

INNOVATION LEADS TO VALUE



SUNWARD

EN.25.08

SWE210F MEDIUM-EXCAVATOR

◆ Total weight:21.5t ◆ Engine power:133kW/2200rpm ◆ Bucket capacity:1m³

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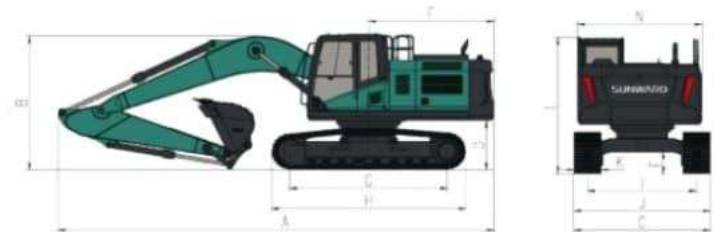
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- ◆ Based on the "F Series" excavators from Sunward, this model is crafted with a focus on international standards. It continues the new generation Sunward excavator family design, with a tall and powerful appearance.
- ◆ It is equipped with an internationally renowned brand engine, with an engine power of 133KW, providing strong power. Coupled with imported large-orifice main valves, high-displacement main pumps, and high-torque swing motors, it offers fast working speeds, high efficiency, and fuel saving.
- ◆ The industry-leading annealing process is used, with a reinforced bucket design, a D-shaped design for the swing platform side beams with a 13% increase in section height, and an increased diameter of the swing bearing, which makes the machine more stable.
- ◆ It features the latest model cab, equipped with a 10-inch LCD touch screen, fully automatic air conditioning, a new 24V power outlet, one-touch start, Bluetooth sound, and other intelligent functions. The seat cushion and backrest are wider and thicker, and the armrests are wider, providing better comfort.
- ◆ All four filters are concentrated in the pump compartment, making maintenance and replacement very convenient while standing on the ground. It comes standard with six LED lights, an acoustic and visual alarm, and a rear camera, providing better visibility and safety for night work.

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A	Total length	mm	9560	H	Track Length	mm	4260
B	Total height	mm	3150	I	Track gauge	mm	2200
C	Total width	mm	2800	J	Track width	mm	2800
D	Counterweight Clearance	mm	1070	K	Track shoe width	mm	600
E	Min.ground clearance	mm	480	L	Max height of total machine	mm	2990
F	Tail swing radius	mm	2880	N	Turntable width	mm	2710
G	Track ground length	mm	3465				

★The above parameters may be different due to product upgrading.

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SWE375F (Standard Configuration) LARGE-EXCAVATOR

◆ Total weight: 37.5t

◆ Engine power: 212kW/2000rpm

◆ Bucket capacity: 1.8m³(1.8m³- 2.1m³)



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◆ All-New Design

The new-generation family-style F series features a completely redesigned exterior, delivering a majestic and commanding presence. The design incorporates more mining-inspired elements, achieving a perfect blend of elegance and strength. The cab and display control system have been fully upgraded, featuring a 10.1-inch full LCD touch screen with integrated functions, and a standard rear-view HD night vision camera.

◆ Premium Powertrain

Equipped with an internationally renowned Isuzu engine, power has been increased to 212 kW compared to the earlier model SWE365E, delivering ample power reserve and superior performance. It demonstrates excellent fuel adaptability and ease of maintenance.

◆ High-End Configuration with High Efficiency

Key hydraulic components are imported and paired with SUNWARD's proprietary control technology, ensuring both high efficiency and energy savings.

◆ Reliability and Durability

The heavy-duty 6.5 m boom and 2.9 m arm ensure outstanding structural reliability. A standard 1.8 m³ hyperbolic rock bucket delivers greater digging force within the same tonnage range.

◆ Upgraded Undercarriage Assembly

The raised travel frame features dual carrier roller support, along with an optimized swing bearing and mud scraper, significantly improving performance in muddy and sandy conditions.

TECHNICAL PARAMETERS



SWE375F (Standard Configuration)

Parameters and performance of the main machine

Specification

Operating weight	kg	37500
Bucket capacity	m ³	1.8

Hydraulic system

Main pump type		Variable plunger pump
Max.main pump flow	L/min	2-324
System pressure	Mpa	34.3
Pilot pump type		Gear pump
Max.pilot flow	L/min	27
Pilot pressure	Mpa	3.9

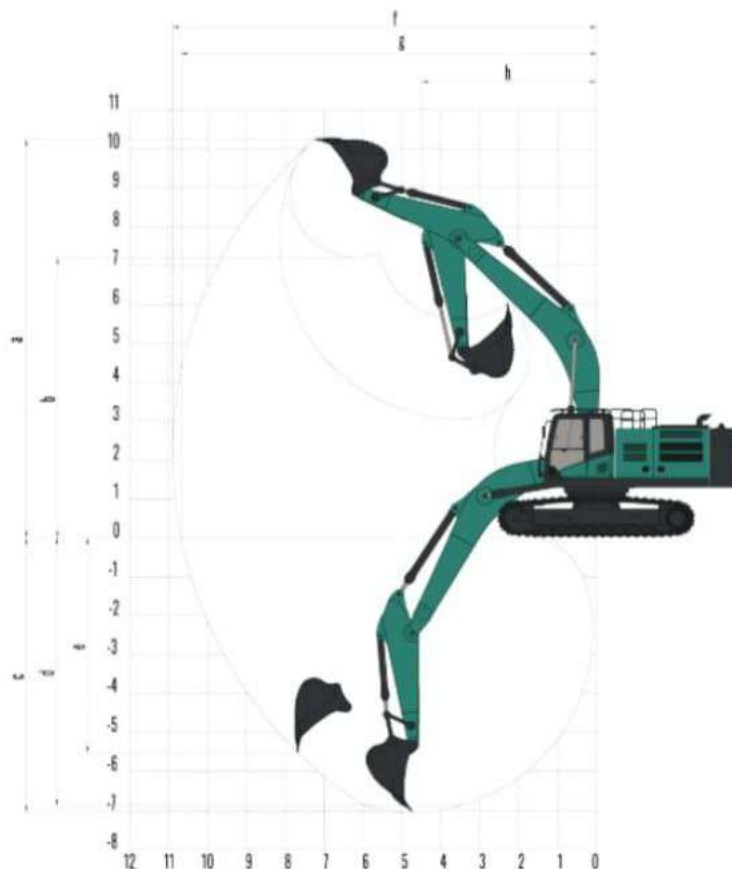
Oil tank capacity

Fuel tank	L	700
Hydraulic oil tank	L	475

Engine	Brand		ISUZU
	Model		AE-6HK1X
	Rated power	kw/rpm	212/2000
	Max.torque	N.m/rpm	1080/1500
	Displacement	L	7.79

Performance

Swing speed	rpm	9.1
Travel speed(Max/Min)	km/h	6.2/3.6
Gradeability	%	70
Ground pressure	kPa	76



Working range、Digging force



	Boom length	mm	6500
	Arm length	mm	2900
a	Max.digging height	mm	10390
b	Max.dumping height	mm	7350
c	Max.digging depth	mm	7100
d	Max. depth cut for 2440 mm level bottom	mm	6930
e	Max.vertical digging depth	mm	5825
f	Max.digging reach	mm	10935
g	Max.ground digging reach	mm	10720
h	Min.front swing radius	mm	4485
	Bucket digging force	kN	253
	Arm digging force	kN	198



Outline dimensions

A	Total length	mm	11370	H	Track length	mm	4940
B	Total height	mm	3630	I	Track gauge	mm	2590
C	Total width	mm	3190	J	Track width	mm	3190
D	Counterweight ground clearance	mm	1270	K	Track shoe width	mm	600
E	Min.ground clearance	mm	537	L	Max.main machine height	mm	3275
F	Tail swing radius	mm	3620	N	Turntable width	mm	3120
G	Track ground length	mm	4025				

★Due to the product upgrades, above parameters will be changed.

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SWE600F LARGE-EXCAVATOR

◆ Total weight: 52.8t

◆ Engine power: 300kW/1800rpm

◆ Bucket capacity: 3.2m³(3.2m³- 3.6m³)



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◆ Efficient Configuration

Powered by a high-power, highly reliable ISUZU engine. The energy-saving hydraulic system is integrated with proprietary matching technology for optimized performance.

◆ Enhanced Crushing Capability

A professional crushing circuit system ensures more reliable crushing operations and supports the installation of larger crushing hammers. The reinforced crusher mounting structure guarantees stable and dependable performance.

◆ Reliability and Durability

The heavy-duty 6.4 m boom and 2.9 m arm provide enhanced structural reliability. The new hyperbolic wear-resistant bucket significantly reduces digging resistance.

A large heavy-duty undercarriage with four rollers, one carrier, one idler, and track shoes—featuring a fully guarded track chain mechanism—is engineered for demanding mining applications.

Dual swing motors reduce startup and braking impact, increase driving torque, and ensure smoother rotation.

TECHNICAL PARAMETERS



SWE600F

Performance parameters

Specification

working weight	kg	52800
Standard bucket capacity	m ³	3.2

Performance

Bucket Digging Force	kN	297
Arm Digging Force	kN	261
Max. Traction	kN	423
Max climbing angle	%	70
Ground Pressure	kPa	87.8
Travel Speed(Max/Min)	km/h	5.2/3.0
Swing speed	rpm	9.9

Oil tank capacity

Fuel Tank	L	850
Hydraulic Oil Tank	L	520

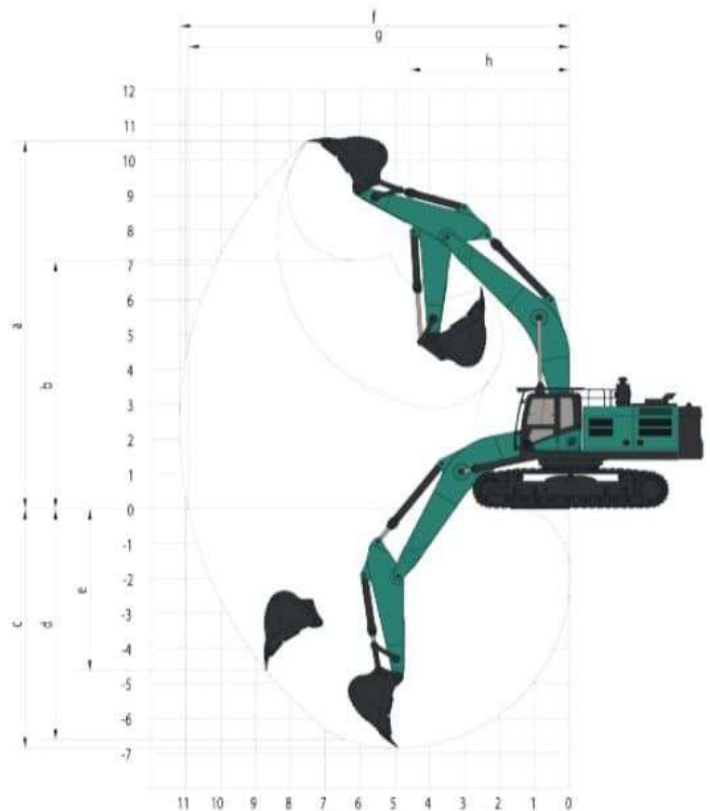
Engine

Brand		ISUZU
Model		GH-6WG1
Power	kw/rpm	300/1800
Max torque	N.m/rpm	1932/1400
Displacement	L	15.681

Working range



	Boom length	mm	6400
	Arm length	mm	2900
a	Max. Digging Height	mm	10540
b	Max. Dumping Height	mm	7190
c	Max. Digging Depth	mm	6780
d	Digging Depth(2.44 meter)	mm	6620
e	Max. Vertical Wall Digging Depth	mm	5010
f	Max. Digging Reach	mm	11040
g	Max. Reach at Ground Level	mm	10800
h	Min swing radius in the front	mm	4560



Outline dimension

A	Total length	mm	11540	H	Track Length	mm	5480
B	Total height	mm	4080	I	Track gauge	mm	2740
C	Total width	mm	3560	J	Track width	mm	3340
D	Counterweight Clearance	mm	1350	K	Shoe Width	mm	600
E	Chassis ground clearance	mm	560	L	Max height of total machine	mm	3360
F	Tail swing radius	mm	3750	N	Swing width	mm	3270
G	Track length on the ground	mm	4410				

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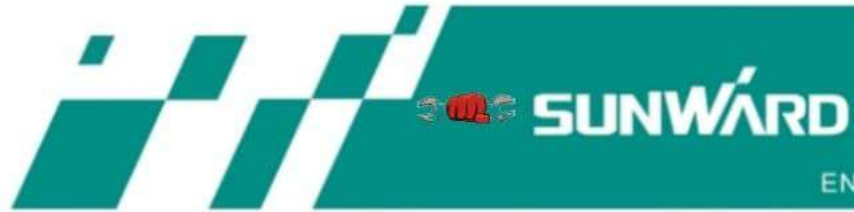
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INNOVATION LEADS TO VALUE



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SWE950E-3H Large Excavator

◆ Operating Weight: 93800kg

◆ Engine Power: 565kW/1900rpm

◆ Bucket Capacity: 4.5~6.5m³



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◆ **Efficient Configuration**

Equipped with a renowned VOLVO PENTA engine with high power and reliable performance, Efficient and energy-saving hydraulic system configuration, paired with proprietary matching technology.

◆ **Breaker Upgrade**

Professional breaker circuit system for more reliable breaker operation. Larger breakers can be installed. Reinforced breaker support for stability and reliability.

◆ **Reliable & Durable**

Heavy-duty 7.1 m boom + heavy-duty 2.95 m arm for high reliability. New "hyperbolic" wear-resistant bucket significantly reduces digging resistance. Large-size heavy-duty four-wheel one-track and full-track-guard crawler assembly for harsh mining operations. Dual slewing motors reduce start/brake impact, enhance power, and ensure more stable slewing.



Parameters and Performance

Specification		
Operating Weight	kg	93800
Bucket Capacity	m ³	4.5-6.5
Engine		
Brand		VOLVO PENTA
Model		TAD1643VE-B
Rated Power	kw/rpm	565/1900
Max. Torque	N.m/rpm	3240/1300
Displacement	L	16.12
Emission		China III
Hydraulic System		
Main Pump	Type	Variable plunger pump*2
	Max.Flow	L/min 2×504
	System Pressure	MPa 34.3
Pilot Pump	Type	Gear pump
	Max.Flow	L/min 27
	System Pressure	MPa 3.9
Flow of Aux 1(break)	L/min	450
Flow of Aux 2	L/min	/
Performance		
Bucket Digging Force	kN	495
Arm Digging Force	kN	373
Max. Drawbar Pull	kN	630
Gradeability	%	70
Ground Pressure	kPa	129
Travel Speed(Max/Min)	km/h	4/2.5
Swing Speed	rpm	6.5
Boom Swing(L/R)	°	/
Oil Tank Capacity		
Fuel Tank Capacity	L	1300
Hydraulic Tank Capacity	L	1100

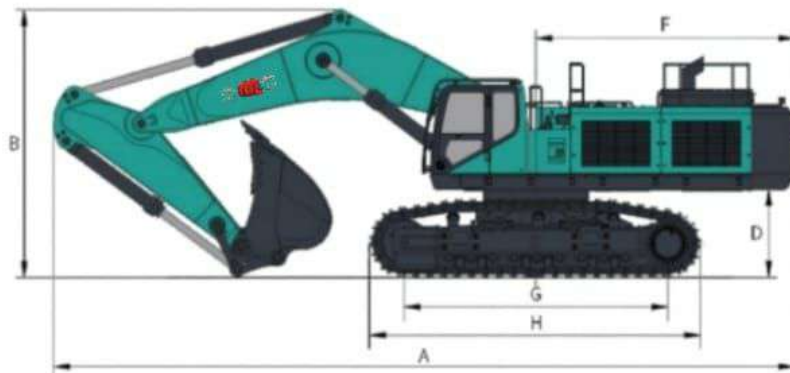
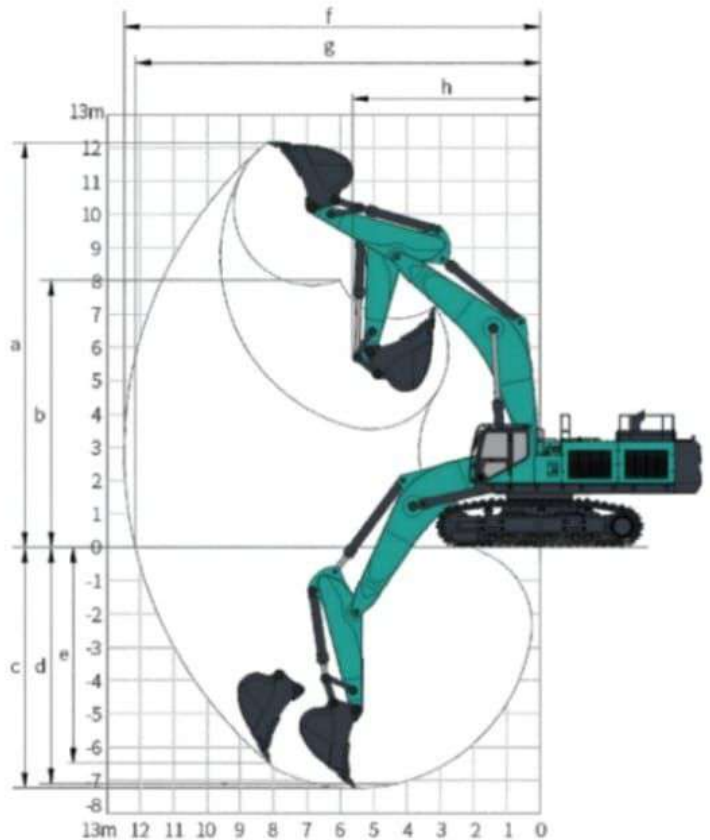
Overall Dimensions

A	Overall Length	mm	13885
B	Overall Height	mm	5110
C	Overall Width	mm	4425
D	Counterweight Clearance	mm	1645
E	Ground Clearance	mm	925
F	Tail Swing Radius	mm	4850
G	Length to Center of Rollers	mm	4945
H	Track Length	mm	6205
I	Track Gauge	mm	2750/3380
J	Track Width	mm	3400/4030
K	Track Shoe Width	mm	650
L	Max. Height of Cab	mm	4200
N	Upper-carriage Width	mm	4425

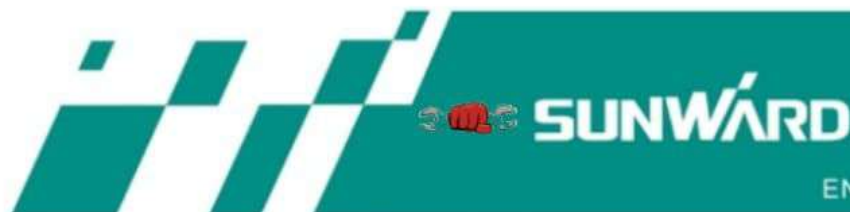
★The above parameters may be different due to product upgrading.

Working Range

Boom Length		mm	7100
Arm Length		mm	2950
a	Max. Digging Height	mm	12160
b	Max. Dumping Height	mm	8030
c	Max. Digging Depth	mm	7240
d	Max. Depth Cut for 2440 mm Level Bottom	mm	7120
e	Max. Vertical Digging Depth	mm	6485
f	Max. Digging Reach	mm	12490
g	Max. Digging Reach at Ground Level	mm	12145
h	Min. Front Swing Radius	mm	5625
i	Max. Raising Height above Ground of Dozer Blade	mm	/
j	Max. Lowering Depth from Ground of Dozer Blade	mm	/



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SWE1650F Large Excavator

◆ Operating Weight:163000kg

◆ Engine Power:2X563kW/2100rpm

◆ Bucket Capacity:10m³



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- ◆ **Dual-System Control, High Innovation**
First-in-class 160-ton dual-system control. Two sets of mature and reliable 95-ton-class hydraulic and power systems for high efficiency, energy saving, and enhanced durability.
- ◆ **Heavy-Duty Undercarriage, High Stability**
Equipped with the largest-width chassis in its class for excellent loading stability and strong turning capability.
- ◆ **Reinforced Structure, High Reliability**
Critical structural components designed for 30,000-hour service life. Higher-grade materials selected to effectively extend structural component lifespan.
- ◆ **Multiple Configurations, High Adaptability**
Standard automatic lubrication, engine fuel heating system, and surround-view cameras for effortless and worry-free operation.

TECHNICAL PARAMETERS



SWE1650F

Parameters and Performance

Specification		
Operating Weight	kg	163000
Bucket Capacity	m³	10
Engine		
Brand		Cummins
Model		QSM15
Rated Power	kw/rpm	2X563/2100
Max. Torque	N.m/rpm	2X3000/1400
Displacement	L	2X14.5
Emission		China III
Hydraulic System		
Main Pump	Type	Variable plunger pump*4
	Max.Flow	L/min 4×504
	System Pressure	MPa 34,3/37
Pilot Pump	Type	Gear pump
	Max.Flow	L/min 54
	System Pressure	MPa 3,9
Flow of Aux 1(break)	L/min	476
Flow of Aux 2	L/min	/
Performance		
Bucket Digging Force	kN	625
Arm Digging Force	kN	542
Max. Drawbar Pull	kN	1045
Gradeability	%	48
Ground Pressure	kPa	157
Travel Speed(Max/Min)	km/h	3,2/2,2
Swing Speed	rpm	5,5
Boom Swing(L/R)	°	/
Oil Tank Capacity		
Fuel Tank Capacity	L	2000
Hydraulic Tank Capacity	L	1800

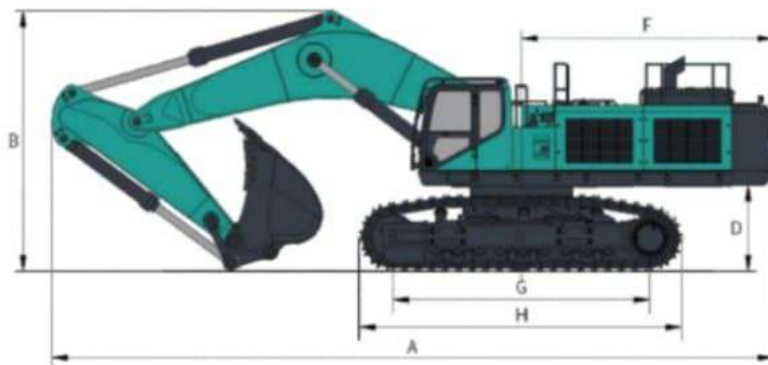
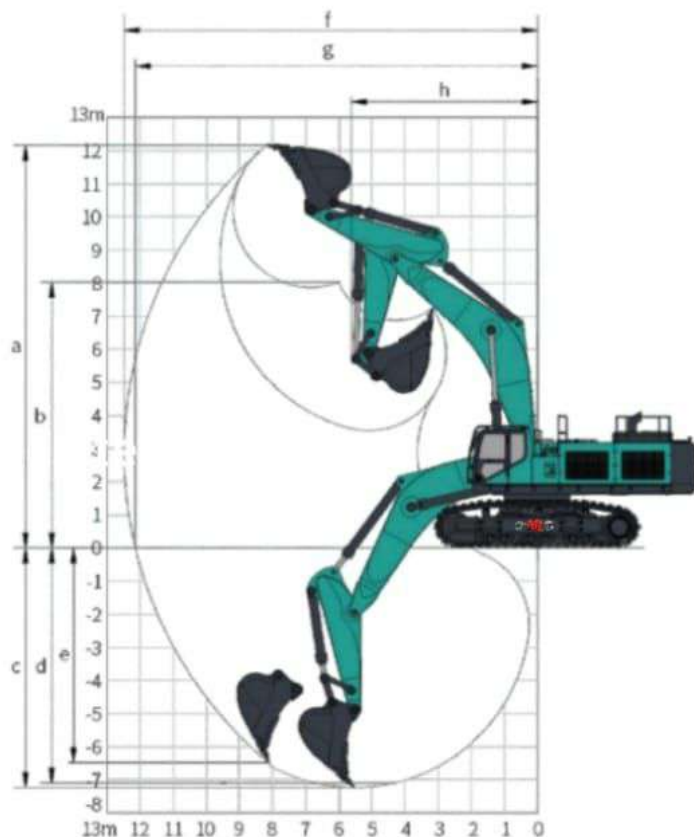
Overall Dimensions

A	Overall Length	mm	15110
B	Overall Height	mm	5750
C	Overall Width	mm	5770
D	Counterweight Clearance	mm	2070
E	Ground Clearance	mm	1130
F	Tail Swing Radius	mm	5310
G	Length to Center of Rollers	mm	5820
H	Track Length	mm	7365
I	Track Gauge	mm	4230
J	Track Width	mm	4980
K	Track Shoe Width	mm	750
L	Max. Height of Cab	mm	5090
N	Upper-carriage Width	mm	5660

★The above parameters may be different due to product upgrading.

Working Range

	Boom Length	mm	7600
	Arm Length	mm	3400
a	Max. Digging Height	mm	13350
b	Max. Dumping Height	mm	8420
c	Max. Digging Depth	mm	7855
d	Max. Depth Cut for 2440 mm Level Bottom	mm	6910
e	Max. Vertical Digging Depth	mm	4880
f	Max. Digging Reach	mm	14300
g	Max. Digging Reach at Ground Level	mm	13800
h	Min. Front Swing Radius	mm	6455
i	Max. Raising Height above Ground of Dozer Blade	mm	/
j	Max. Lowering Depth from Ground of Dozer Blade	mm	/



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