



POWER BY



SE27U/SE28U

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Engine Model: YANMAR 3TNV80F
Gross Power: 14.6kW/2400rpm
Operating Weight: 2780kg/2880kg

High Performance in a Compact Design

WALK-AROUND

LED LIGHT



CANOPY OPTIONAL



BOOM EXPLOSION-PROOF VALVE

AUXILIARY PIPING

- The excavator standard comes with one set of auxiliary pipelines, and can also be equipped with a second set of auxiliary pipelines as optional to meet the requirements of various attachments.

ENGINE



- Equipped with Japan Yanmar engine, meeting emission standards for Euro V, North America EPA Tier 4, and national IV non-road mobile machinery, which is energy saving and environmental protection with strong power. The load sensing system ensures fast response, superior control and high efficiency.

TELESCOPIC TRACK



- The travel motor has an automatic speed control function, so the travel efficiency is higher.



HIGH PERFORMANCE IN TIGHT CONDITIONS

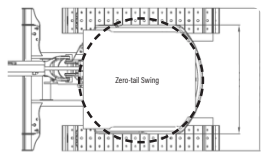
A COMPACT MODEL WITH HIGH PERFORMANCE

SE27U with OPG/TOPS canopy (cab) provides excellent visibility, stability, optimal comfort, and safety. For tough jobs in tight corners that demand precision control and state-of-the-art performance.

SE27U is ready to work, offering following advanced features: Zero-tail swing, boom swing. Featuring high reliability, low operating cost, and superior efficiency, and you've got the ideal mini for a wide range of modern jobs.

Zero-tail Swing

With zero-tail swing, even the tightest space becomes an efficient work place. The tail always stays within the width of the tracks (when extended) and lets you turn the canopy throughout its 360-degree turning radius with complete confidence and safety. Starting point by developing our zero-tail SE27U/SE28U, balance, fast and smooth operation was our main target. It results in a compact excavator with excellent balance and comes to its full potential in urban environments, landscaping, and small demolition in and outside buildings.



Boom Swing

The left and right boom swing angle supports complex operating conditions like parallel wall digging or working in narrow spaces.

Auxiliary piping

Auxiliary piping is standard. A second set of auxiliary pipings also available as an option. It can meet the configuration of various attachments.



OPERATIONAL COMFORT



LARGE OPERATOR ENVIRONMENT WITH ERGONOMIC CONTROL LAYOUT

The SE27U/SE28U provides an uncompromised operator environment – which, together with excellent visibility, provides unmatched operator comfort and safety. This machine is built around the operator – providing optimal ergonomics for operators of all sizes. SE28U is equipped with cab with large space, wide view, reasonable arrangement of manipulation devices, convenient and comfortable operation.



The 7-inch intelligent touch screen is used to integrate rich functions. And fuller and more intelligent human-computer interaction is also realized to enhance the operating experience.



Emergency brake button



Dual proportional joystick.

EASY ACCESS FOR MAINTENANCE

EASY SERVICE ACCESS

SE27U/SE28U is developed with taking particular attention to ease of service access. With a single access point for the daily maintenance of all main components, fuel level gauge and refuelling through the lockable cap.



EASY MAINTENANCE

- Fuel filter
- Water separator
- Air filter
- Engine oil filter
- Engine oil level check
- Coolant
- Start motor
- DC generator
- Battery
- Main switch
- Radiator & Oil cooler

The SE27U/SE28U is designed for lower maintenance cost with longer service intervals- resulting in more machine availability on-site. Meanwhile, skilled MXG-trained technicians are available to provide extra support when needed.

LIFTING CAPACITY FORM

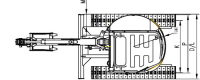
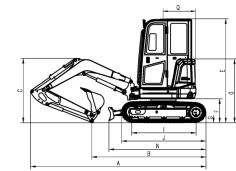
LIFT CAPACITY	RATED LIFT CAPACITY OVER BLADE, BLADE DOWN -kg			RATED LIFT CAPACITY OVER BLADE, BLADE UP -kg			RATED LIFT CAPACITY OVER SIDE, BLADE UP -kg		
	Bmm	Amm	At Max. Radius@(mm)	2000	3000	At Max. Radius@(mm)	2000	3000	At Max. Radius@(mm)
3000	-	-	493@(2663)	-	-	363@(2663)	-	-	371@(2663)
2000	538*	445	391@(3188)	527*	278	239@(3188)	538*	284	244@(3188)
1000	787*	433	346@(3347)	592	266	206@(3347)	605	272	211@(3347)
0	898	421	374@(3197)	557	255	224@(3197)	569	261	229@(3197)
-1000	863*	-	521@(2685)	554	-	322@(2685)	564	-	329@(2685)

NOTICE:

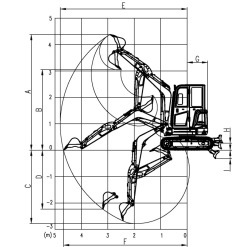
- Please refer to the Operator's Manual for other details.
- According to ISO10567 the rated load is 75% of the effective static tipping load, or 67%*(*) of the rated hydraulic lifting load (the standard value is the smaller one). It's able to turn 360 degrees and work on the Flat ground.
- Lift capacity stays with ±5% for all available track shoes.

SPECIFICATIONS

ENGINE		DIMENSIONS (BOOM: 2090 mm ARM: 1300 mm)	
Model	3TNV80F	A Overall length	4200
Type	3 cylinders, direct injection	B Ground contact length (Transportation)	2735
No. of cylinder	3	C Overall height(to top of boom)	1540
Emission	EPA Tier 4 Final/Europe Stage V	D Overall width	1550
Displacement	1.267L	E Overall height(to top of cab)	2480
Power output	14.6kW/2400rpm	F Counter weight ground clearance	575
HYDRAULIC SYSTEM		G Ground clearance	300
Type	Variable plunger pump	H Tail swing radius	775
Operating flow	86.4L/min	I Crawler wheel base	1540
Operating pressure	24.5MPa	J Track length	2020
DIGGING FORCE (ISO6015)		K Track gauge	1250
Bucket digging force	24kN	L Track width	1550
Arm digging force	14.8kN	M Shoe width	300
BUCKET		O Bonnet height	1530
Type	Backhoe bucket	P Revolving frame width	1400
Bucket capacity	0.065 m ³	Q Distance from swivel center to tail	775
Bucket width	460 mm		
TRAVEL SYSTEM			
Type	Plunger motor		
Track roller	2x3		
Track shoes	2x42		
Carrier roller qty	1x2		
Travel speed	2.3/4.0km/h		
Max. Drawbar pull	29kN		
Grade ability	≤30°		
SWING SYSTEM			
Swing motor type	Plunger motor		
Swing pressure	23MPa		
Swing speed	0-10r/min		
Brake type	Pressure release mechanical braking		
REFILLING CAPACITIES & LUBRICATIONS			
Fuel tank	33L		
Cooling system	5L		
Engine oil	3.4L		
Hydraulic oil tank	22L		
System Capacity	32L		
OPERATING WEIGHT AND GROUND PRESSURE			
Shoe width	300mm		
Ground pressure	26.3kPa/27.3kPa		
Operating weight	2780kg/2880kg		



WORKING RANGE		mm
A	Max. digging height	4390
B	Max. dumping height	3060
C	Max. digging depth	2800
D	Max. vertical digging depth	2310
E	Max. digging radius	4800
F	Max. digging radius at ground level	4680
G	Tail Swing radius	775
H	Maximum Dozer Lift Height	300
I	Maximum Dozer Dig Depth	320



* The specifications are subject to change without notice. The pictures may include options. The actual color & appearance of the product may differ from what is shown.