

Flywheel Horsepow	er;	51 hp	38 kW	
Bucket Capacity;	SAE	0.23 cu.yd	0.176 m ³	
	CECE	0.20 cu.yd	0.150 m ³	
Operating Weight;	507/8	10880 в	4935 kg	



SE50-3

Series 3 Mini Excavator combining power with a light touch



Engine

Yanmar engine is acknowledged throughout the world for its greater combustion efficiency, improved fuel economy, reliability and serviceability.



Full Opening Hood

Provides easy access for maintenance checks.



Reinforced Dozer Blade

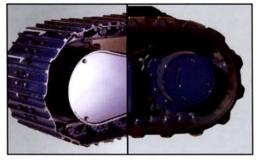
Is useful for leveling, backfilling or clean up work. It is also helpful in improving machine stability when digging or lifting.





Auxiliary Hydraulic Line

For breaker piped to the end of Arm.



Extended Undercarriage Durability

Combined with the use of alloy steel idlers, rollers and track guard provides greater undercarriage durability. Rubber tracks are standard and steel tracks are offered as an option.



Easy Replacement of Bucket Teeth

Samsung provides pin mounted bucket teeth for quick replacement.

1.55/2.55 mph

Superior Mobility

Provides faster movement from job site to job site.



Integrated Air Conditioning / Heating System

The deluxe cab features an integrated air conditioning/heating system and is pressurized to provide a dust free, climate controlled operator environment. The Roll-up front window provides excellent visibility and ventilation.



Straight Travel Feature

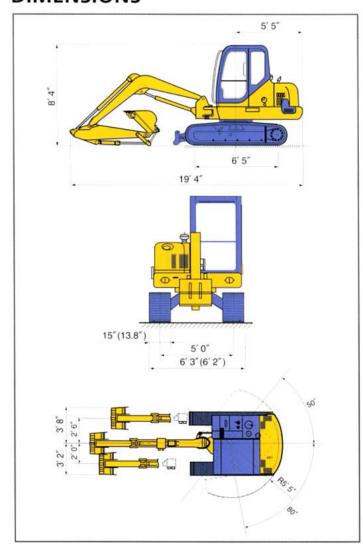
System automatically maintains straight travel during implement operation.



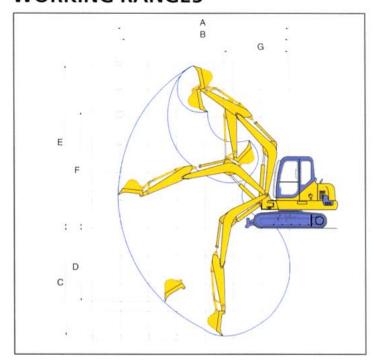
Comfortable working position for the Operator

Our ultramodern design offers highest visibility. The seat and console can be adjusted to meet the job site conditions. Cab sound level is 69dB(A) which corresponds to that of a passenger car.

DIMENSIONS



WORKING RANGES



Arm	Arm		
Max. digging reach (A)	Max. digging reach (A)		
Max. digging reach on g	Max. digging reach on ground (B)		
Max. digging depth (C)	Max. digging depth (C)		
Max. vertical digging de	Max. vertical digging depth (D)		
Max. cutting height (E)	Max. cutting height (E)		
Max. dumping height (F	Max. dumping height (F)		
Min. front swing radius (Min. front swing radius (G)		
Max. digging force	Bucket	8090 lb (3670 kg)	
Max. digging force	Arm	5970 lb (2710 kg)	

UNDERCARRIAGE

Triple Grouser Shoe 15" (380 mm)	Rubber Shoe 15.7" (400 mm)
6' 3" (1900 mm)	6' 4" (1920 mm)
11130 lb (5050 kg)	10880 lb (4935 kg)
4.4 psi (0.31 kg/cm²)	4.1 psi (0.29 kg/cm²)
	15" (380 mm) 6' 3" (1900 mm) 11130 lb (5050 kg)

BUCKET

Bucket	Standard Bucket	Narrow Bucket 0.089/0.081 yd ³ (0.068 / 0.062 m ³)	
Bucket Capacity(SAE/CECE)	0.23/0.20 yd³ (0.176 / 0.150 m³)		
Bucket Width (without/with side cutter)	26"/28" (660 / 710 mm)	13"/15" (320 / 370 mm)	
No. of Teeth	5EA	3EA	

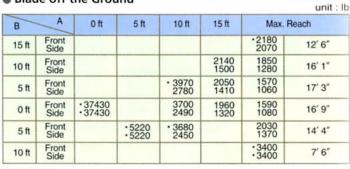
LIFTING CAPACITY



Blade on the Ground

В	A	0 ft	5 ft	10 ft	15 ft	Max.	Reach
15 ft	Front Side					* 2180 2070	12′ 6″
10 ft	Front Side			,	• 2180 1500	· 2160 1280	16′ 1″
5 ft	Front Side			· 3970 2780	· 2560 1410	· 2270 - 1060	17′ 3″
O ft	Front Side	·37430 ·37430	100	· 5200 2490	· 2910 1320	*2450 1080	16′ 9″
5 ft	Front Side		· 5220 · 5220	• 4760 2450		*2800 1370	14′ 4″
10 ft	Front Side					*3400 *3400	7' 6"

Blade off the Ground



- Notes: 1. The above loads are in compliance with SAE and ISO Hydraulic Excavator Lift Capacity Standards.

 - 2. Rated loads do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.
 3. Rated loads marked with an asterisk (*) are limited by hydraulic capacity rather than tipping load.

SPECIFICATIONS

ENGINE	
	Yanmar 4TNE94
Туре	Water cooled 4 cylinders
	51 hp(52 ps/38 kw) at 2200 rpm
	133.8 lb·ft (18.5 kg·m) at 1600 rpm
Displacement	169 in³ (2776 cc)
Bore and stroke	3.7" × 3.9" (94 mm × 100 mm)
HYDRAULIC SYST	ГЕМ
Pumps	
Main pump:	
Type 2 variab	ole displacement piston pumps +1 gear pump
Oil flow	2 × 13.8 + 9.4 gpm (2 × 52.4 + 35.6 lpm)
Pilot pump	gear pump
Hydraulic motors	
Travel	variable displacement axial piston motor
Swing	fixed displacement piston motor
Relief valve setting	
Implement	2990 psi (210 kg/cm²)
	2990 psi (210 kg/cm²)
	2700 psi (190 kg/cm²)
	470 psi (33 kg/cm²)
Hydraulic cylinders	per (cong. con)
	1-Ø 4.1" × 28.3" (1-Ø 105 × 720 mm)
	1- Ø 3.5" × 32.5" (1- Ø 90 × 825 mm)
	1-03.1" × 26.0" (1-080 × 660 mm)
	1- Ø 3.5" × 22.4" (1- Ø 90 × 570 mm)
	1-0 4.1" × 9.1" (1-0 105 × 230 mm)
SWING	

TRANSMISSION

TRANSMISSION		
Travel speed		
1st	1.55 mph (2.5 km/h)	
2nd	2.55 mph (4.1 km/h)	
Gradeability	35 (70 %)	
Max. tractive effort	9610 lb (4360 kg)	
UNDERCARRIAGE		
No. of links	2×39	
No. of track rollers		
No. of carrier rollers	2×1	
COOLANT & LUBRICANT CA	PACITIES	
Engine	2.7 gal (10.2 /)	
Coolant 1.3 gal		
Swing drive	0.3 gal (1.1 /)	
Swing grease bath	1.6 gal (6.0 /)	
Track motor	0.4 gal (1.7 /)	
ydraulic tank 23.8 gal (9		
Fuel tank	23.8 gal (90 /)	
ELECTRICAL SYSTEM		
Voltage	12 V	
Battery	ery 12V-100 /	
Alternator	40 Ah	
Starter	2.3 kW	
OPERATING WEIGHT		
Triple grouser shoes 15" (380mm)	11130 lb (5050 kg)	
	(2000 119)	

Rubber shoes 10880 lb (4935 kg)

STANDARD EQUIPMENT

Swing speed

Swing circle lubrication

- · Adjustable monitor
- Air cleaner
- · Air conditioner
- · Alternator(40A)
- · Auxiliary hydraulic line
- Batteries
- · Boom holding valve
- · Cab, all-weather sound suppressed, includes:
- Ashtray
- Cigar lighter
- Door locks

- Floormat
- Heater
- Horn
- Pull-up type front window

10 rpm

grease bath

- Safety glasses
- Seat
- Seat belt
- Windshield wiper with intermittent feature
- · Counterweight
- · Dozer blade
- · Hydraulic track adjusters

- · Joysticks, pilot-operated
- · Light:
- Frame mounted, two
- Boom mounted, two
- · Mirrors
- · Offset boom
- · Rubber track
- · Starting motor(12 volt)
- · Stereo cassette radio(AM/FM)
- · Straight travel circuit
- · Tool box

Under our policy of continuous improvement, we reserve the right to change specifications and design without prior notice. The illustrations do not necessarily show the standard version of the machine.



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