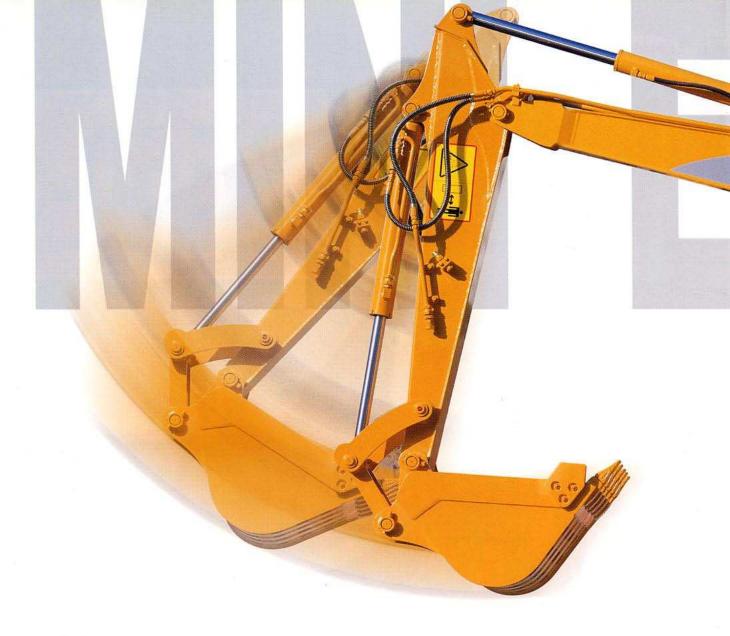


 Flywheel Horsepower;
 52 ps
 38 kW

 Bucket Capacity; SAE
 0.176 m³
 0.23 cu.yd

 CECE
 0.150 m³
 0.20 cu.yd

Operating Weight; 4935 kg 10880 lb



## **SE50-**3

# Mini Excavator, Series 3 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 through the global distribution network.



### **Full Opening Hood**

Provides easy access for maintenance checks.



### Reinforced Dozer Blade

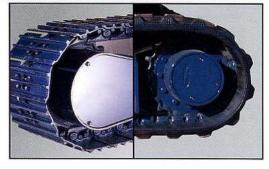
Is useful for leveling, backfilling or clean up work. It is also helpful in improving machine stability when digging or lifting.





Auxiliary Hydraulic Line (option)

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 and steel tracks are offered as an option.



Easy Replacement of Bucket Teeth

Samsung provides pin mounted bucket teeth for quick replacement.



### **Superior Mobility**

Provides powerful drawbar pull and effective working speed.



## 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.



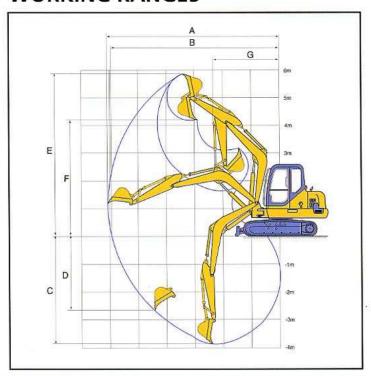
## Comfortable working position for the Operator

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

# 1650 1950 5900 380(350) 1520 1900(1870)

### **WORKING RANGES**



Arm		Standard Arm 1.54 m	
Max. digging reach (A)		6110 mm	
Max. digging reach on ground (B)		5975 mm	
Max. digging depth (C)		3820 mm	
Max. vertical digging depth (D)		2615 mm	
Max. cutting height (E)	5770 mm		
Max. dumping height (F) Min. front swing radius (G)		4090 mm	
		2355 mm	
Max. digging force	Bucket	3670 kg	
	Arm	2710 kg	

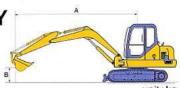
### **UNDERCARRIAGE**

	Triple Grouser Shoe		Rubber Shoe	Swamp Shoe
	350 mm	380 mm	400 mm	550 mm
Overall Width	1870 mm	1900 mm	1920 mm	2070 mm
Operating Weight	5025 kg	5050 kg	4935 kg	5135 kg
Ground Pressure	0.34 kg/cm <sup>2</sup>	0.31 kg/cm <sup>2</sup>	0.29 kg/cm²	0.21 kg/cm <sup>2</sup>

### **BUCKET**

Bucket	Standard Bucket	Narrow Bucket
Bucket Capacity(SAE/CECE)	0.176 / 0.150 m <sup>3</sup>	0.068 / 0.062 m³
Bucket Width (without/with side cutter)	660 / 710 mm	320 / 370 mm
No. of Teeth	5EA	3EA

### LIFTING CAPACITY



### Rlade on the Ground

_		F 00 - 1					
BA		0 m	1.5 m	3 m	4.5 m	Max. Reach	
4.5 m	Front Side					* 990 940	3815 mm
3 m	Front Side				* 990 680	* 980 580	4895 mm
1.5 m	Front Side			* 1800 1260	*1160 640	* 1030 480	5263 mm
0 m	Front Side	*16980 *16980		* 2360 1130	* 1320 600	*1110 490	5107 mm
1.5 m	Front Side		* 2370 * 2370	* 2160 1110		*1270 620	4358 mm
3 m	Front Side					*1540 *1540	2290 mm

BA		0 m	1.5 m	3 m	4. 5m	Max. Reach	
4.5 m	Front Side					* 990 940	3815 mm
3 m	Front Side				970 680	840 580	4895 mm
1.5 m	Front Side			* 1800 1260	930 640	710 480	5263 mm
0 m	Front Side	*16980 *16980		1680 1130	890 600	720 490	5107 mm
1.5 m	Front Side		*2370 *2370	* 1670 1110		920 620	4358 mm
3 m	Front Side					*1540 *1540	2290 mm

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

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

### **SPECIFICATIONS**

ENGINE	
	Yanmar 4TNE94
Type	Water cooled 4 cylinders
	52ps (51hp/38kW) at 2200 rpm
	18.5 kg·m at 1600 rpm
Displacement	2776 cc
Bore and stroke	94 mm×100 mm
HYDRAULIC SYSTEM	
Pumps	
Main pump:	
	placement piston pumps +1 gear pump
Oil flow	2×52.4+35.6 lpm
Pilot pump	gear pump
Hydraulic motors	
Travel var	riable displacement axial piston motor
Swing	fixed displacement piston motor
Relief valve setting	
Implement	210 kg/cm <sup>2</sup>
	210 kg/cm²
	190 kg/cm²
	33 kg/cm <sup>2</sup>
Hydraulic cylinders	
	1- Ø 105 × 720 mm
	1-Ø90×825 mm
	1- Ø 80 × 660 mm
	1-ø 90×570 mm
	1- Ø 105 × 230 mm
SWING	
	nechanical brake with hydraulic control
	2 stage planetary reduction gear

Swing speed 10.0 rpm Swing circle lubrication grease bath

TRANSMISSION	
Travel speed	
1st 2.5	km/h
2nd 4.1	km/h
Gradeability 35°	(70%)
	60 kg
UNDERCARRIAGE	
	2×39
No. of track rollers	$2 \times 5$
No. of carrier rollers	$2 \times 1$
COOLANT & LUBRICANT CAPACITIES  Engine 1  Coolant 1	5.0 l
Swing drive	1.1 /
Swing grease bath	6.0 /
Track motor	
Hydraulic tank	90 1
Fuel tank	90 <i>t</i>
ELECTRICAL SYSTEM	
Voltage	- 12V
Battery 12V-1	00 Ah
Alternator	

Starter 2.3kW

Triple grouser shoes 380mm ----- 5050 kg

Rubber shoes 4935 kg

OPERATING WEIGHT

### STANDARD EQUIPMENT

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

- Floormat
- Horn
- Pull-up type front window
- 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
- · Starting motor(12 volt, 2.3kW)
- · Straight travel Circuit
- · Tool box

### **OPTIONAL EQUIPMENT**

- · Air conditioner
- · Air heater
- · Fuel filler pump

- · Heater
- · Precleaner
- · Rubber track

- · Spare parts
- · Stereo cassette radio (AM / FM)
- · Tops CAB
- · Tool kit

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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