

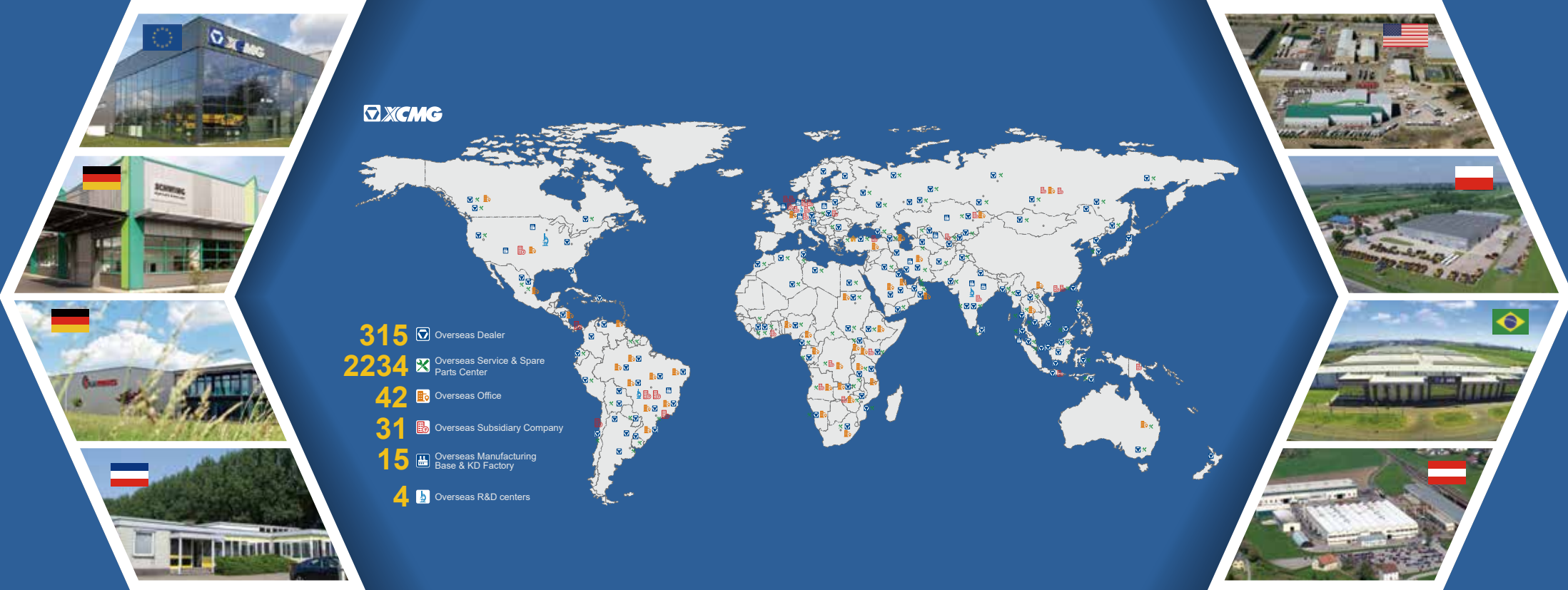
WHEEL LOADER XC7-SV12



EU Stage V/EPA Tier IV


XC7-SV12

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INTRODUCTION OF XCMG

XCMG, as a leading enterprise valued of 100 billion RMB, with the largest scale, the best technology level, the largest export volume, and high competitiveness and influence in China's construction machinery industry, has been occupying the first place in China's construction machinery industry for decades, and it now ranks the third in the world industry and the 395th among the world's top 500 brands.

The main products by XCMG consists of 16 categories of equipment such as hoisting machinery, excavation machinery, concrete machinery, mining machinery, earth-moving machinery and road machinery, etc., as well as three categories of key components such as hydraulic system, transmission system and electric control system. Among above-mentioned, hoisting machinery ranks first in the world, and package solution of road construction and maintenance machinery, piling machinery and concrete machinery are among the first-class bloc in the world.

XCMG has accumulated more than 8000 approved patents, including more than 1900 invention patents and more than 130 PCT international patents. Entities of R&D centers, manufacturing plants or KD factories are in operation in more than 10 countries such as Germany, the United States, Brazil and India, XCMG has also acquired three European enterprises including Schwing in Germany. The Brazil manufacturing plant, with an investment of 350 million dollars to build up factories on a bare ground, has become a model of economic cooperation between China and Brazil. At present, XCMG products are exported to 187 countries and regions, covering 97% of the countries along "The Belt and Road" area. In export business to 35 countries, XCMG's proportion ranks NO. 1, with a steady first place within Chinese industry in terms of annual export volume and overseas income.

OVERVIEW

— YANMAR ENGINE

The Yanmar engine provide an output of 53.7kW/72hp with unmatched performance. The engine is EPA Tier 4 Final/EU Stage V certified.

— POWER TRAIN

The hydrostatic Transmission provides quick travel response and aggressive drive. The Standard machine has two speed with hydraulic released parking brakes.

— Hydraulic System

The axial-piston hydrostatic pump minimizes hydraulic loss for better fuel economy by delivering the flow as desired. The high flow and third function valve is a standard feature for work tool attachments.

— CAB

The machine is equipped with the ROPS/FOPS certified cab. Suspension seat provides great comfort for the operator, Pilot lever is a standard feature with ISO control mode.

— VERSATILITY

The quick coupler and third function hydraulic valve are standard features, which can be easily and quickly switched among many attachments. The quick coupler followed ISO standard compatible with a wide range of the attachments.
(BT)



Comfortable operation surrounding



— All Day Long Comfort

The spacious cab interior design helps the operator comfortably and productively all day long. The suspension seat provides additional comfortable and less fatigue environment. The pressurized cab (what's the pressurized cab?) provides more cleaner and quieter working environment.

— Four Season Comfort

Air condition is standard feature on the SV12 machine, the cab is designed with optimized ducts and vents to maximize airflow. AD filter is easily replaced.

— Easy to Operate

The Joysticks with ISO control pattern are standard features. The left side Joystick controls travel and turn; the right side Joystick controls boom and bucket; the control pattern is easy to operate for better productivity.



— High Resolution Machine Monitor

The color monitor can display working hour, temperature, fuel level, maintenance information and much other information.



No Compromise On Safety

— ROPS&FOPS Cab

ROPS (Rollover Protective System) and FOPS (Falling Object Protective Structure) are standard features to protect the operator. The ROPS and FOPS cab was certified, met ISO standard.

— Interlock System

The front door of the cab is the first interlock, which prevents the boom lifting unless it was closed. The armrest is the second interlock starting Engine after down, helps to keep safe way at bay.

— Rearview Camera

The rearview camera is standard feature on the SV12 machine for better rear view of the job site behind the machine, better for driving safely. The rear camera was integrated seamlessly into the display.



Easy Maintenance



Ground Level Access

The rear door and AC cooler core swing out easily. The hydraulic drive cooling system and the radiator faced up on the top provides excellent serviceability. Ground level access for daily service, the engine fuel and air filters on the right side are easier to change. The engine oil filter and fuel-water separator on the left side are easily accessible.

Easy Maintenance

The cab can swing up more than 80 degrees, designed for better access to the machine systems and easy replacement of the hydraulic key components and the filter.





— Quick Coupler and Attachments

Our quick coupler was designed to meet ISO Standard that is widely used, the standardized quick coupler allows one machine to use a series of attachments, which gives you business better versatility. Skid steer loaders are compatible with buckets, brooms, hydraulic hammers, augers, forks, bale huggers, dozer blades and other attachments.



Technical Specifications

ENGINE

Yanmar EU Stage V/ Tier 4 Final emission certified	
Model	4TNV98CT-NTY
Type	Water-cooled, 4-cycle
Aspiration	Turbocharged & air-to-air intercooled
Number of cylinders	4
Displacement	3.3L
SAE J1995	72hp@2500rpm
Peak torque	215@1650rpm
Fuel system	Direct injection
Air cleaner	Dry type with double elements

Cooling

Fan drive	Hydraulically driven
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Power Train

The hydrostatic Transmission provides quick travel response and aggressive drive.		
Travel speed	Forward	Reverse
1st	7.5mile/h	7.5mile/h
2nd	11.88mile/h	11.88mile/h

Hydraulic System

System type	Variable displacement hydraulic system, pilot and EH joystick
Pump Flow, Standard	25gpm SF / 37gpm HF
System working pressure	3,046psi
Traveling pressure	5,076psi
Raise time	≤5.5s
Dump time	≤2s
Lower time(empty)	≤3.5s
Total cycle time	≤11s

Electrical

Voltage	12V
Battery capacity	95AH
Alternator rating	12V/80A

Refill Capacity

Cooling system	10.57 gal	40L
Fuel tank	27.74 gal	105L
Engine oil	2.48 gal	9.4 L
Hydraulic tank	10.57 gal	40L
Hydraulic system total	14.0 gal	53L
Chain box, each side	3.96 gal	15L

Performance

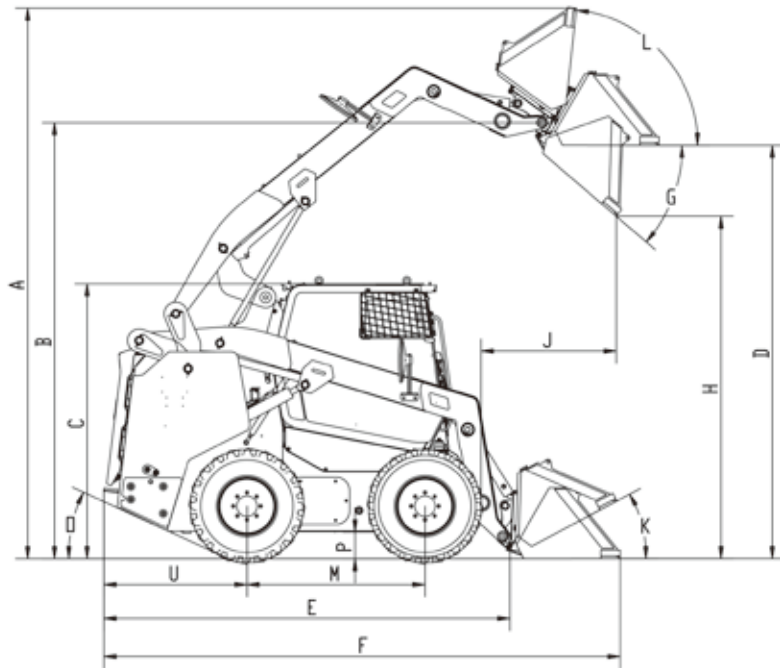
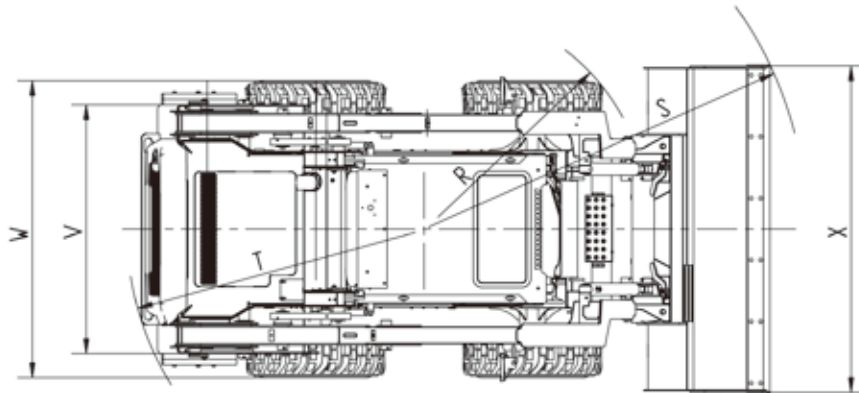
Tipping load	≥5984lb	≥2720kg
Rated operating capacity	≥2992lb	≥1360kg
Boom breakout force	≥6300lbf	≥28KN
Bucket breakout force	≥7425lbf	≥33KN

Noise level

Inside cab	≤80dB
Outside cab	≤100dB

Technical Specifications

DIMENSIONS



A Maximum overall height	13.4ft	4086 mm
B Height to hinge pin at maximum lift	10.61ft	3235 mm
C Height to top of cab	6.69ft	2040 mm
D Clearance bucket bottom to ground	10.05ft	3065 mm
E Length without bucket	9.87ft	3010 mm
F Length with bucket	12.46ft	3800 mm
G Dump angle (full lift height)	40°	
H Dump height at maximum lift and dump	8.3ft	2530 mm
K Bucket rollback at ground level	30°	
L Bucket rollback at maximum lift	83°	
J Reach at maximum lift and dump	3.28	1000 mm
M Wheelbase	4.33ft	1319 mm
O Angle of departure	25°	
P Ground clearance	0.67ft	205 mm
R Front turning radius without bucket	4.76ft	1450 mm
S Front turning radius with bucket	7.54ft	2300 mm
T Rear turning radius	6.04ft	1840 mm
U Bumper overhang behind Rear Axle	3.85ft	1175 mm
V Tread	4.92ft	1500 mm
W Width without bucket	5.9ft	1800 mm
X Width with bucket	6.56ft	2000 mm

STANDARD EQUIPMENT

ENGINE

Yanmar, EPA Final Tier 4/ EU Stage V emissions, 4 cylinder 4 stroke

Electronic injection system

Diesel Particulate Filter(DPF)

Cooling

Hydraulically driven

Powertrain

Two speed travel

Hydrostatic transmission

Closed-center hydraulic

Hydraulic released parking brakes

Four wheel drive

Hydraulic

Axial-piston hydrostatic pump

Pilot control

ISO mode joysticks

Third function valve standard

Standard hydraulic flow 25gpm

High Flow hydraulic flow 37gpm

Electric

Four LED lights

Battery,

Backup alarm

Electric horn

Rotating beacon

Front windshield wiper

Tire

12-16.5

Linkage& Attachment

Vertical lift linkage

Quick coupler standard

ISO standard interface

Bucket

0.6m³(0.78yd³)

Cab

ROPS/FOPS cab

Adjustable seat with suspension

Armrest and control interlock

Air conditioning

Rearview mirror

Fire extinguisher

Retractable seat belt

Rearview camera

Other

Hour meter

Voltage

Coolant temperature

Hydraulic oil level sight gauge

Coolant level sight gauge

Engine oil temperature

Engine oil pressure

Hydraulic oil temperature

OPTIONAL EQUIPMENT

Ride control

Additional counterweight

Optimum Services , XCMG Guaranteed



XCMG approved attachments



Genuine parts



Financial solutions



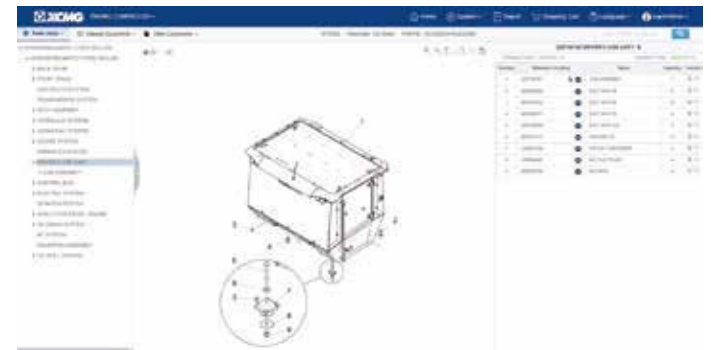
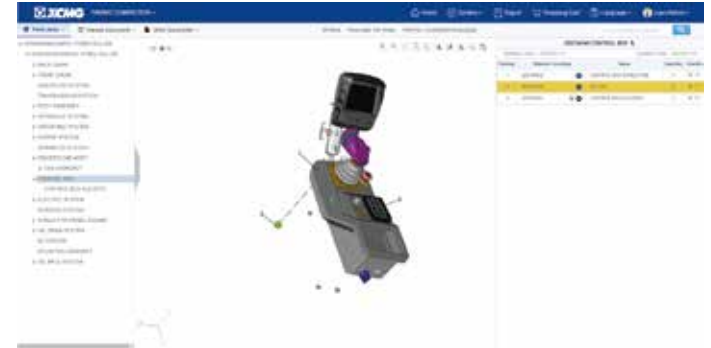
Maintenance contract



Full Range of Services Ready for you

In order to respond to your needs as fast as possible, XCMG experts are on their way to your job site from one of our facilities near you. Full range of services are available in order to reduce your total cost of ownership and increase your revenue.

XCMG Global Spare parts System



Professional Integrated Complete Solutions

XCMG group has built a strong reputation based on the quality, reliability and durability of its construction machinery. What's more, XCMG has gradually established a service network to constantly provide its local integrated and highly efficient complete solutions for all customers.



Mobile cranes



Excavators



Aerial work platforms



Wheel loaders



Road machinery



XCMG

