

Overall weight: 6,000KG

Bucket capacity: 0.20~0.34m³



SWE60E Compact Hydraulic Excavator

SUNWARD INTELLIGENT EQUIPMENT CO.,LTD.

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SWE60E EN 2019-01

SWE GOE

Pioneer of Urban Construction High Configuration, High Efficiency, High Reliability and Low Oil Consumption

HEIDE HEIDE

Relying on the wisdom, the E series exeavators become a legend again in terms of technical research and development. These exeavators inherit the cutting-edge technology and process of Sunward R&D Team, eater for the market, optimize the matching control system, perfectly realize the 5E performance, and start the times of "high configuration, high efficiency, high reliability and low oil consumption".



Comfortable operation environment

Excavation performance under the

Compared with other excavators of the same tonnage, the SWE60E excavator, which is comprehensively upgraded, enjoys the highest cost performance. Its

overall weight reaches 6,000kg, its continuous working hours are longer, and its

cruising power is better. Its all performance parameters are basically the same as

those of 7t excavators. To sum up, its cost is at the 6t excavator level but its

benefit reaches 7t level. It indeed has excellent quality and reasonable price.

the highest cost performance

same tonnage condition —

Ultralong service life

Low investment with high return

Extremely high working efficiency

Longer continuous working hours and better cruising power



Engine Reaching National Emission Standard III

• A brand-new engine reaching the national emission standard III is adopted to obtain better effects of energy saving and environmental protection.



Large-model Radiators in Parallel

• Its excellent heat dissipation effect ensures the engine can run properly for a long time.



Easy Maintenance

• Replacement of fuel filter, inspection of oilwater separator and water drainage are convenient.



Tail with Small Swing Radius

 The tail with a small swing radius reaching the international standard is suitable for municipal construction.



Artistic Pipe Layout for Working Unit - with Higher Reliability

• It has a more rational pipe layout mode, thus reducing the abrasion probability of pipes. It is of rubber pipes accepted upon the impulse test (one million times) to improve the

reliability of rubber pipes. The reinforced working unit is accepted upon both FEM and long-term durability test.



Optimal Excavation Range

•Both boom and its oil cylinder are rationally optimized. As a result, both excavation and unloading heights are increased significantly to furthest meet the demands of different working conditions.



Oil Tank with Expanded Capacity

• The continuous working hours are longer and the cruising power is better.

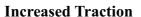
A Whole Set of KYB Hydraulic Elements, Continuously Improving the Hydraulic System

- The synthetic loss of circuit is reduced by 30% after the optimization for the regulator orifice of multi-way valve element.
- The efficiency is increased by 18% after the highefficiency main valves with independent intelligent property rights developed by Sunward are applied to compact excavators.



Slewing Reducer Hydraulic oil is

 Hydraulic oil is used for lubrication and replacement of lubricating oil is unnecessary.



SWE60

 \bullet A large-torque motor is adopted so that the traction increases by 17% and its gradeability and off-road performance both increase significantly.



Comfortable operation environment

Cab reaching the highest safety standard - European FOPS/ROPS standards





 Sun visor is provided, thus making operators more

comfortable.

Cab with Increased Overall Dimension and Rational Distribution of Center of Gravity

 High stability, decent appearance, wide cab space, and more conformable operating environment.



 Sky light providing a good vision, thus facilitating loading, unloading and slope trimming



 Wide visions at both front and right sides



A 5.7-inch high-definition monitor with a color display is configured to comprehensively observe various states of machine. The display has a friendly interface. The electrical control panels intensively laid out at the right side side of seat are near at hand and the operation of such panels is convenient and fast. A self-diagnostic function is provided to automatically detect the normal operation state, charging failure and pressure failure of machine.



- Rubber bottom plate cloth convenient for clearing.
- Pedals redesigned based on human engineering ensure that operators can feel more comfortable when operating the machine.



Large Suspension Seat

- Adjustable seat armrest.
- Large suspension seat: The sponge of both backrest and cushion is designed based on human engineering, thus making you more comfortable.
- Two-stage adjusting mechanism: The distance between seat and operating handle/pedals can be adjusted in accordance with the body proportion of operators.
- The operators may adjust the rigidity of seat damper as per their weight.



Wide Working Space

• It provides operators with a wide, bigger and safer driving space.

Suspension Seat

• The new-style two-stage sliding seat is better designed based on human engineering.



• A pilot cut-off handle, an emergency safety hammer and other similar devices are provided.



Touch Radio

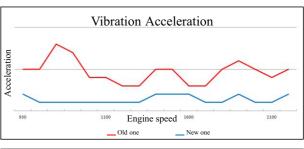
- It has a USB interface, SD card slot and MP3 play function, thus providing operators with more enjoyable entertainments.
- b It has a one-key mute function. The button on the left handle can be used for pausing of the radio playing, so that drivers can communicate with external personnel conveniently.

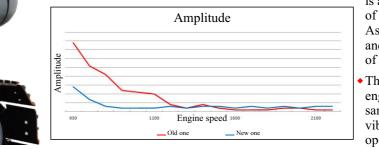
Engine

• A buckle type damper with both upper and lower stopper is adopted. Meanwhile, the position of engine suspension point is optimized. As a result, the engine amplitude is reduced effectively.

Cab

- A large-model silicone oil damper is adopted. Meanwhile, the position of cab suspension point is optimized. As a result, both impact resistance and vibration isolation performance of cab become better.
- The vibration optimization for both engine and cab is conducted at the same time. The comfort during vibration, especially that in idling operation, is improved significantly.

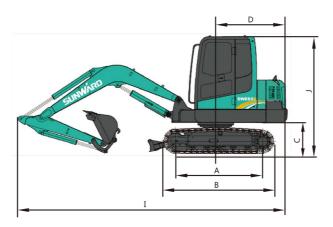


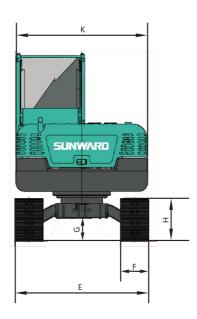


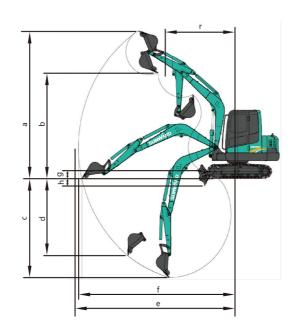
Extremely high working efficiency

Paramet	ter	Model	SWE60E	
Weight w	ith steel track	T	6	
Bucket ca	pacity	m³	0.2~0.34	
Digging f	orce of bucket	kN	47	
Digging f	orce of arm	kN	31	
Maximum	n traction	kN	48.9	
Traveling speed (high/low)		km/h	4.07/2.43	
Gradeabil	ity	۰	35	
Ground sp	pecific pressure	kPa	34.5	
Rotating speed		rpm	9.4	
	Brand		YANMAR	
	Model		4TNV94L-BVSU	
Engine	Туре		4-cylinder, 4-stroke, water cooling	
	Displacement	L	3.054	
	Power/rotating speed	kW/rpm	36.2/2100	
Capacity of fuel tank		L	113	
Main	Туре		2 variable plunger pumps and 1 gear pump	
Pump	Discharge	L/min	2×59+42	
Pressure of main overflow valve		Mpa	2×24+21	
Capacity of hydraulic oil tank		L	96	

Outline di	men	sion (L×W×H)	mm	5,875×1,900×2,615		
Dimension parameter	A	Wheel tread	mm	1965		
	В	Total length of track	mm	2495		
	С	Ground clearance of platform	mm	700		
	D	Tail Swing Radius	mm	1600		
	Е	Width of chassis	mm	1880		
	F	Width of track	mm	400		
	G	Ground clearance of chassis	mm	320		
	Н	Height of track	mm	595		
	I	Total length	mm	5875		
	J	Top height of cab	mm	2615		
	K	Width of cab	mm	1900		
Working range	a	Max. digging height	mm	5855		
	b	Max. unloading height	mm	4175		
	c	Max. digging depth	mm	3765		
	d	Max. vertical digging depth	mm	3290		
	e	Max. digging reach	mm	6175		
	f	Max. digging reach on the shutdown plane	mm	3290		
	g	Max. blade lifting height	mm	445		
	h	Max. blade digging depth	mm	340		
	r	Min. swing radius	mm	2480		
		Dozer blade (L×W)	mm	1,900×340		









Rated lifting Capacity (Standard Arm: 1.6m)

Ground

A	MAX.		5m		4m		3 m	
В	Front side (kg)	Lateral side (kg)						
4m	885.4*	837.5*			842.3*	861.4*		
3m	866.2*	581.7*			885.4*	871.0*		
2m	832.7*	486.8			981.1*	697.2	1316.1*	1301.7*
1m	890.9*	449.7	918.9*	474.5	1115.1*	631.2	1703.7*	969.5
0m	1186.9*	585.8	1196.4*	614.7	1483.6*	750.9	1971.7*	1043.8
-1m	1172.5*	614.7			1182.1*	639.5	1617.6*	837.5
-2m	713.1*	833.4			713.1*	833.4	1397.4*	915.9

Notes: 1. A: distance between swing center and vertical line of weight; B: distance between connecting pin shaft (of bucket and arm) and horizon.

2. Values with "*" refer to the rated hydraulic hoisting capacity (calculated as per 87% of total weight).

3. Values not with "*" refer to the rated tipping load (calculated as per 75% of total weight).

Construction Cases



Construction of Family Garden in Europe



Construction of Foundation Pit in France



Mine Construction in China



Orchard Construction



Construction for Flood-fighting and Disaster Relief



Participating in Construction for Risk-fighting and Disaster Relief of Ya'an Earthquake in Sichuan Province



"Earthwork Expert" - the first excavator exported to the Netherlands is operating in Amsterdam



Hook-type Excavator Operating in a Limestone Ore Yard



Construction in Open Pit Coal Mine in Shanxi Province

Worldwide Network for Sales and Service



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Africa
Algeria
Egypt
Libya
Nigeria
Reunion Island
South Africa

Tanzania Tunis

Oceania

Australia

Five Countries of Central Asia
Kazakhstan
Russia
Turkmenistan
Ukraine
The Republic of Azerbaijan
The Republic of Belarus
The Republic of Kyrgyz
The Republic of Tajikistan

The Republic of Uzbekistan

CIS