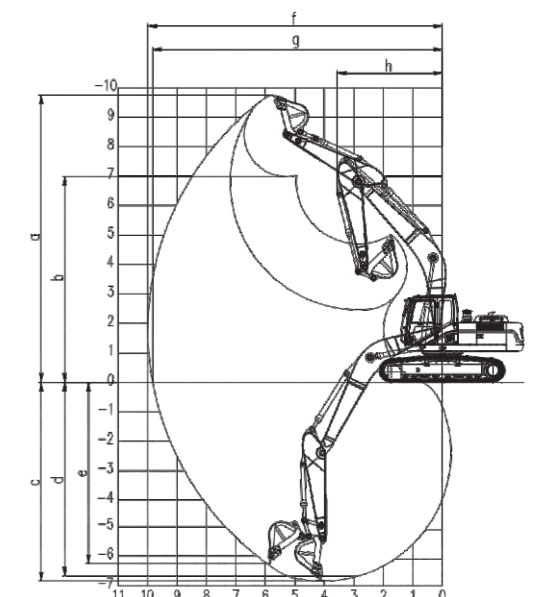
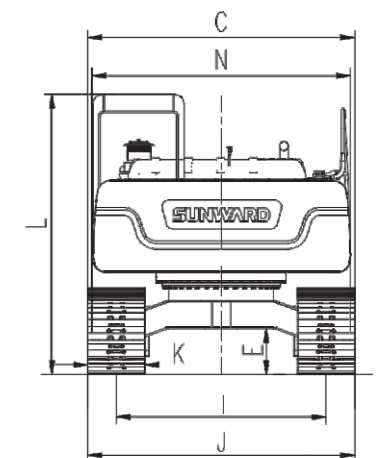
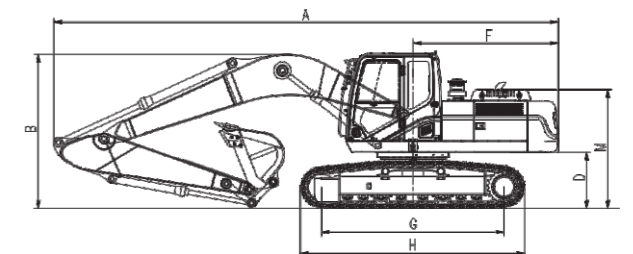
It can be optionally equipped with dozer blade and a variety of accessories, with wider applicability.

◆ Mature and reliable imported hydraulic system

Strong comprehensive operation ability and high efficiency.

◆ Self-adaptive control technology, high efficiency and energy saving

Our self-developed load self-adaptive control technology is applied, which can dynamically coordinate and control the engine and the hydraulic pump, greatly improve the power utilization of the hydraulic system while ensuring the economic performance of the engine fuel, and make the excavation operation efficient and fuelsaving.



ENGINE		UNIT	SWE225E-3H
Working weight		kg	22400
Capacity of bucket		m ³	1.1
Engine	Brand		Cummins
	Type		QSB7
	Rated output power	kW/rpm	124/2050
Dimension parameters	A Transportation length	mm	9570
	B Transportation height	mm	2970
	C Total width	mm	2990
	D Counterweight ground clearance	mm	1060
	E Min. ground clearance	mm	478
	F Tail slewing radius	mm	2750
	G Ground contact length of track	mm	3465
	H Track length	mm	4260
	I Track gauge	mm	2390
	J Track width	mm	2990
	K Creeper tread width	mm	600
	L Cab height	mm	2960
	M Hood height	mm	2710
	N Turntable width	mm	2830
Scope of work	a Maximum excavation height	mm	9750
	b Maximum dumping height	mm	6980
	c Maximum digging depth	mm	6750
	d Digging depth (2.44 mhorizontally)	mm	6560
	e Maximum vertical digging depth	mm	5900
	f Maximum digging distance	mm	9940
	g Maximum digging distance on ground	mm	9775
	h Minimum front slewing radius	mm	3560
Swing arm length		mm	5700
Bucket arm length		mm	2920
Bucket arm digging force		kN	110
Bucket digging force		kN	155
Speed (high/low)		km/h	5.2/3.3
Slewing speed		rpm	11.8
Fuel tank capacity		L	370
Hydraulic fuel tank capacity		L	250

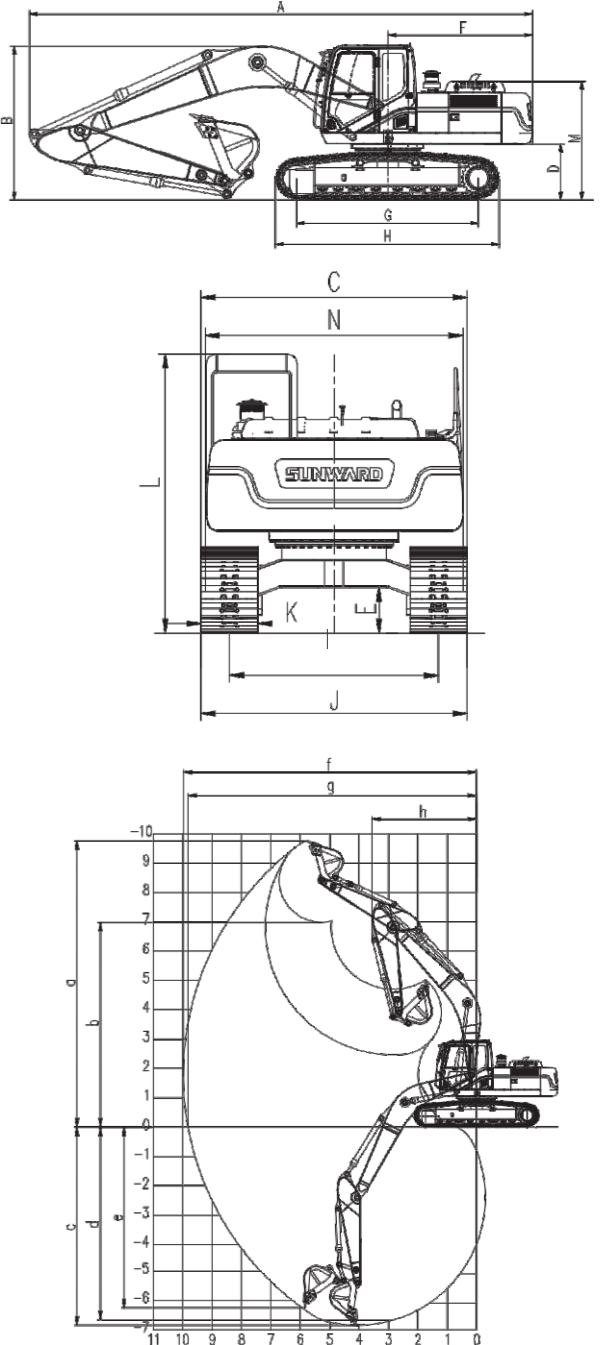


SWE235E-3H



- ◆ High security**
 Anti-collision boundary beam is provided, and front guardrail, front guard net and top guardrail are optional.
- ◆ High torque motor**
 The high-efficiency high torque motor is adopted, the slewing torque of the machine is increased by 12%, and the slewing speed is faster, so as to ensure the efficiency of the excavator under severe working conditions.
- ◆ Highly reliable chassis assembly**
 Reinforced and lengthened chassis assembly, with better stability. Sprocket, track roller, carrier roller, idler, and track system of wellknown Chinese brand, reliable and durable.
- ◆ Super large bucket capacity**
 Double-line enlarged bucket capacity, small excavation resistance and high operation efficiency.

ENGINE		UNIT	SWE235E-3H
Working weight		kg	22800
Capacity of bucket		m ³	1.2
Engine	Brand		Cummins
	Type		QSB7
	Rated output power	kW/rpm	140/2050
Dimension parameters	A Transportation length	mm	9520
	B Transportation height	mm	3130
	C Total width	mm	2990
	D Counterweight ground clearance	mm	1060
	E Min. ground clearance	mm	478
	F Tail slewing radius	mm	2750
	G Ground contact length of track	mm	3653
	H Track length	mm	4447
	I Track gauge	mm	2390
	J Track width	mm	2990
	K Creeper tread width	mm	600
	L Cab height	mm	2960
	M Hood height	mm	2250
	N Turntable width	mm	2710
Scope of work	a Maximum excavation height	mm	9815
	b Maximum dumping height	mm	6925
	c Maximum digging depth	mm	6690
	d Digging depth (2.44 mhorizontally)	mm	6055
	e Maximum vertical digging depth	mm	5740
	f Maximum digging distance	mm	9670
	g Maximum digging distance on ground	mm	9500
	h Minimum front slewing radius	mm	3630
Swing arm length		mm	5700
Bucket arm length		mm	2920
Bucket arm digging force		kN	115
Bucket digging force		kN	155
Speed (high/low)		km/h	5.6/3.5
Slewing speed		rpm	13.4
Fuel tank capacity		L	370
Hydraulic fuel tank capacity		L	250





SWE335F



◆ High-end and luxury

F-series new coating, the whole machine is grand and magnificent, beautiful and powerful; Isuzu GH-6HK1 engine, top power configuration, large displacement reserve hydraulic system, easy to control under heavy load working conditions; Brand-new cab with large field of vision, equipped with 8-inch high-definition LCD screen, easy for operation and maintenance; Rear view camera, 360° without dead angles; Super large toolbox for your convenience.

◆ Durable

The bearing capacity of the taller and longer chassis system can reach 36t, securing the construction and operation under harsh conditions; the structural parts of the working device are designed in line with the mine-type configuration of large excavators, which is unstoppable.

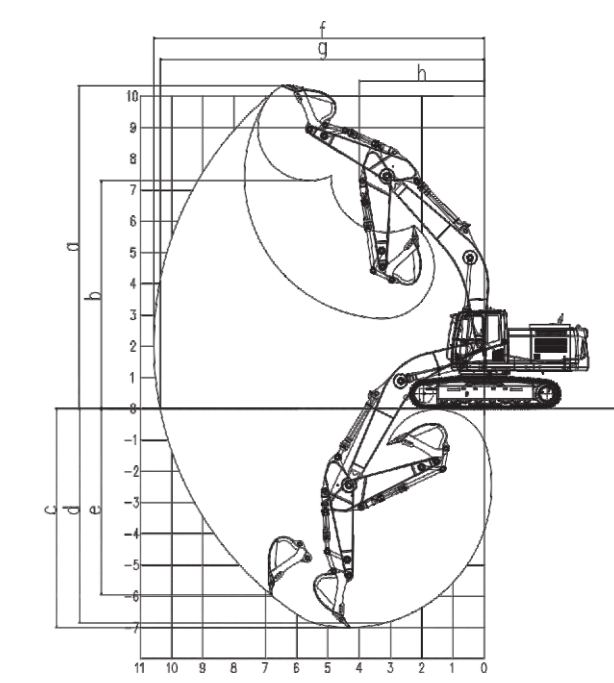
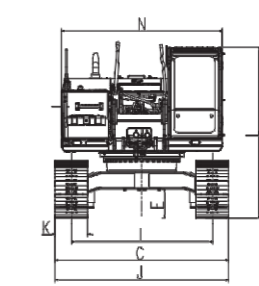
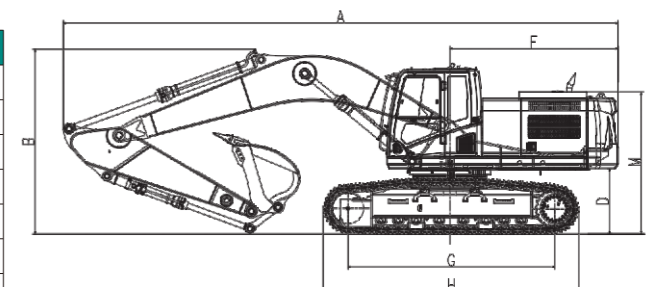
◆ Efficiency doubling

Independent innovation control technology, convenient and efficient; Equipped with 1.7m³ large capacity hyperbolic reinforced bucket, with high efficiency.

◆ Multifunctional

The support of crushing system is provided, which is convenient for customers to install crushing hammer.

ENGINE		UNIT	SWE335F
Working weight		kg	32800
Capacity of bucket		m ³	1.6~1.7
Engine	Brand		ISUZU
	Type		GH-6HK1
	Rated output power	kW/rpm	212/2000
Dimension parameters	A Transportation length	mm	10545
	B Transportation height	mm	3490
	C Total width	mm	3190
	D Counterweight ground clearance	mm	1235
	E Min. ground clearance	mm	530
	F Tail slewing radius	mm	3250
	G Ground contact length of track	mm	3930
	H Track length	mm	4860
	I Track gauge	mm	2590
	J Track width	mm	3190
	K Creeper tread width	mm	600
	L Cab height	mm	3230
	M Hood height	mm	2690
	N Turntable width	mm	3110
Scope of work	a Maximum excavation height	mm	10350
	b Maximum dumping height	mm	7300
	c Maximum digging depth	mm	7000
	d Digging depth (2.44 mhorizontally)	mm	6860
	e Maximum vertical digging depth	mm	5900
	f Maximum digging distance	mm	10525
	g Maximum digging distance on ground	mm	10320
	h Minimum front slewing radius	mm	3955
Swing arm length		mm	6150
Bucket arm length		mm	2900
Bucket arm digging force		kN	170
Bucket digging force		kN	220
Speed (high/low)		km/h	5.8/3.6
Slewing speed		rpm	11.42
Fuel tank capacity		L	520
Hydraulic fuel tank capacity		L	400

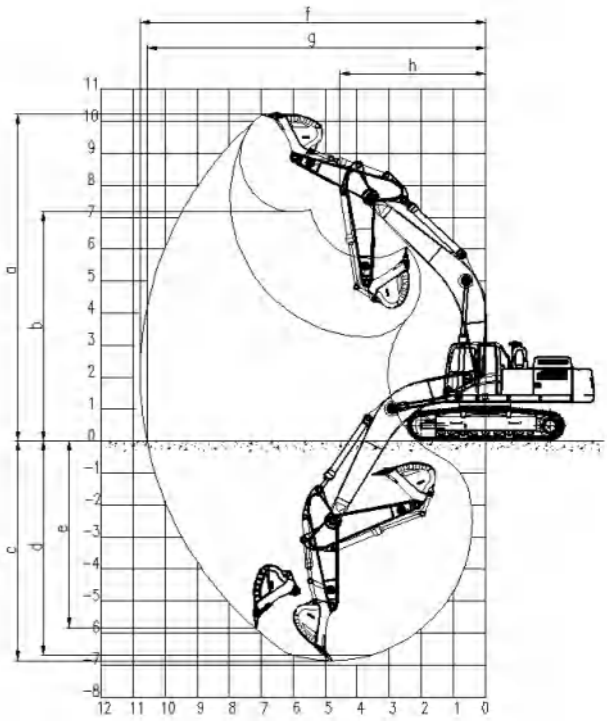
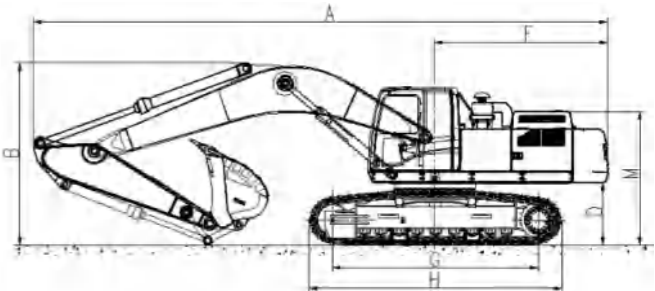




SWE365E



- ◆ Tier II emission engine with maximum power and stronger power.
- ◆ Large drift diameter KYB400 valve, with its flow capacity increased by 56%.
- ◆ The left and right integrated welded anti collision boundary beams are equipped.
- ◆ The digging force is greater that of other excavators of the same tonnage.
- ◆ Heavy 6.5 m swing arm + heavy 2.9 m bucket arm, good reliability.
- ◆ A 1.8 m³ hyperbolic rock bucket is equipped.



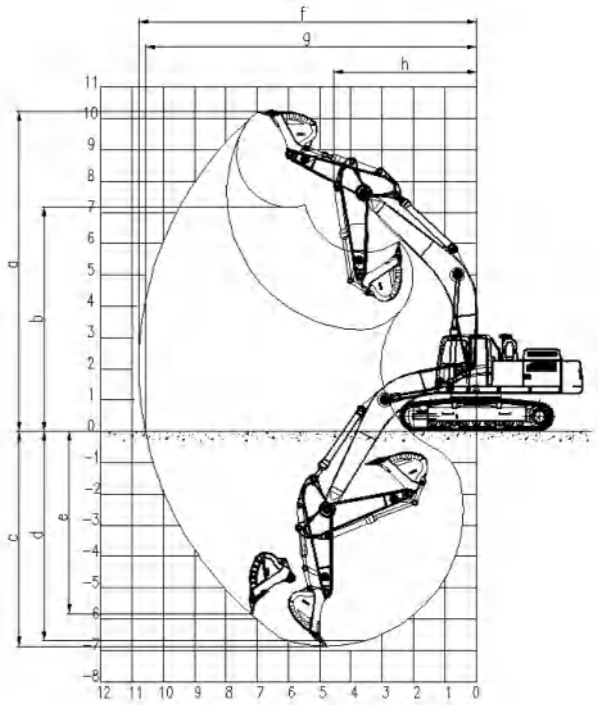
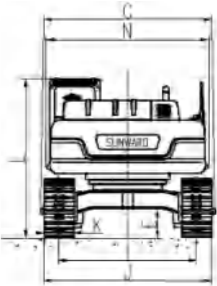
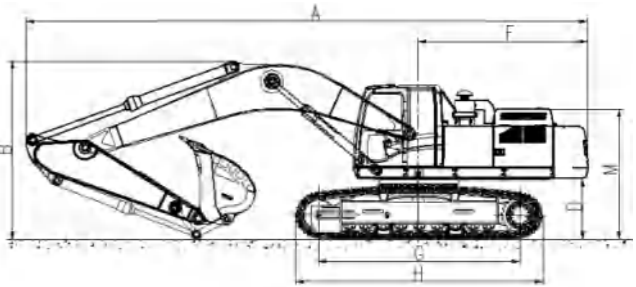
ENGINE		UNIT	SWE365E
Working weight		kg	36800
Capacity of bucket		m ³	1.8
Engine	Brand		ISUZU
	Type		AA-6HK1XQP
	Rated output power	kW/rpm	190.5/2000
Dimension parameters	A Transportation length	mm	11100
	B Transportation height	mm	3400
	C Total width	mm	3190
	D Counterweight ground clearance	mm	1200
	E Min. ground clearance	mm	537
	F Tail slewing radius	mm	3300
	G Ground contact length of track	mm	4030
	H Track length	mm	4945
	I Track gauge	mm	2590
	J Track width	mm	3190
	K Creeper tread width	mm	600
	L Cab height	mm	3080
	M Hood height	mm	2675
	N Turntable width	mm	2960
Scope of work	a Maximum excavation height	mm	10525
	b Maximum dumping height	mm	7450
	c Maximum digging depth	mm	7455
	d Digging depth (2.44 mhorizontally)	mm	7280
	e Maximum vertical digging depth	mm	6920
	f Maximum digging distance	mm	11330
	g Maximum digging distance on ground	mm	11130
	h Minimum front slewing radius	mm	4425
Swing arm length		mm	6500
Bucket arm length		mm	2900
Bucket arm digging force		kN	168
Bucket digging force		kN	250
Speed (high/low)		km/h	5.8/3.6
Slewing speed		rpm	9.1
Fuel tank capacity		L	650
Hydraulic fuel tank capacity		L	320



SWE365E-3H



- ◆ Tier III emission engine with maximum power and stronger power.
- ◆ Large drift diameter KYB400 valve, with its flow capacity increased by 56%.
- ◆ The left and right integrated welded anti collision boundary beams are equipped as standard.
- ◆ The digging force is greater that of other excavators of the same tonnage.
- ◆ Heavy 6.5 m swing arm + heavy 2.9 m bucket arm, good reliability.
- ◆ A 1.8 m³ hyperbolic rock bucket is equipped.



ENGINE		UNIT	SWE365E-3H
Working weight		kg	36800
Capacity of bucket		m ³	1.8
Engine	Brand		CUMMINS
	Type		QSL9-305T3
	Rated output power	kW/rpm	214/2100
Dimension parameters	A Transportation length	mm	11200
	B Transportation height	mm	3495
	C Total width	mm	3190
	D Counterweight ground clearance	mm	1200
	E Min. ground clearance	mm	537
	F Tail slewing radius	mm	3445
	G Ground contact length of track	mm	4025
	H Track length	mm	4940
	I Track gauge	mm	2590
	J Track width	mm	3190
	K Creeper tread width	mm	600
	L Cab height	mm	3080
	M Hood height	mm	2665
	N Turntable width	mm	3110
Scope of work	a Maximum excavation height	mm	10390
	b Maximum dumping height	mm	7310
	c Maximum digging depth	mm	7095
	d Digging depth (2.44 mhorizontally)	mm	6925
	e Maximum vertical digging depth	mm	5825
	f Maximum digging distance	mm	10940
	g Maximum digging distance on ground	mm	10725
	h Minimum front slewing radius	mm	4460
Swing arm length		mm	6500
Bucket arm length		mm	2900
Bucket arm digging force		kN	198
Bucket digging force		kN	253
Speed (high/low)		km/h	5.8/3.6
Slewing speed		rpm	9.1
Fuel tank capacity		L	650
Hydraulic fuel tank capacity		L	320

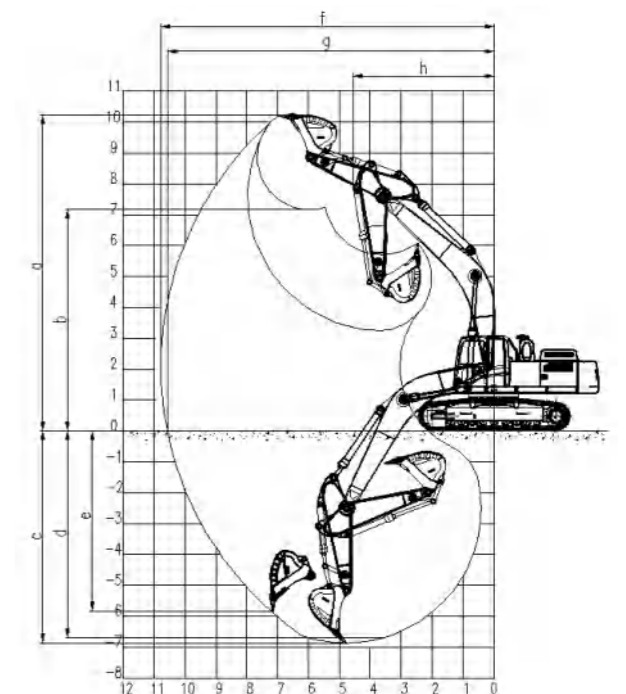
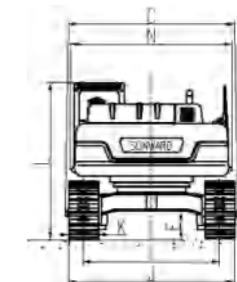
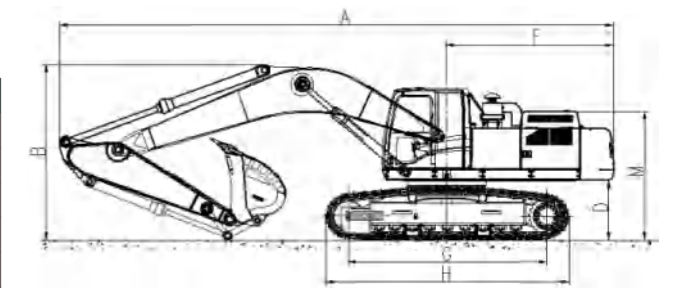


SWE365F



- ◆ The high-standard emission engine meets EU Stage5 and Tier 4F emission standards at the same time.
- ◆ Large drift diameter KYB400 valve, with its flow capacity increased by 56%.
- ◆ The left and right integrated welded anti-collision boundary beams are equipped.
- ◆ The digging force is greater than that of other excavators of the same tonnage.
- ◆ Heavy 6.5 m swing arm + heavy 2.9 m bucket arm, good reliability.
- ◆ A 1.8 m³ hyperbolic rock bucket is equipped.

ENGINE		UNIT	SWE365F
Working weight		kg	35900
Capacity of bucket		m ³	1.6
Engine	Brand		CUMMINS
	Type		QSL9S5-C338
	Rated output power	kW/rpm	252/1800
Dimension parameters	A Transportation length	mm	11170
	B Transportation height	mm	3400
	C Total width	mm	2960
	D Counterweight ground clearance	mm	1190
	E Min. ground clearance	mm	537
	F Tail slewing radius	mm	3380
	G Ground contact length of track	mm	4025
	H Track length	mm	4942
	I Track gauge	mm	2590
	J Track width	mm	3190
	K Creeper tread width	mm	600
	L Cab height	mm	3110
	M Hood height	mm	2665
	N Turntable width	mm	2960
Scope of work	a Maximum excavation height	mm	10515
	b Maximum dumping height	mm	7440
	c Maximum digging depth	mm	7465
	d Digging depth (2.44 mhorizontally)	mm	6925
	e Maximum vertical digging depth	mm	6930
	f Maximum digging distance	mm	11330
	g Maximum digging distance on ground	mm	11130
	h Minimum front slewing radius	mm	4460
Swing arm length		mm	6500
Bucket arm length		mm	2900
Bucket arm digging force		kN	168
Bucket digging force		kN	250
Speed (high/low)		km/h	5.8/3.6
Slewing speed		rpm	9.1
Fuel tank capacity		L	640
Hydraulic fuel tank capacity		L	290



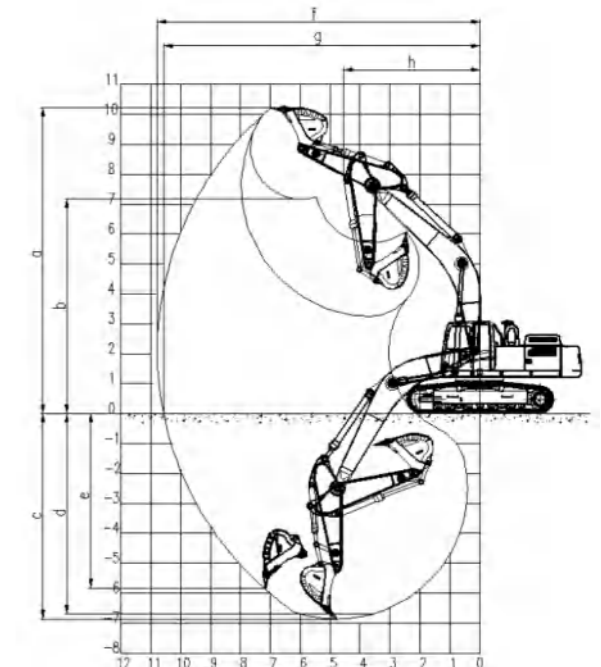
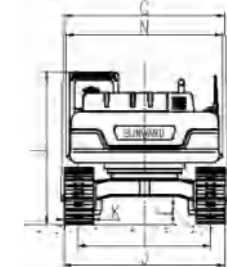
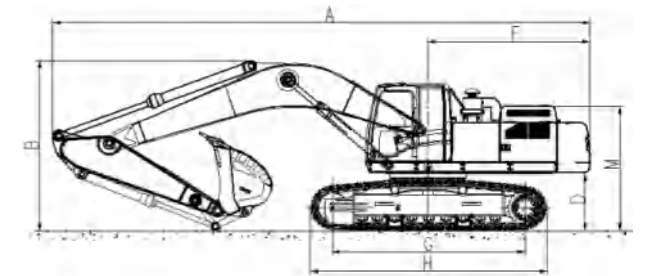


SWE400E-3H



- ◆ The crushing system is equipped. After optimization, it has better adaptability to crushing conditions.
- ◆ Large drift diameter KYB400 valve, with its flow capacity increased by 56%.
- ◆ The left and right integrated welded anti-collision boundary beams are equipped.
- ◆ Heavy 6.5 m swing arm+2.67 m bucket arm, more powerful excavation and higher reliability.
- ◆ A 2.0 m³ large capacity hyperbolic rock bucket is equipped, with larger bucket capacity than that of other excavators of the same tonnage in the industry.
- ◆ 50t chassis system, 5,150x3,340 longer and wider chassis, more stable and more competitive.

ENGINE		UNIT	SWE400E-3H
Working weight		kg	39200
Capacity of bucket		m ³	2
Engine	Brand		cummins
	Type		QSL9-305T3
	Rated output power	kW/rpm	222/2100
Dimension parameters	A Transportation length	mm	11235
	B Transportation height	mm	3565
	C Total width	mm	3340
	D Counterweight ground clearance	mm	1200
	E Min. ground clearance	mm	537
	F Tail slewing radius	mm	3445
	G Ground contact length of track	mm	4245
	H Track length	mm	5181
	I Track gauge	mm	2740
	J Track width	mm	3340
	K Creeper tread width	mm	600
	L Cab height	mm	3100
	M Hood height	mm	2665
	N Turntable width	mm	3110
Scope of work	a Maximum excavation height	mm	10230
	b Maximum dumping height	mm	7180
	c Maximum digging depth	mm	6855
	d Digging depth (2.44 mhorizontally)	mm	6685
	e Maximum vertical digging depth	mm	5470
	f Maximum digging distance	mm	10715
	g Maximum digging distance on ground	mm	10500
	h Minimum front slewing radius	mm	4480
Swing arm length		mm	6500
Bucket arm length		mm	2670
Bucket arm digging force		kN	217
Bucket digging force		kN	253
Speed (high/low)		km/h	5.8/3.6
Slewing speed		rpm	9.1
Fuel tank capacity		L	650
Hydraulic fuel tank capacity		L	320



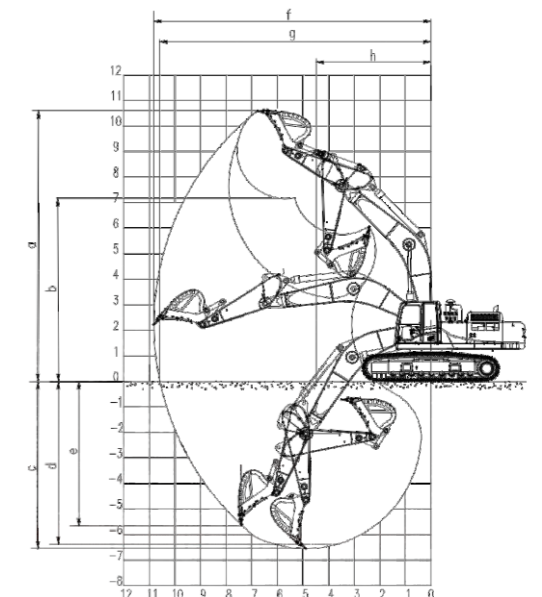
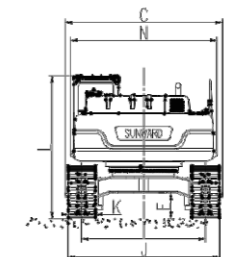
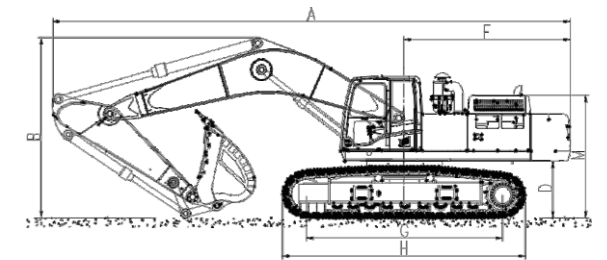


SWE500E-3H



- ◆ Cummins QSM11 engine is adopted, with strong power and reliable performance.
- ◆ With professional crushing circuit system and more reliable crushing operation, it can be equipped with larger models of crushing hammer.
- ◆ Heavy 6.4 m swing arm+heavy 2.9 m bucket arm, with more stable mine construction.
- ◆ A 2.6 m³ hyperbolic rock bucket is equipped.
- ◆ The heavy-duty chassis frame and sprocket, track roller, carrier roller, idler, and track system are adopted, and the chassis full track and full chain guard system is equipped.

ENGINE		UNIT	SWE500E-3H
Working weight		kg	49000
Capacity of bucket		m ³	2.6
Engine	Brand		Cummins
	Type		QSM11
	Rated output power	kW/rpm	280/2000
Dimension parameters	A Transportation length	mm	11450
	B Transportation height	mm	4000
	C Total width	mm	3478
	D Counterweight ground clearance	mm	1250
	E Min. ground clearance	mm	550
	F Tail slewing radius	mm	3670
	G Ground contact length of track	mm	4350
	H Track length	mm	5365
	I Track gauge	mm	2740
	J Track width	mm	3340
	K Creeper tread width	mm	600
	L Cab height	mm	3140
	M Hood height	mm	2715
	N Turntable width	mm	3240
Scope of work	a Maximum excavation height	mm	10745
	b Maximum dumping height	mm	7300
	c Maximum digging depth	mm	6850
	d Digging depth (2.44 mhorizontally)	mm	6695
	e Maximum vertical digging depth	mm	5680
	f Maximum digging distance	mm	11115
	g Maximum digging distance on ground	mm	10890
	h Minimum front slewing radius	mm	4540
Swing arm length		mm	6400
Bucket arm length		mm	2900
Bucket arm digging force		kN	261
Bucket digging force		kN	297
Speed (high/low)		km/h	4.8/3.0
Slewing speed		rpm	8.6
Fuel tank capacity		L	690
Hydraulic fuel tank capacity		L	375





SWE600F



◆ Higher configuration

The high-power engine is equipped with large displacement main pump, suitable for operation under heavy load in mines.

◆ Better maintenance

Humanized maintenance channel, centralized arrangement of maintenance parts, optional centralized lubrication, and more convenient maintenance.

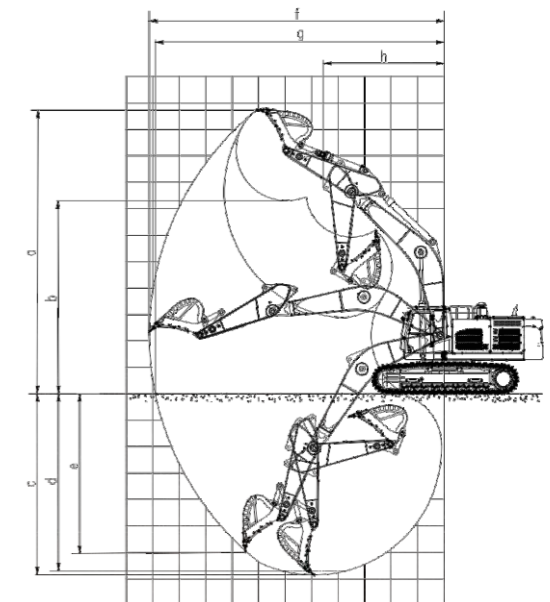
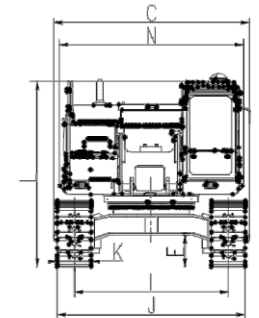
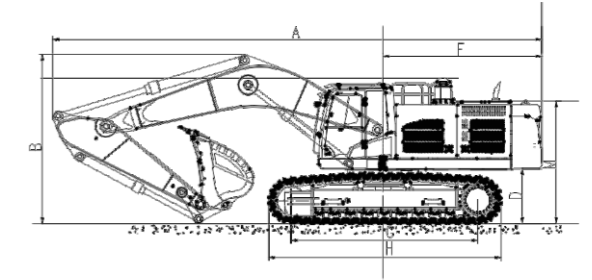
◆ Better adaptability

Independent heat dissipation of hydraulic oil, multi-stage fuel filtration system and super engine power, suitable for plateau and cold environment and harsh working conditions in mines.

◆ Higher reliability

Super verified hydraulic power components, mine type heavy sprocket, track roller, carrier roller, idler, and track, five structural parts 20,000 h reliability design and better durability.

ENGINE		UNIT	SWE600F
Working weight		kg	51800
Capacity of bucket		m ³	3.2
Engine	Brand		ISUZU
	Type		GH-6WG1
	Rated output power	kW/rpm	300/1800
Dimension parameters	A Transportation length	mm	11540
	B Transportation height	mm	4080
	C Total width	mm	3560
	D Counterweight ground clearance	mm	1350
	E Min. ground clearance	mm	560
	F Tail slewing radius	mm	3750
	G Ground contact length of track	mm	4410
	H Track length	mm	5480
	I Track gauge	mm	2740
	J Track width	mm	3340
	K Creeper tread width	mm	600
	L Cab height	mm	3360
	M Hood height	mm	2960
	N Turntable width	mm	3270
Scope of work	a Maximum excavation height	mm	10815
	b Maximum dumping height	mm	7375
	c Maximum digging depth	mm	6780
	d Digging depth (2.44 mhorizontally)	mm	6620
	e Maximum vertical digging depth	mm	5995
	f Maximum digging distance	mm	11150
	g Maximum digging distance on ground	mm	10870
	h Minimum front slewing radius	mm	4560
Swing arm length		mm	6400
Bucket arm length		mm	2900
Bucket arm digging force		kN	297
Bucket digging force		kN	261
Speed (high/low)		km/h	5.4/3.3
Slewing speed		rpm	9.9
Fuel tank capacity		L	850
Hydraulic fuel tank capacity		L	520





SWE750F



◆ Powerful

Volvo D16 engine is adopted, which has the characteristics of low speed, high power, high torque, low fuel consumption and large power reserve.

◆ Reliable and durable

Heavy detachable chassis; forging and welding structure, enlarged section type working device.

◆ Long endurance

A 5.0 m³ special bucket for mine is equipped; 1000 L large capacity fuel tank.

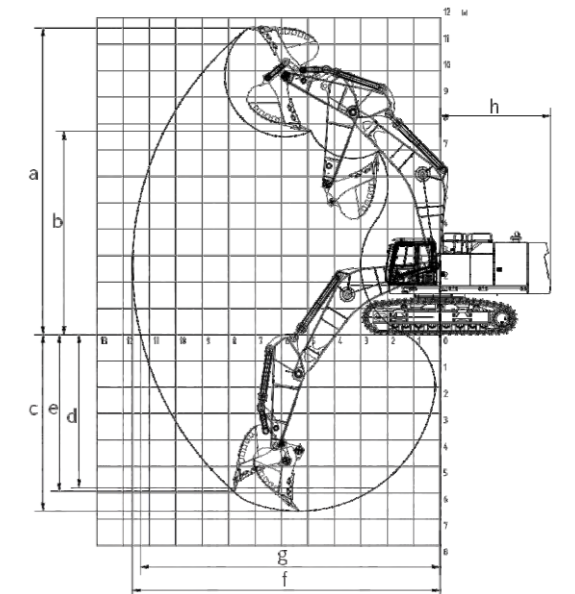
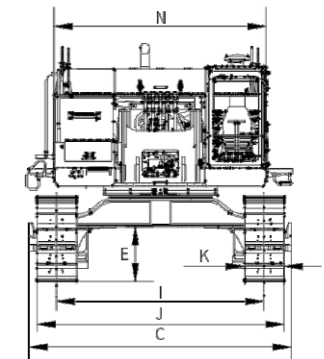
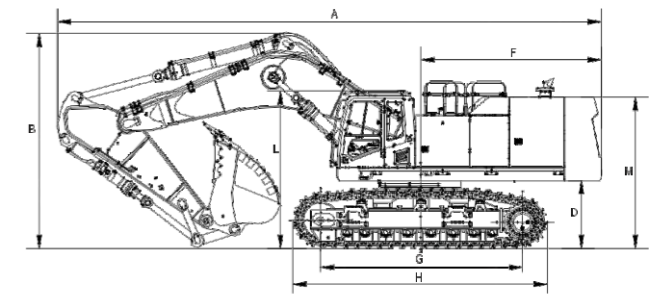
◆ Independent heat dissipation

The first one in China equipped with electric drive dual independent heat dissipation system (oil and water). According to the internal temperature of the radiator, the fan speed is adjusted on its own, and the energy consumption is reduced by about 15-20%.

◆ Self-cleaning air filter

It is the first one equipped with self-cleaning air filter in China, which reduces maintenance labor intensity and maintenance time, and greatly improves working efficiency.

ENGINE		UNIT	SWE750F
Working weight		kg	76000~88000
Capacity of bucket		m ³	4.6~5.5
Engine	Brand		VOLVO
	Type		D16
	Rated output power	kW/rpm	565/1900
Dimension parameters	A Transportation length	mm	12569
	B Transportation height	mm	4973
	C Total width	mm	4310/3500
	D Counterweight ground clearance	mm	1556
	E Min. ground clearance	mm	886
	F Tail slewing radius	mm	4220
	G Ground contact length of track	mm	4655
	H Track length	mm	5880
	I Track gauge	mm	3410/2750
	J Track width	mm	4060
	K Creeper tread width	mm	650
	L Cab height	mm	3639
	M Hood height	mm	3486
	N Turntable width	mm	3480
Scope of work	a Maximum excavation height	mm	11634
	b Maximum dumping height	mm	7709
	c Maximum digging depth	mm	6694
	d Digging depth (2.44 mhorizontally)	mm	5805
	e Maximum vertical digging depth	mm	5948
	f Maximum digging distance	mm	11654
	g Maximum digging distance on ground	mm	11345
	h Minimum front slewing radius	mm	4220
Swing arm length		mm	6600
Bucket arm length		mm	2900
Bucket arm digging force		kN	358
Bucket digging force		kN	401
Speed (high/low)		km/h	2.9/4.5
Slewing speed		rpm	7.3
Fuel tank capacity		L	1000
Hydraulic fuel tank capacity		L	900



SWE950E-3H



◆ Higher configuration

The high-power engine is equipped with large displacement main pump, suitable for operation under heavy load in mines.

◆ Better maintenance

Humanized maintenance channel, accessible maintenance parts, optional automatic lubrication, more convenient maintenance.

◆ Better adaptability

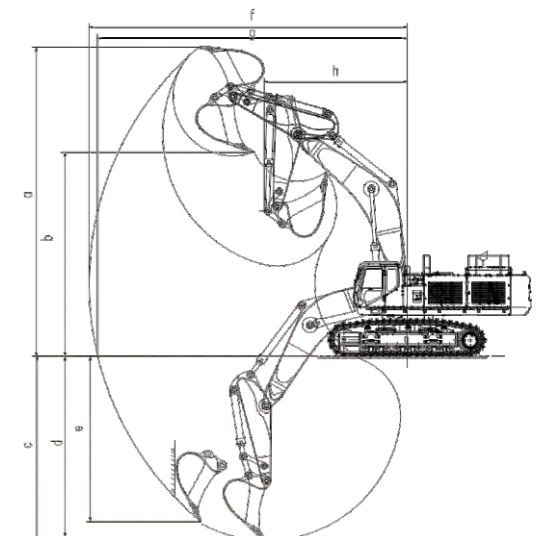
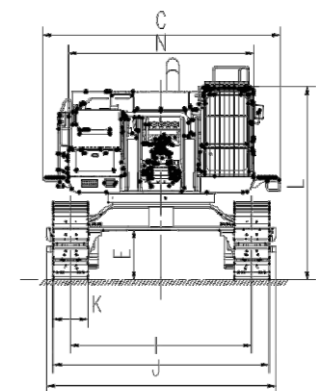
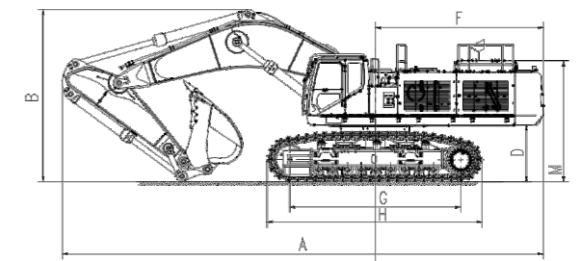
Independent heat dissipation of hydraulic oil, multi-stage fuel filtration system and super engine power, suitable for plateau and cold environment and harsh working conditions in mines.

◆ Higher reliability

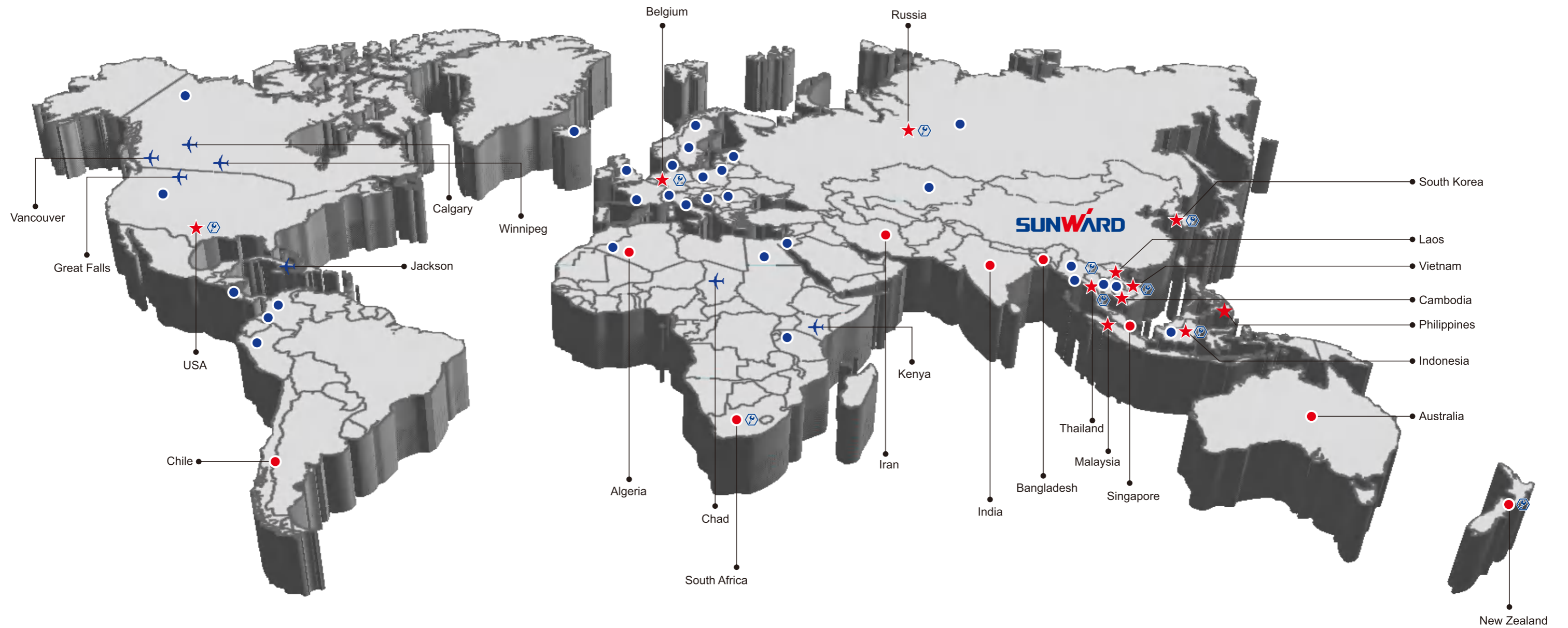
Super verified hydraulic power components, mine type heavy-duty sprocket, track roller, carrier roller, idler, and track, five structural parts 40,000 h reliability design and better durability.



ENGINE		UNIT	SWE950E-3H
Working weight		kg	92800
Capacity of bucket		m ³	5.5 (4.5~6.5)
Engine	Brand		VOLVO PENTA
	Type		TAD1643VE-B
	Rated output power	kW/rpm	565/1900
Dimension parameters	A Transportation length	mm	13885
	B Transportation height	mm	4995
	C Total width	mm	4423
	D Counterweight ground clearance	mm	1645
	E Min. ground clearance	mm	925
	F Tail slewing radius	mm	4850
	G Ground contact length of track	mm	4945
	H Track length	mm	6205
	I Track gauge	mm	2750/3380
	J Track width	mm	3400/4030
	K Creeper tread width	mm	650
	L Cab height	mm	3615
	M Hood height	mm	3500
	N Turntable width	mm	3475
Scope of work	a Maximum excavation height	mm	12160
	b Maximum dumping height	mm	8030
	c Maximum digging depth	mm	7240
	d Digging depth (2.44 mhorizontally)	mm	7120
	e Maximum vertical digging depth	mm	6485
	f Maximum digging distance	mm	12490
	g Maximum digging distance on ground	mm	12145
	h Minimum front slewing radius	mm	5625
Swing arm length		mm	7100
Bucket arm length		mm	2950
Bucket arm digging force		kN	373
Bucket digging force		kN	495
Speed (high/low)		km/h	3.9/2.4
Slewing speed		rpm	6.5
Fuel tank capacity		L	1300
Hydraulic fuel tank capacity		L	650



Distribution Network



- ★ Sunward subsidiaries
- Sunward offices
- Sunward dealers
- ⚙ Sunward spare parts centers
- ✈ AVMAX service outlets

Sunward obtained the import and export rights in 2001, and have exported products to more than 100 countries and regions in the world. Our professional agencies are distributed all over the world, and we have established a dozen of subsidiaries in countries such as Belgium, the USA, Russia, Cambodia, Laos, South Africa, Malaysia, the Philippines, Vietnam, Indonesia, Thailand, South Korea, etc., which have respectively set up their professional sales service team including local employees and established their core accessory warehouse, complete-machine warehouse and maintenance facilities.