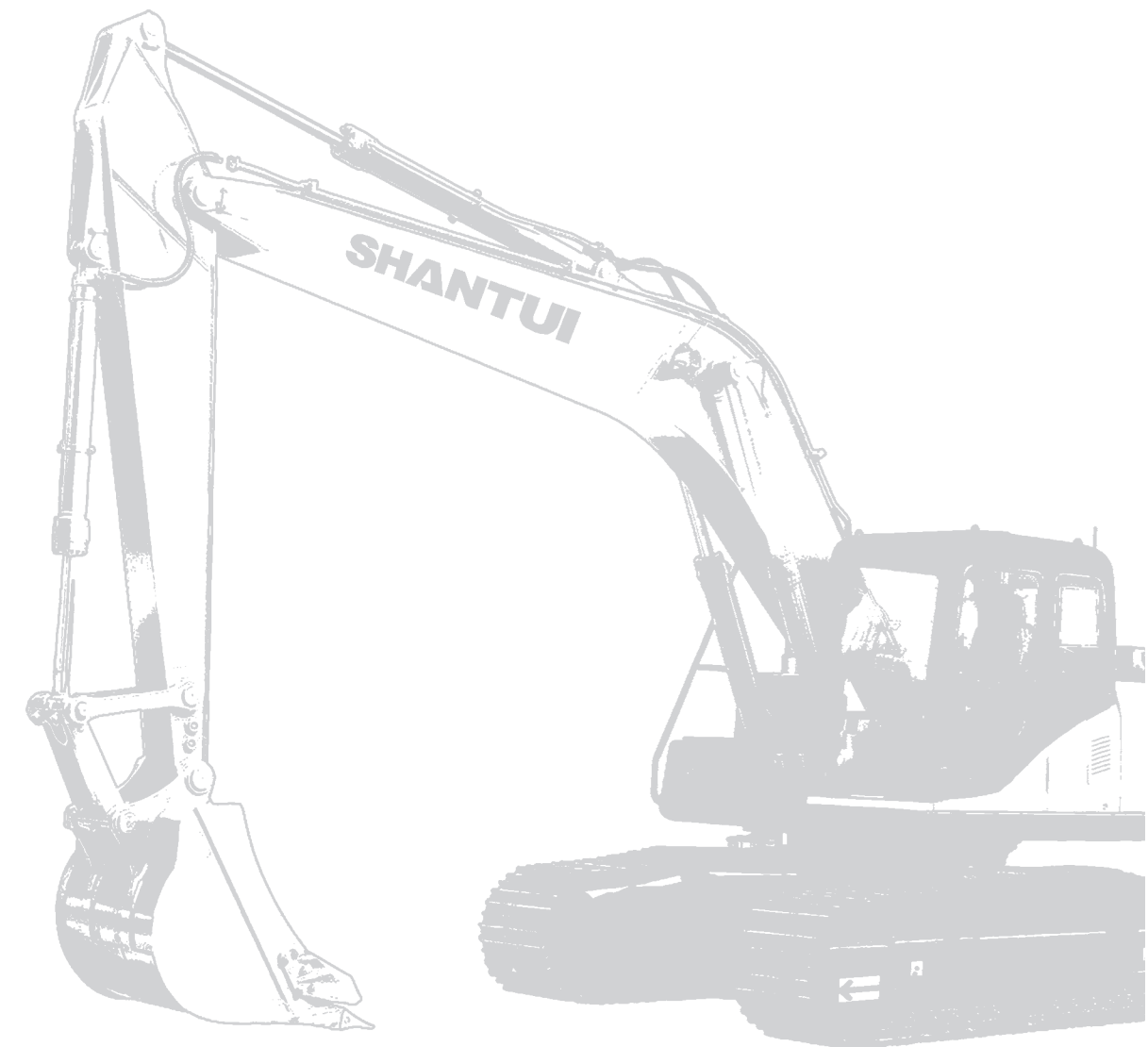


SHANTUI

EXCAVATOR

CHOOSE SHANTUI CHOOSE THE FUTURE



SHANTUI

**SHANDONG SHANTUI CONSTRUCTION MACHINERY
IMPORT & EXPORT CO.,LTD.**

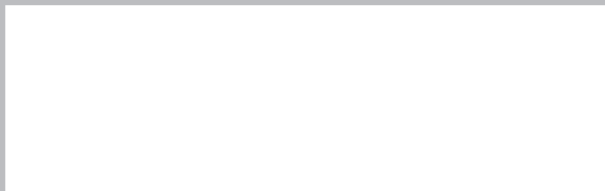
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SE130

Technical characteristics:

- Imported hydraulic parts, negative flow & electric control. High efficiency with the functions of boom confluence & diffuence, swing priority, flux regeneration.
- It is equipped with the electrical control system of the 3rd generation and GPS. It has many functions such as data transmission, long-distance diagnosis,etc.
- The new-type full-punching cabin is greatly punch-proof.
- The wider and longer undercarriage has improved the digging stability.



SE130

TECHNICAL SPECIFICATIONS

ENGINE

Rated Power.....86KW(115hp)/2200rpm
Model..... Cummins 4BTA3.9
Breath..... Turbo-charged, air cooled
Type.....4 cylinders,in line
Bore/stroke 102/120mm
Displacement..... 3.9L
Cooling Water cooled
Air filterDry air filter
Fuel tank..... 238 L
Throttle Control.....Electric control

WORKING DEVICE

Structure..... Low-alloy steel and Cast steel
Oil cylinder..... Specially sealed,anti-impact cylinder
Pins.....Sealed, easy maintenance
Hydraulic connections Split-flange connections
Bucket..... Optional bucket with safety hook

HYDRAULIC SYSTEM

Model of main pump Variable flow,double pump
Max flow2x110L/min

Working pressure 325kgf/cm²
System control..... Ess Negative Control System
Total Horsepower Control
Capacity of hydraulic oil tank..... 120L
Capacity of hydraulic system..... Max.400L
Hydraulic oil filter 3-phase filter
Hydraulic oil cooler Stacked radiator
Mode selection3 work pattens
F For fine adjustment
M..... For medium duty
H For high duty

HYDRAULIC OPERATION

Main valve Multi-direction Valve
Operation Controls Via proportional control valve to guidance control
Working device and swing..... Via proportional control valve to guidance control
Traveling..... Via proportional control valve to guidance control
Additional functions Via foot pedals switch

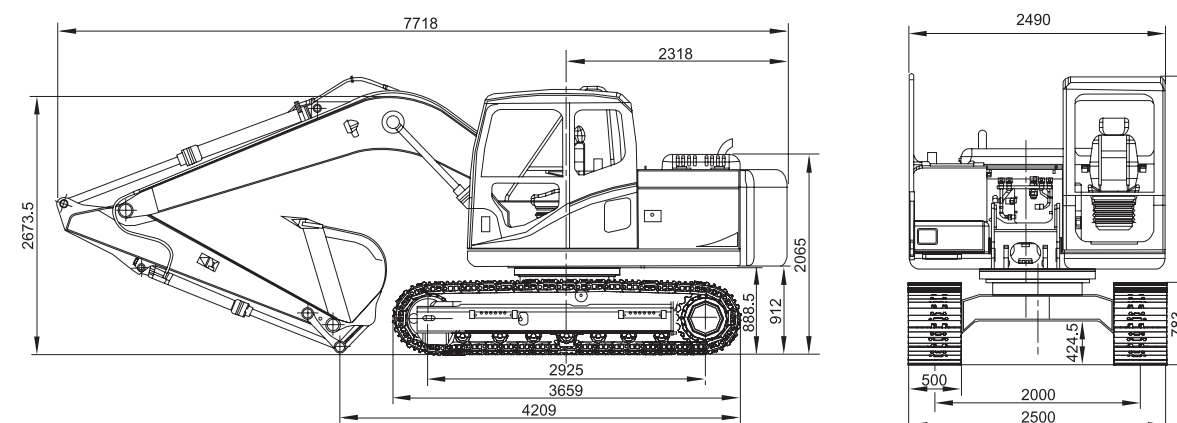
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Operator's seat.....6-direction adjustable
 seat with mountable head rest
 Monitor.....conditions via the LC display.
 Automatic monitoring,display, warning
 (acoustical andoptical signal)
 Air conditioner.....Cool & hot air conditioner

Voltage.....	24V
Batteries	2x80Ah/12V
Starting motor	24V/5.5KW
Alternator	24V/50A

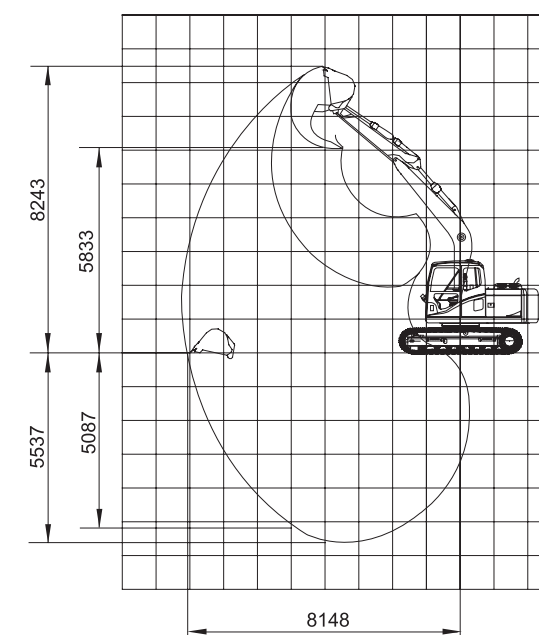
CabinResiliently mounted,
sound insulated,front window store overhead, door
with sliding windows

Model.....	X frame
Traveling motor.....	Axial variable plunger motor
Traveling speed	3.7/5.6km/h
Track.....	Maintenance-free
Track rollers/ carrier rollers(each side)	7/1
Track shoe	500mmThree-tooth Track shoe
Service brake.....	Wet double discs (Hydraulic oil released, spring applied)
Braking valve	Whole with traveling motor
Climbing ability	35°(70%)
Ground pressure(KPa)	43



DIGGING OR BIT

Arm length(m).....	2.5
Boom length(m)	4.6
Max.digging depth(m).....	5.53
Max.digging reach(m).....	8.29
Max.digging reach at ground level(m)	8.24
Max.dump height(m).....	5.83
Digging force of arm(kN)	57.8
Digging force of bucket cylinder(kN).....	76.5
Bucket capacity(m ³).....	0.65



OPERATING WEIGHT

Operating weight(kg) 12800



SE210



Technical characteristics:

- The imported CUMMINS engine provides a powerful horsepower, and the maintenance is convenient.
- Imported hydraulic parts, negative flow & electric control. High efficiency with the functions of boom confluence & diffuence, swing priority, flux regeneration.
- The new-type full-punching cabin is greatly punch-proof.
- Applying the three-dimensional and finite analysis to the working device and the frame & under carriage makes sure of the high reliability.



TECHNICAL SPECIFICATIONS

ENGINE

Rated Power..... 110KW(150hp)/1950rpm
Model..... CUMMINS 6BTAA5.9
Type.....6 cylinders,in line
Bore/stroke 102/120mm
Displacemend..... 5.9L
Breath..... Turbo-charged,air cooled
Cooling Water cooled
Air filter Dry air filter
Fuel tank..... 320L
Throttle Control.....Electrilc control

WORKING DEVICE

Structure..... Low-alloy steel and Cast steel
Oil cylinder..... Specially sealed,
anti-impact cylinder
Pins..... Sealed,easy maintenance
Hydraulic connections Split-flange connections
Bucket..... Optional bucket with safety hook

HYDRAULIC SYSTEM

Model of main pump..... T5V112DP-1XCR-9N17
Variable flow,double pump

Max flow2x205L/min
Working pressure 325kgf/cm²
System control..... Ess Negative Control System
Total Horsepower Control
Capacity of hydraulic oil tank..... 230L
Capacity of hydraulic system..... Max.430L
Hydraulic oil filter 3-phase filter
Hydraulic oil cooler Stacked radiator
Mode selection Four work pattens
F For fine adjustment
L.....For low duty
M..... For medium duty
H..... For high duty

HYDRAULIC OPERATION

Main valve Multi-direction Valve
Operation Controls Via proportional
control valve to guidance control
working device and swing..... Via proportional
controlvalve to guidance control
Additional functions Via foot pedals switch

SWING SYSTEM

DrivingLow speed big torque motor control
Swing reduction Planetary gear reduction
Swing ring.....Single-Row four-point
contact ball bearing slewing ring
Swing speed..... 11.5r/min
Swing torque.....9.9kN.m
BrakingWet double discs
(Hydraulic oil released,spring tense)

ELECTRICAL SYSTEM

Voltage.....24V
Batteries 2x110Ah/12v
Starthng motor 24V/7.5KW
Alternator24V/50A
Tier II engine starter..... 24V/4.5KW
Tire II engine generator.....24V/70A

CABIN

CabinResiliently mounted,
soundinsulated,front window store overhead,door
with sliding windows
Operatoris seat6-direction adjustable
seat with moountable head rest
Monitor..... Current operating conditionsvia
the LC display,Automatic monitoring,display,
warning(acoustical and optical signal)
Air conditionerCool & hot air conditioner

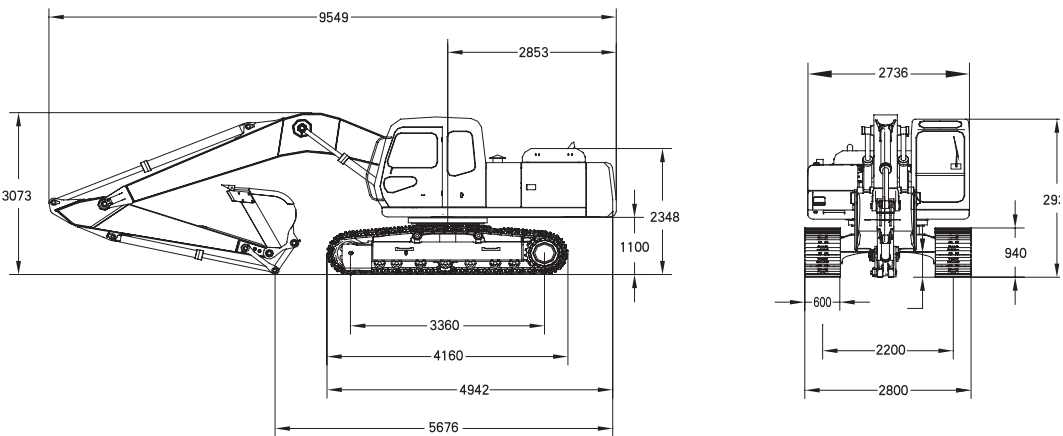
UNDERCARRIAGE

Model.....X frame
Traveling motor.....Axial variable plunger motor
Traveling speed Slow 0~3.5km/h
Fast 0~5.4km/h
Track..... Maintenance-free
Track rollers/ carrier rollers(each side) 7/2
Track shoe..... 600mmThree-tooth Track shoe
Service brake.....Wet double discs
(Hydraulic oil released,spring applied)
Braking valveWhole with traveling motor
Climbing ability35°(70%)

SE210

SE240

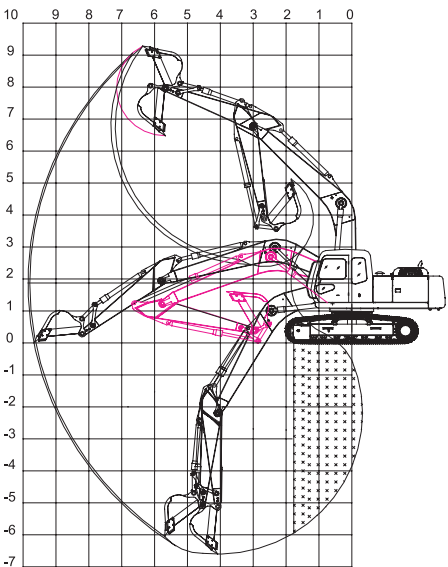
OVERALL DIMENSION



DIGGING OR BIT

Bucket			
Bucket width (mm)	600	1172	1800
Bucket capacity (m ³)	0.5	0.9	0.8

Arm length(m)	2.919
Max. digging depth(m)	6.62
Boom length(m)	5.7
Max. digging reach(m)	9.853
Max.digging reach at ground level(m)	9.305
Max. dump height(m)	6.475
Digging force of arm cylinder(KN)	92.5
Digging force of bucket cylinder(KN)	115



OPERATING WEIGHT

Operating weight (kg)20500

Technical characteristics:

- The imported CUMMINS B series engine, a largehorsepower, stable ability, high efficiency, low oil consumption noise and emission.
- Large cabin, adjustable seat, air conditioner and advanced guiding control system.The imported hydraulic parts, negative flow & electric control and the functions of boom confluence & disffluence,swing priority have made the digging more efficient.
- KAWASAKI hydraulic system and South Korean cylinders. Multifunctional monitor, four working modes, two ways to control the throttle: hand and electric.



The specifications are subject to change without notice.The pictures may include options. The actual color & appearance of Shantui product may differ from what they show.

SE240



TECHNICAL SPECIFICATIONS

ENGINE

Model	CUMMINS B5.9-C
Type ...	Water cooled; 6 cylinders in line; turbocharged
Bore and stroke	102×120(mm)
Displacement	5.9L
Power output.....	133kw/2000rpm
Max. torque	708N.m/1500rpm

TRAVEL SYSTEM

Travel motors	Variable axial motor
Travel brakes	Lubrication; double disc
Parking brakes	Pressure release
Travel shoes	2×51
Travel speed	3.2/4.9(km/h)
Drawbar pulling force	191kN
Gradeability	70%(35°)
Ground clearance.....	467.5mm

HYDRAULIC SYSTEM

Pump	original imported
Type	Variable double column pump
Max. discharge flow	2×208(L/min)
Max. discharge pressure	
Boom,arm and bucket	31.9MPa
Travel circuit	31.9MPa
Swing circui	25.5 MPa
Control circuit	3.9MPa
Pilot control pump.....	Gear pump
Main control valves	Flow control system
Cooling	Air cooled

CABIN & CONTROLS

Cabin	New ergonomic cab; strengthened compact structure; impact resistance; vibration
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damping pads support; vibration reduction; comfortable for working; broad vision; leather BS+PVC Plastic Technology, smooth lines of the outer surface; sturdy and durable	
Control	Double handle, double valve, manual accelerator, electric accelerator, double handle function: dig & revolve

BOOM, ARM & BUCKET

Boom cylinder	φ 130× φ 90×1285(mm)
Arm cylinder	φ 140× φ 100×1635(mm)
Bucket cylinder	φ 130× φ 90×1020(mm)

SWING SYSTEM

Swing motor type	Inclined motor
Brake	Pressure release
Parking brake	Lubricated double disc
Swing speed	10.6r/min
Tail swing radius	3086mm

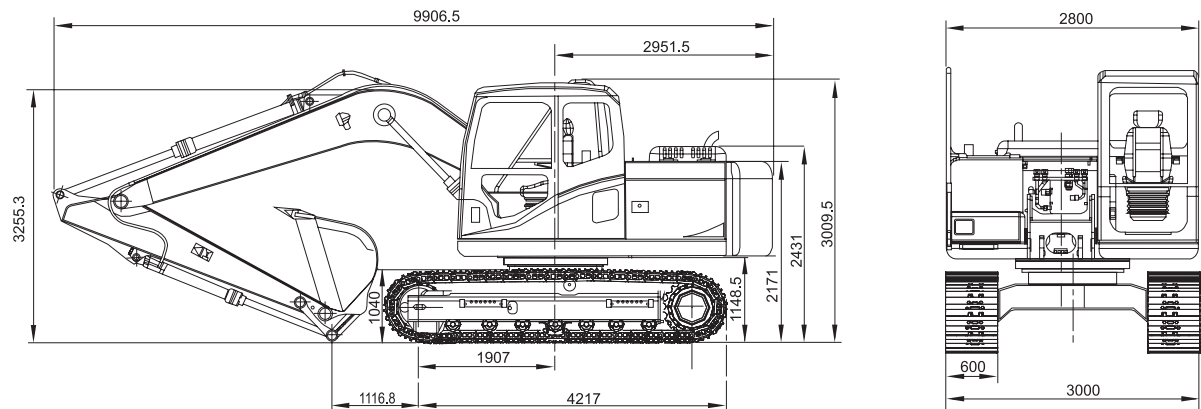
REFILLING CAPACITIES & LUBRICATIONS

Fuel tank	360L
Cooling system	25L
Engine oil	20L
Travel reduction gear	2×5.4L
Swing reduction gear	4.4L
Hydraulic oil tank	250L/420L

BUCKET

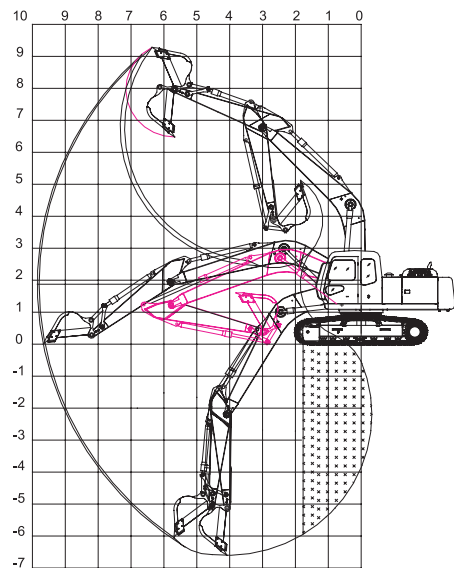
Use	Backhoe bucket
Bucket capacity.....	1.2 m ³
No. of bucket teeth	5
Bucket width	1259mm
Ground pressure(KPa)	48.2

OVERALL DIMENSION



DIGGING OR BIT

Arm length(m)	3.045
Max. digging reach(m).....	10.216
Boom length(m)	5.85
Max. digging reach at ground level(m)	10.029
Max. digging depth(m).....	6.853
Max. digging height(m)	9.625
Max. dump height(m)	6.823
Min.vertical wall digging depht(m)	6.566
Min. swing radius(m)	3.785
Digging force of arm cylinder(KN)	101
Digging force of bucket cylinder(KN).....	128.6



OPERATING WEIGHT

Operating weight (kg)	24100
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SE270

Technical characteristics:

- The imported CUMMINS B series engine, a largehorsepower, stable ability, high efficiency, low oil consumption noise and emission.
- Large cabin, adjustable seat, air conditioner and advanced guiding control system.The imported hydraulic parts, negative flow & electric control and the functions of boom confluence & disfluence,swing priority have made the digging more efficient.
- KAWASAKI hydraulic system and South Korean cylinders.Multifunctional monitor, four working modes, two ways to control the throttle: hand and electric.



TECHNICAL SPECIFICATIONS

ENGINE

Model.....	Cummins 6B5.9-C
Type.....	Water cooled; 6 cylinders in line; turbocharged;
Bore and stroke	102×120(mm)
Displacement.....	5.9L
Power output	133kw/2000rpm
Max. torque.....	708N.m/1500rpm

TRAVEL SYSTEM

Travel motors	Variable axial motor
Travel brakes	Lubrication; double disc
Parking brakes.....	Pressure release
Travel shoes	2×49
Travel speed	2.5/4.5(km/h)
Drawbar pulling force.....	245kN
Gradeability	70%(35°)
Ground clearance	495mm

HYDRAULIC SYSTEM

Pump	original imported
Type.....	Variable double column pump
Max. discharge flow.....	2×208(L/min)
Max. discharge pressure	
Boom,arm and bucket	31.9MPa
Travel circuit	31.9MPa
Swing circuit	25.5 MPa
Swing torque.....	13.8kN.m
Control circuit.....	3.9MPa
Pilot control pump.....	Gear pump
Main control valves.....	Flow control system
Cooling	Air cooled

CABIN & CONTROLS

Cabin	New ergonomic cab; strengthened compact structure; impact resistance; vibration
-------------	---

damping pads support; vibration reduction; comfortable for working; broad vision; leather BS+PVC Plastic Technology; smooth lines of the outer surface; sturdy and durable control.....	Double
handle, double valve, manual accelerator, electric accelerator, double handle function: dig & revolve	

BOOM, ARM & BUCKET

Boom cylinder.....	φ 140× φ 95×1155(mm)
Arm cylinder.....	φ 150× φ 105×1588(mm)
Bucket cylinder	φ 140× φ 95×970(mm)

SWING SYSTEM

Swing motor type	Inclined motor
Brake	Pressure release
Parking brake	Lubricated double disc
Swing speed	10.5r/min
Tail swing radius	3086mm

REFILLING CAPACITIES & LUBRICATIONS

Fuel tank.....	360L
Cooling system	25L
Engine oil.....	20L
Travel reduction gear.....	2×4.3L
Swing reduction gear.....	4.4L
Hydraulic oil tank	250L/420L

BUCKET

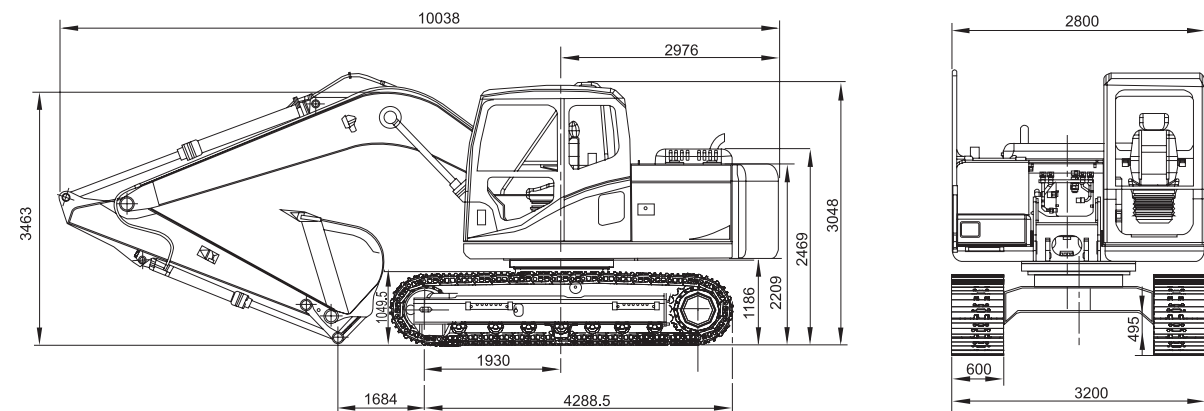
Use	Backhoe bucket
Bucket capacity	1.35 m ³
No. of bucket teeth	5
Bucket width	1336mm
Ground pressure(KPa)	52.7

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SE270

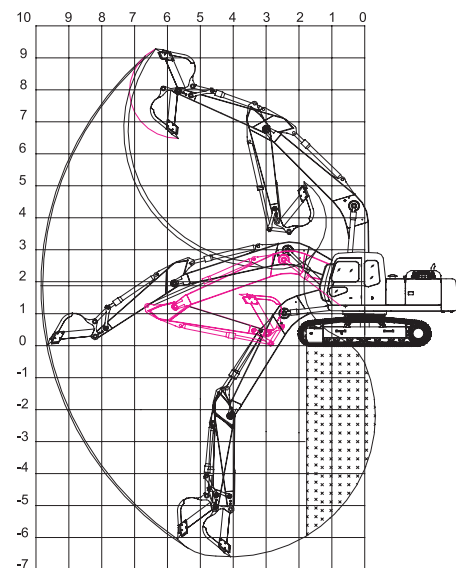


OVERALL DIMENSION



DIGGING OR BIT

Arm length(m)	3
Max. digging reach(m)	10.378
Boom length(m)	5.9
Max. digging reach at ground level(m)	10.21
Max. digging depth(m)	7.025
Max. digging height(m)	9.848
Max. dump height(m)	7.005
Min.vertical wall digging depht(m)	6.661
Min. swing radius(m)	3.9835
Digging force of arm cylinder(KN)	112
Digging force of bucket cylinder(KN)	138



OPERATING WEIGHT

Operating weight (kg)27200



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