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PC138USLC-2

HYDRAULIC EXCAVATOR

with Tier 3 Engine

NET HORSEPOWER
92 HP @ 2200 rpm

OPERATING WEIGHT
31,107–32,568 lb

BUCKET CAPACITY
0.34–1.00 yd³

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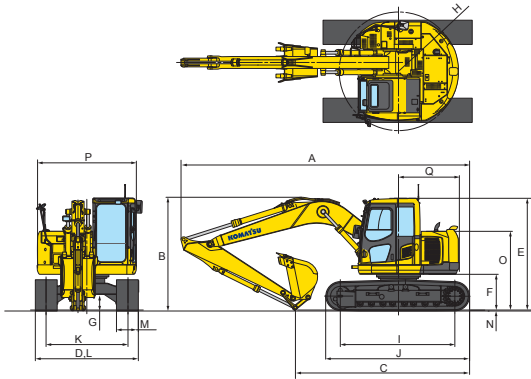
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DIMENSIONS



Boom Length	15'1"	15'1"
Arm Length	8'2"	9'10"
A Overall length	24'3"	23'11"
B Overall height (to top of boom)	9'4"	10'6"
C Length on ground (transport)	14'11"	14'5"

D Overall width	8'6"
E Overall height (to top of cab)	9'3"
F Ground clearance, counterweight	2'11"
G Minimum ground clearance	1'4"
H Tail swing radius	5'1"
I Length of track on ground	10'4"
J Track length	12'8"
K Track gauge	6'6"
L Width of crawler	8'6"
M Shoe width	24"
N Grouser height	0.8"
O Machine cab height	6'6"
P Machine cab width	8'2"
Q Distance swing center to rear end	5'1"

OPERATING WEIGHT (APPROXIMATE) 28,000lbs.

Operating weight including 15'1" one-piece boom, 8'2" arm, SAE heaped 0.65 yd³ backhoe bucket, rated capacity of lubricants, coolant, full fuel tank, operator, and standard equipment.

Model..... Komatsu SAA4D95LE-5
Type..... Water cooled, 4-cycle, direct injection
Aspiration..... Turbocharged, and air-to-air aftercooled
Number of cylinders..... 4
Bore..... 3.74"
Stroke..... 4.53"
Piston displacement..... 199 in³

Horsepower:
Gross (SAE J1995)..... 72 kW 97 HP @ 2200 rpm
Net (ISO 9249/SAE J1349)..... 68 kW 92 HP @ 2200 rpm
Governor..... All speed control, electronic

Lubrication system:
Method..... Gear pump, force-lubrication
Filter..... Full-flow

Air cleaner: Dry type with double elements and auto dust evacuator, plus dust indicator EPA Tier 3 emission ready.

HYDRAULICS SYSTEM

Type..... HydraMind (Hydraulic Mechanical Intelligence New Design) system,
Closed-center system with load-sensing valve and pressure-compensated valve

Main pump:
Type..... Variable capacity piston type
Pumps for Boom, arm, bucket, swing, and travel circuits
Maximum flow..... 64 U.S. gal/min

Hydraulic motors:
Travel..... 2 x piston motor with parking brake
Swing..... 1 x piston motor with swing holding brake

Relief valve setting:
Implement circuits..... 5,050 psi
Swing circuit..... 2,320 psi
Pilot circuit..... 470 psi

Hydraulic cylinders: Number of cylinders – bore x stroke)
Boom..... 4.1" x 41.5"
Arm..... 4.3" x 46.3"
Bucket..... 3.7" x 34.8"

SWING SYSTEM

Driven by..... Hydraulic motor
Swing reduction..... Planetary gear
Swing circle lubrication..... Grease-bathed
Swing lock..... Wet, multiple-disc brake
Swing speed..... 11.0 rpm
Swing torque..... 21,627 ft lbs

DRIVES AND BRAKES

Steering control..... Two levers with pedals
Drive method..... Fully hydrostatic
Maximum drawbar pull..... 27,560 lbf
Maximum travel speed:
High..... 3.2 mph
Low..... 1.8 mph
Service brake..... Hydraulic lock
Parking brake..... Wet, multiple-disc

UNDERCARRIAGE

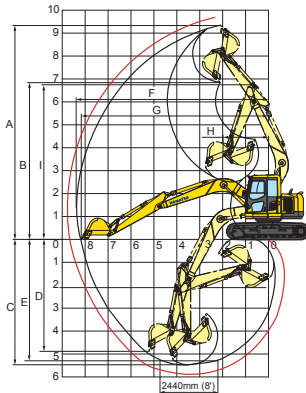
Center frame..... X-leg frame
Track frame..... Box-section
Track type..... Sealed track
Track adjuster..... Hydraulic
Number of shoes..... 46 each side
Number of carrier rollers..... 2 each side
Number of track rollers..... 8 each side

COOLANT AND LUBRICANT CAPACITY (REFILLING)

Fuel tank..... 52.8 U.S. gal
Radiator..... 3.8 U.S. gal
Engine..... 2.9 U.S. gal
Final drive, each side..... 0.7 U.S. gal
Swing drive..... 0.7 U.S. gal
Hydraulic tank..... 18.2 U.S. gal



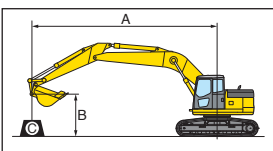
WORKING RANGE



Arm	8'2"	9'10"
A Max. digging height	30'8"	31'10"
B Max. dumping height	22'5"	24'1"
C Max. digging depth	18'0"	19'4"
D Max. vertical wall digging depth	16'1"	17'6"
E Max. digging depth 8' level bottom	17'3"	18'9"
F Max. digging reach	27'3"	28'7"
G Max. digging reach at ground level	26'10"	28'3"
H Min. swing radius	6'6"	7'5"
I Max. height at min. swing radius	22'3"	22'3"



LIFTING CAPACITIES



- A: Reach from swing center
- B: Bucket hook height
- C: Lifting capacity
- Cf: Rating over front
- Cs: Rating over side
- ⊕: Rating at maximum reach

- Conditions:
- Boom length: 4600 mm 15'1"
 - Bucket: 0.50 m³ 0.65 yd³
 - Bucket weight: 400 kg 883 lb.
 - Lifting mode: On

Arm: 8'2"	B	A	Shoe: 20"										Unit: kg lb			
			5'		10'		15'		20'		25'		⊕ Maximum			
			Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
25'					*6,910	*6,910									*4,760	*4,760
20'							*6,750	*6,750							*3,730	*3,730
15'							*7,540	*7,540	*6,020	4,740					*3,460	*3,460
10'					*12,620	*12,620	*9,460	7,420	7,730	4,620					*3,490	*3,490
5'					*18,060	13,140	*11,610	6,990	7,510	4,430					*3,740	3,290
0'					*13,810	12,330	*11,630	6,620	7,330	4,260					*4,280	3,330
-5'	*7,700	*7,700			*18,890	12,310	11,430	6,540	7,240	4,180					*5,360	3,700
-10'	*15,650	*15,650			*16,100	12,310	*10,910	6,470							*7,670	4,720
-15'																

* Load is limited by hydraulic capacity rather than tipping. Ratings are based on SAE Standard No. J1097. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

Arm: 8'2"	B	A	Shoe: 24"										Unit: kg lb			
			5'		10'		15'		20'		25'		⊕ Maximum			
			Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
25'					*6,910	*6,910									*4,760	*4,760
20'							*6,750	*6,750							*3,730	*3,730
15'							*7,540	*7,540	*6,020	4,800					*3,460	*3,460
10'					*12,620	*12,620	*9,460	7,510	7,840	4,690					*3,490	*3,490
5'					*18,060	13,300	*11,610	7,080	7,620	4,490					*3,740	3,340
0'					*13,810	12,490	*11,790	6,710	7,440	4,320					*4,280	3,380
-5'	*7,700	*7,700			*18,890	12,310	11,580	6,540	7,340	4,240					*5,360	3,760
-10'	*15,650	*15,650			*16,100	12,460	*10,910	6,560							*7,670	4,790
-15'																

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