

TECHNICAL SPECIFICATIONS

TRUCK MOUNTED MOBILE CRANE

Manufacturer / Brand	
SANY (China), XCMG (China), KATO (Japan), Grove (Europe)	
Capacity	
Lifting Capacity	75~80 Ton
Overall Weight	45~50 Ton
Overall Length	14100 mm
Overall Width	2750 mm
Overall Height	3850 mm
Frame	Anti-Torsion Box Structure weld by fine-grain high strength steel plate to provide strong load bearing capacity
Suspension	Eight Hydro-Pneumatic independent suspension lockable from the carrier and the working cab
Steering System / Axle	
Steering	<ul style="list-style-type: none"> • Right Hand Drive • Hydraulic Power Steering • Double Circuit assisted by hydraulic Cylinders on Axle
Inter Axle Differential Lock	Traction adding device that locks Axle 3 with 4 operated by a switch by the carrier cab
Brakes	
Service	Full Air Anti-Lock (ABS) on all wheels
Parking	Spring applied acting on 3 rd and 4 th Axle
Safety	Safety Alarm with Light signal in operator cabins
Engine Data Carrier	
No. of Cylinders	06
Cycle	04
Brake Horse Power / Kilo Watt (HP / KW)	450 / 335
Engine Data Operation	
No. of Cylinders	04~06
Cycle	04
Brake Horse Power (HP)	80~100
Boom / Out Rigger Data	
Boom Type	Telescopic
Boom Shape	U-Shape
Boom Section	5 (Minimum)
Boom Length	<ul style="list-style-type: none"> • Base Boom – 11.8 Mtr. • Full – Extend Boom – 50~60 Mtr. • Full – Extend Boom + JIB – 60~75 Mtr.
Out Rigger Span	Four – Point supporting H-Shaped outriggers ensures easy operation and strong stability. A fifth front bumper outrigger with integral check valve.
Outrigger Span	Longitudinal x Transversal 6.1 x 7.6 Mtr.

Counter Weight	
<ul style="list-style-type: none"> • 10 Tons composed of different slabs standard • 08 Tons additional counter weight 	
Transmission System	
Gear Box	Manual Gear Box is adopted with 09 gear and large speed ratio range applied
Hydraulic System	
Hydraulic System	<ul style="list-style-type: none"> • High Quality, Key Hydraulic Components such as Main Oil Pump, Rotary Pump, Main Valve, Wench Motor and Balancing Parts • Wench adopts the electronically controlled variable motor to ensure high operation efficiency
Electrical System	
Batteries	<ul style="list-style-type: none"> • Two batteries providing 24V, starting & operation • The crane power can be cut off manually via mechanical power switch
Lights	<ul style="list-style-type: none"> • Front Lighting includes <ul style="list-style-type: none"> ▪ 02 Main Head Lights ▪ 02 High Beam Lights ▪ 02 Parking / Directional indicators ▪ 03 cab marker lights • Side Lighting includes <ul style="list-style-type: none"> ▪ 03 Parking / Directional indicators per side • Rear lighting includes <ul style="list-style-type: none"> ▪ 02 Parking / Directional indicators ▪ 02 Parking / Brake Lights ▪ 02 Reverse Lights ▪ 03 Marker Lights
Others	<ul style="list-style-type: none"> • Other Equipment includes <ul style="list-style-type: none"> ▪ Hazards / Warning System ▪ Cab Lights ▪ Instrument Panel Light ▪ Signal Horn ▪ 01 Amber Strobe Beacon on top of the cab ▪ Dynamic Running Lights
Safety System	
<ul style="list-style-type: none"> • Electronic safe load movement indicator controlling all load charts • It displays Boom Length, Boom Height from the ground, Boom Angle and Working Radius, Real and Admissible Load • Limit Switches on Boom Telescoping, Load Fitting and Lowering • Safety Alarms & Light Signals to be transmitted to operator 	
Cabins	
Driving Cabin	<ul style="list-style-type: none"> • Air Conditioned Truck Steel Cab • Having full visibility in all directions • Safety Glasses • Full Instrumentation • 02 Fully Adjustable Seats • Safety Alarm system with light signals

Working Cabin	<ul style="list-style-type: none"> • Air Conditioned Steel Cabin • Having full visibility in all directions • Safety Glasses • Touch Screen • Operator Panel in charge of all crane controls and electronic management • Safety Alarm System with light signals
Wheel & Tyres	
Front	4 Single, Size: 12.00 R24-20PR
Rear	8 Dual, Size: 12.00 R24-20PR
Spare Tyre with Rim	02 Nos.
Spare Parts	
Spares	05 years Operational Spares
Tools	
Complete Tool Kit	01 No.
Bucket type Grease Gun	01 No.
Technical Literature	
<ul style="list-style-type: none"> • Operational and Maintenance Manual • Trouble Shooting guide lines • Initial commissioning guide lines • Parts Catalogues (Engine & Chassis) with Material Codes and Drawings • Shop Manual (Engine & Chassis) • List of Spares along with complete Specifications / Part Number / Drawings / Nomenclature • Detailed Safety Precautions • All the literature as above must be in English Language 	
Pre-Shipment Inspection / Training	
Pre-Shipment Inspection / Training facility to buyer's 02 representatives to be offered by manufacturer (free of cost) including all expenses	
WARRANTY	
5000 hours or 02 years Warranty; to be started from the date of commissioning	
Variation in Technical Specifications	
Any variation in offered Technical Specifications / Data is subjected to the approval of indenter	