Excavator Series

SE450

Our newest, largest excavator

- Engine model: Cummins QSM11
- Rated power: 250 kW/2000 rpm
- Operating weight: 44.9 t

Product features

Original imported CUMMINS QSM11 six-cylinder engine with Tier III emissions.

Original imported hydraulic components, electrical dual pumps with full power cross+ negative flow control system, hydraulic pilot proportional operation, stable and reliable with low fuel consumption and high digging force.

Electronic control system: a dot-matrix multifunctional large LCD screen shows the machine's real time status, with self-diagnosis and recording functions. Choice of several operating modes to satisfy different work situations.

Newly designed cab with wide view and excellent safety performance. Engine hood and both side doors can be opened conveniently. Strengthened work devices and frame suited for rugged operating environment as mines and quarries.





SHANTUI
VALUE THAT WORKS

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SE450

Technical specifications:

Engine	
Model	Cummins Qsm11
Type	Six-cylinder in line, turbocharging, intercooling
No. of cylinder-bore x stroke	6 -125 x150 mm
Displacement	11 L
Power output	250 kW/2000 rpm

Bucket	
Bucket capacity	2 m^3
Bucket width	1438 mm

Digging Force	
Arm digging force	229 KN
Bucket digging force	270 KN

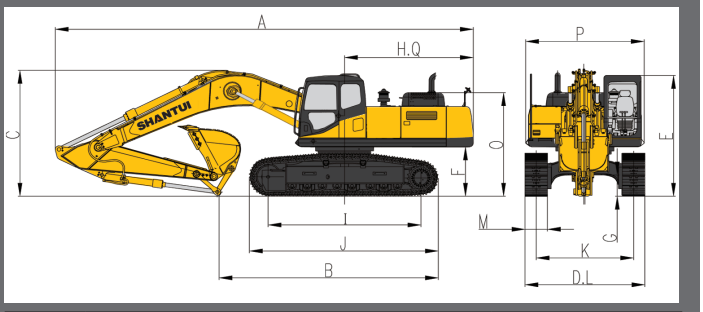
Travel System	
Travel motors	Variable axial piston motor
Travel shoes	2 x 49
Travel speed	3.2/5.3 km/h
Drawbar pulling force	330 KN
Grade ability	70% (35°)
Support roller quantities	2 x 8
carrier roller quantities	2 x 8

Hydraulic System	
Hydraulic pump form	2 variable plunger pump+ 1 gear pump
Rated flow	3 x 360+30 L/min
Travel circuit	31.4 MPa
Swing circuit	28.4 MPa
Control circuit	3.9 MPa

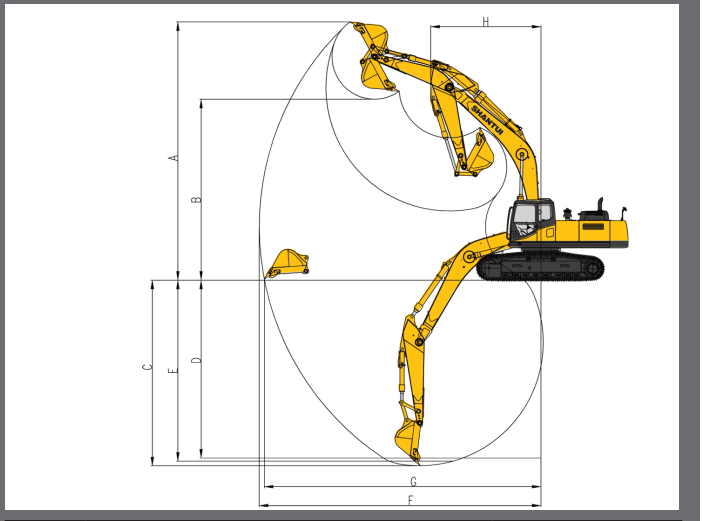
Swing System	
Swing speed	9.3 rpm
Brake	Pressure release, mechanical braking

Operating Weight and Ground Pressure	
Operating weight	44900 kg
Ground pressure	80.2 kPa

Oil Capacity	
Fuel tank	650 L
Cooling system	26 L
Engine oil	37.8 L
"Hydraulic tank oil/ System capacity	290/335 L



Dimensions		
	Arm (mm)	3400
A	Overall length (mm)	12089
B	Ground contact length (transportation) (mm)	6735
C	Overall height (to top of boom) (mm)	3560
D	Overall width (mm)	3360
E	Overall height (to top of cab) (mm)	3276
F	Counter weight ground clearance (mm)	1321
G	Ground clearance (mm)	557
H	Tail swing radius (mm)	3655
I	Tread (mm)	4290
J	Track length (mm)	5335
K	Track gauge (mm)	2760
L	Track width (mm)	3360
M	Shoe width (mm)	600
O	Bonnet height (mm)	2815
P	Revolving frame width (mm)	3195
Q	Distance from swivel center to tail (mm)	3655



Working Rang		
	Arm (mm)	3400
A	Max. digging hight (mm)	7800
B	Max. dumping height (mm)	7615
C	Max. digging depth (mm)	10924
D	Max. vertical digging depth (mm)	7066
E	Max. depth cut for 2440 mm level bottom (mm)	7650
F	Max. digging distance (mm)	12016
G	Max. digging radius at ground level (mm)	11814
H	Min. swing radius of work equipment (mm)	4825

► THE SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. THE PICTURES MAY INCLUDE OPTIONS.
THE ACTUAL COLOR & APPEARANCE OF THE PRODUCT MAY DIFFER FROM WHAT IS SHOWN.