

ENGINE	
Engine Type	Water-Cooled, 4 Cycle Diesel Engine with 4 Cylinder, EPA Tier 4
Model Name	YANMAR 4TNV86CT
Total Displacement	127.6 cu.in. (2.091L)
Engine Power SAE J1995 Gross	48.3 HP (36 Kw/rpm)
Max. Torque	176.6 Nm (130.2 lb-ft) @ 1,560 rpm
Rated Speed	2,400 rpm
Low Idling Speed	1,000 rpm
DIMENSIONS	
Overall Length (W/ Bucket)	129.5" (3,290mm)
Overall Length (W/O Bucket)	102.6" (2,608 mm)
Overall Height	64" (1,625 mm)
Overall Width (W/O Bucket)	44.6" (1,134 mm)
Wheelbase	51" (1,296 mm)
Hinge Pin Height at Max. Lift	101.5" (2,579 mm)
Reach at Max. Lift and 30° Dump	79.9" (2,029 mm)
Track Width	9.1" (230 mm)
Ground Clearance (in the center)	9.6" (244 mm)
Ground Clearance (on the side)	3.6" (92mm)
Angle of Departure	30.5°
Operating Weight (W/O Operator)	4,741 lbs (2,150 kg)
Rated Operating Capacity (35%)	2,000 lbs (907 kg)
Tipping Load	5,714 lbs (2,591 kg)
PERFORMANCE	
Attachment Mounting System	CII (Common Industry Interface)
Travel Speed (Fwd/Rev)	6.7 mph (10.8 km/h)
Battery Capacity	12V, 80AH
Main Auxiliary Hydraulic Flow (High Flow)	21.1 gal/min (79.8 L/min)
Main Auxiliary Hydraulic Pressure (High Flow)	2,900 psi (20 MPa)
Secondary Auxiliary Hydraulic Flow (Low Flow)	2.71 gal/min (10.26 L/min)
Secondary Auxiliary Hydraulic Pressure (Low Flow)	2,611 psi (18 MPa)
Driving System Operating Pressure	5,801 psi (40 Mpa)
SERVICE AND FILL CAPACITIES	
Fuel Tank Capacity	9.25 gal (35 L)
Hydraulic System	9.25 gal (35 L)



**SPARTAN SS1950**  
**STAND-ON TRACK LOADER**



## SS1950

45.5" Wide & 9.1" Track  
Stand-On Ease,  
Compact-Class Power!



# ELEVATE YOU INTO WARRIORS

Unleash the Power, Empowering Every Move.



**Engine** **YANMAR** 4TNV86CT

48.3 HP 36 kW Power  
176.6 Nm 130 lb-ft TORQUE  
2,400 rpm  
Unmatchable Power



**Driving Motor**

Poclain Plunger Driving Motor  
Constant High Pressure Output  
Unbeatable Breaking Force



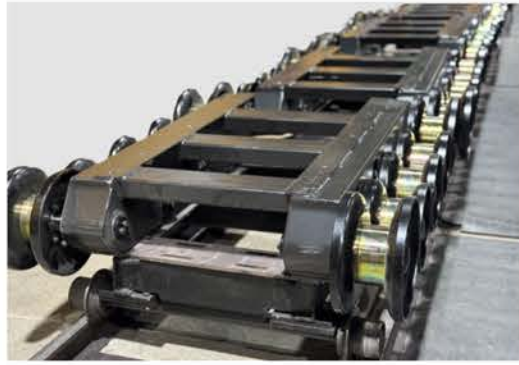
**Piston Pump**

Bosche Rexroth Hydraulic  
Piston Pump

**2,000 lbs R.O.C.  
21.1 GPM Auxiliary**







## TANK STYLE CHASSIS SYSTEM

The independent chassis, with a tank-style design, evenly distributes weight for enhanced stability and durability, while anti-vibration tracks improve comfort and reduce operator fatigue.

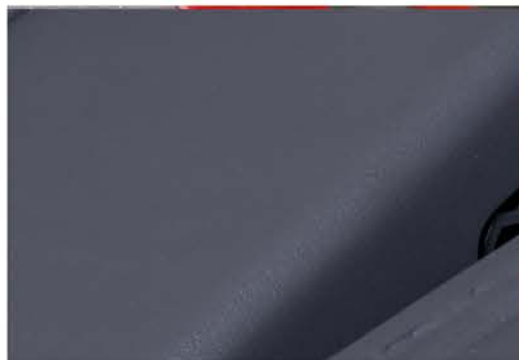
## Heavy Duty CII Mounting plate

With strong load resistance and wear reduction, this design enhances durability, minimizes maintenance, and ensures seamless compatibility with CII and other brands.



## Powder Coated Finishing

With a smooth, rust-resistant finish that resists scratches, it maintains a lasting, professional look for a tough and polished appearance.



## Heavy Duty Boom

The heavy-duty boom with protected internal hydraulic lines offers enhanced durability, making it ideal for high-intensity tasks with greater longevity and reduced maintenance needs.



## Higher Platform clearer view Reduced blind spots

Easily change attachments to adapt to any task, staying in control and fully aware of everything happening on your job site.



## Hydraulic Joystick Control

The ergonomic grip fits the natural hand curve, while the intuitive dual-hand layout and multi-function joystick controls simplify operation and reduce unnecessary movements.



## Digital Monitor Screen

- Displays real-time data
- Clear and intuitive for operation
- Oil Pressure, Engine Speed, Coolant Temperature, Battery Volts, Hours



## Standard Dual Auxiliary

Dual auxiliary ports offering both 21.1 GPM high and 2.6 GPM low flow, delivering powerful performance with precise control. Quick-release mechanism ensures effortless attachment changes.





### Parking Lock & Boom Lock

The parking lock secures the machine during breaks, while the boom lock prevents unintended movements for added safety.



### Pressure Relief Valve on Block

Provides secure anchor points to keep the loader stable during transport, preventing movement or shifting on trailers.



### Emergency Kill Switch

Instantly shuts down the machine in case of emergencies.



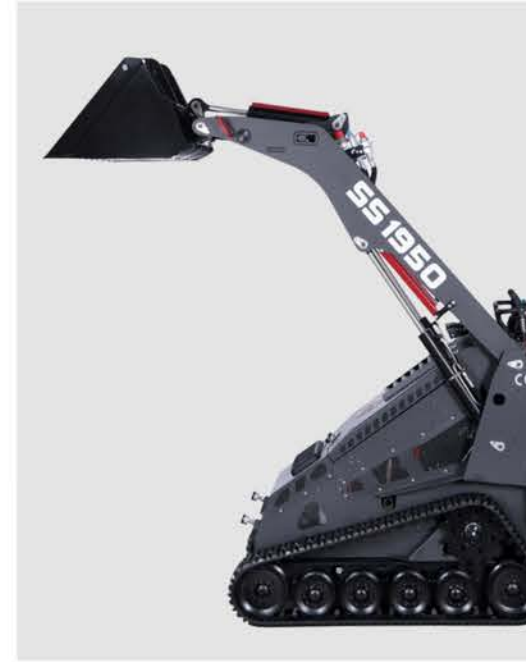
### LED Head Light

Boost visibility and safety in low light, ensuring confident navigation in the dark.



### 3-Point Contact

Guarding you on every climb, the 3-point contact system ensures safety when getting on and off.



### 101.6-inch Max. Hinge Pin Height



### Durable and Anti-Vibration Tracks



### 6.7 mph Max. Speed

### Multi-Functional Valve

Hydro Control's upgraded multifunctional valve delivers precision micro-operation for smooth, responsive control.



### Hose Guide

Protects hoses from external impacts and friction wear, ensuring proper alignment for smooth hydraulic flow and extended lifespan.



### Floating Function





**Easy Access to The  
Engine Bay**



**Oil Change?**

**Just Take off One Panel !**



**Grease Point  
Across The Body**



**Service Free Rollers  
Grease Tensioning Tracks**



# 2-Years / 2,000hrs Warranty\*

**\*Includes Labour and Parts**

## **Comprehensive Coverage**

The warranty covers both labour and parts, ensuring your machine is protected from manufacturing defects or unexpected issues during the warranty period.

## **Extended Peace of Mind**

Whether you work long hours or over multiple years, this dual-condition warranty ensures reliability and support for up to 2 years or 2,000 hours of use, whichever comes first.

## **Dealer Support**

Experience exceptional service with VMENG's expert dealers, backed by factory training and efficient inventory management. Enjoy comprehensive support, prompt assistance, and access to reliable full-time technicians, all supported by a well-stocked inventory.





**Angle Broom**



**Dozer Blade**



**Snow Blower**



**Sweeper**



**4in1 Bucket**



**Hammer**



**Lawn Mower**



**Soil conditioner**



**Pallet Fork**



**Trencher**



**Auger**



**Digger**



**Root Grapple**



**Stump Grinder**



**Log Grapple**



**Rock Bucket**



**Leveller**



**Rotary Plow**



**Backhoe**



**Mixer**



**Unleash the full potential of Spartan with  
our wide range of official Attachments!**

**For a full list of attachments visit [www.vmengmachinery.com](http://www.vmengmachinery.com)**