



PC230F-11

Tier 4 Final Engine



Photo may include optional equipment

PC230F-11 Purpose Built Processor

Net horsepower

197 HP @ 2,050 rpm

147 kW @ 2,050 rpm

Operating weight

67,516 lbs (30,625 kg)

New features



- **Tier 4 engine increased power (197 HP)**

- Auto Power Max
- Forestry wide fin coolers
- Double capacity fuel tank

- **Improved cooler compartment sealing**

- **Forestry cab with expansive view**

- Bluetooth radio
- Premium heated and cooled seat
- 32mm (1.26 in.) polycarbonate front window
- 4-point-harness seat belt
- Komtrax (Gateway controller)

- **Purpose-built work equipment**

- **Processor provisions**

- **Heavy-duty forestry idler cushions**

- **Factory single piece ski-type roller**

- **Large-capacity tool box**



All comparisons are made with respect to the prior Komatsu model unless otherwise specifically stated.
Photos may include optional equipment.

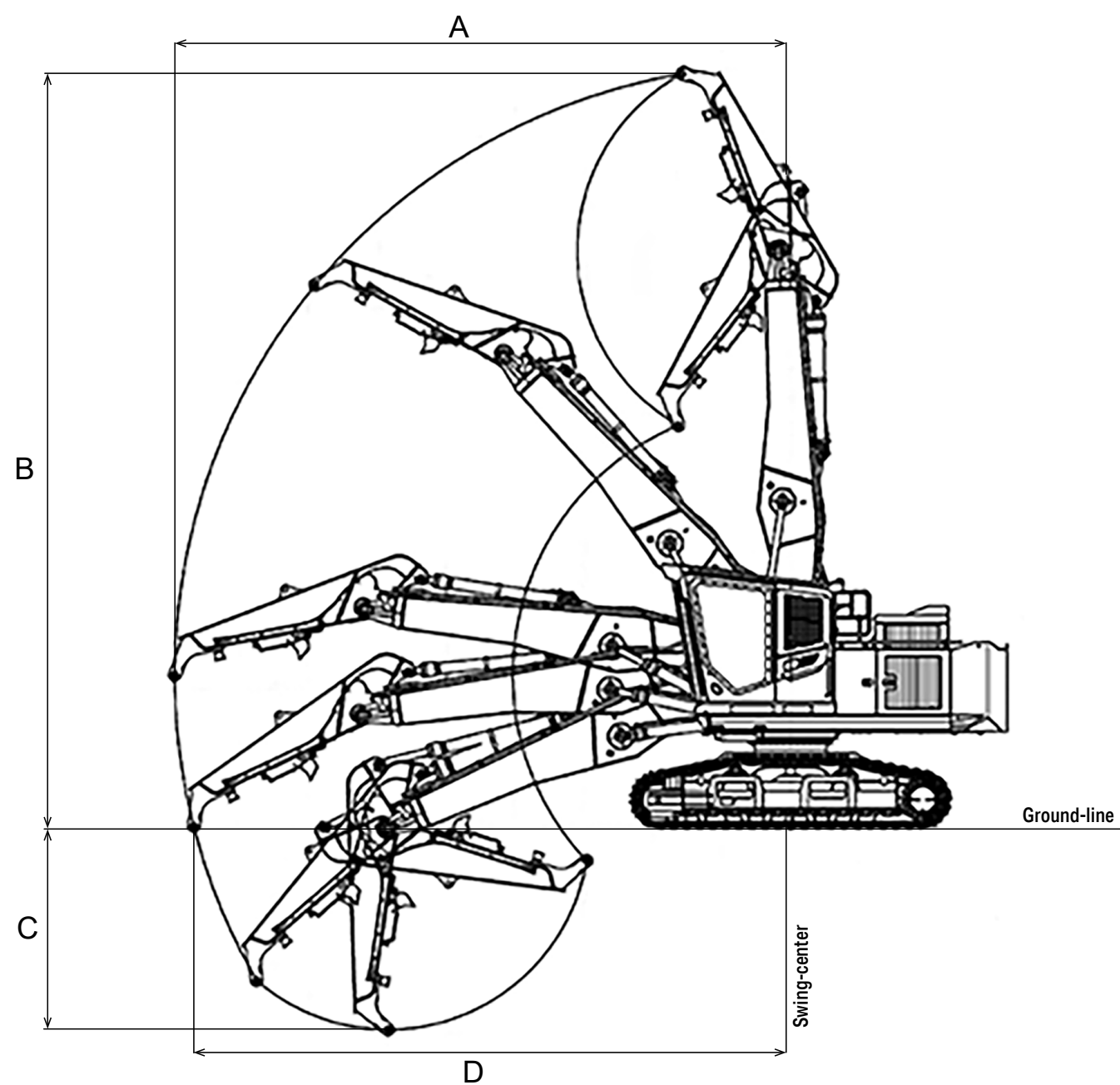
Designed for tough conditions



Forestry processing applications are a challenging task in often difficult environments, and Komatsu forestry excavators are built specifically to tackle these situations. Rugged front work equipment, high and wide undercarriage, powerful swing system and special cooling system promote high performance in demanding processing applications.

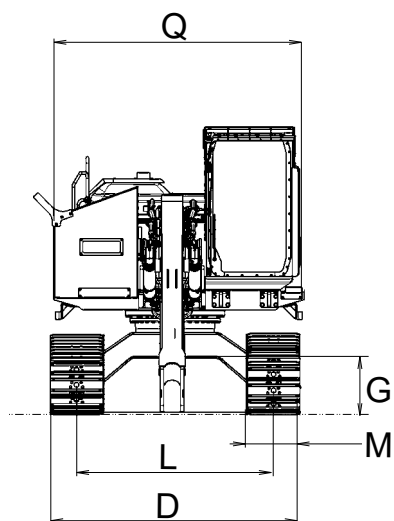
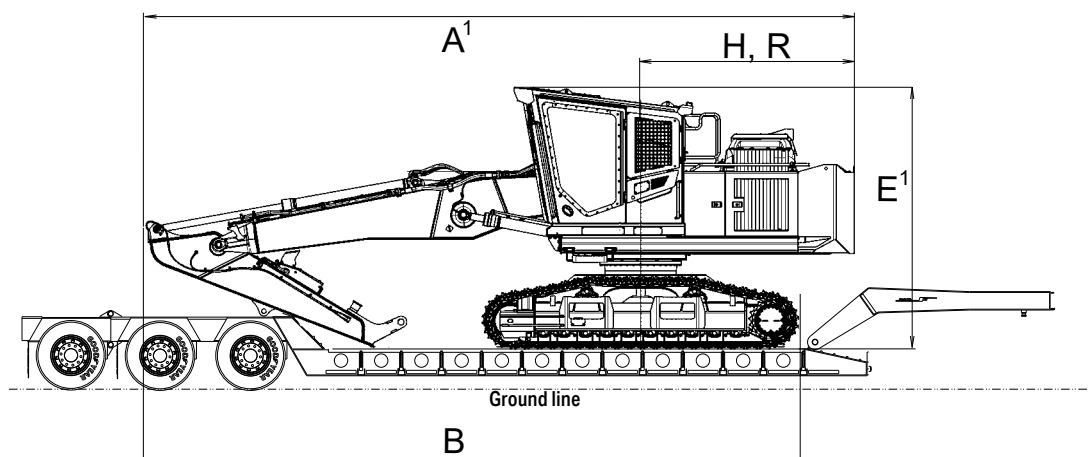
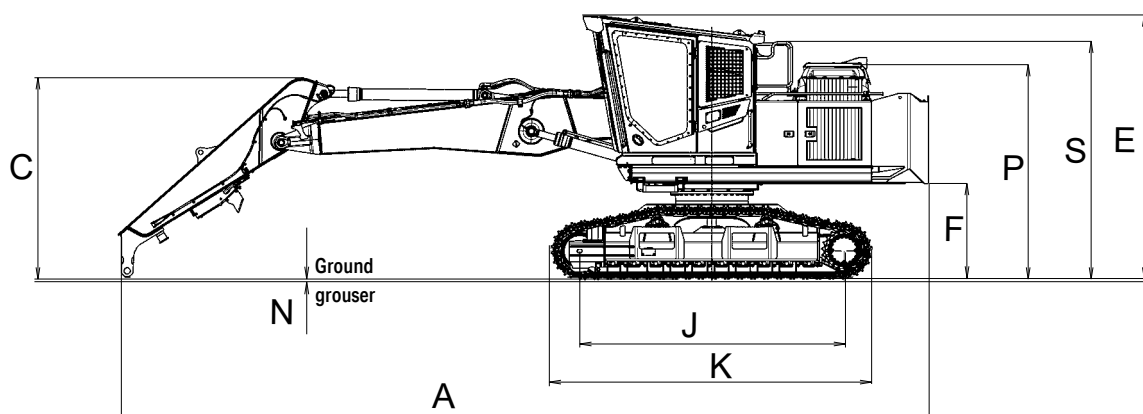
PC230F-11 shown includes Southstar QS500 processing head

PC230F-11



Processor

A	Maximum reach	8 951 mm (29.3 ft.)
B	Maximum height	10 912 mm (35.8 ft.)
C	Maximum depth	2 951 mm (9.7 ft.)
D	Maximum reach (ground level)	8 675 mm (28.4 ft.)



Dimensions

A	Overall length	11 741 mm (38.5 ft.)
A1	Overall length (transport)	10 415 mm (34.2 ft.)
B	Length on ground (transport)	9 594 mm (31.5 ft.)
C	Overall height (top of arm)	2 895 mm (9.5 ft.)
D	Overall width (high and wide)	3 327 mm (10.9 ft.)
E	Overall height (top of cab)	3 802 mm (12.5 ft.)
E1	Overall height (transport)	3 837 mm (12.6 ft.)
F	Ground clearance (revo frame)	1 363 mm (4.5 ft.)
G	Ground clearance (track frame)	716 mm (2.3 ft.)
H	Tail swing radius	3 240 mm (10.7 ft.)
J	Track length on ground	3 845 mm (12.6 ft.)
K	Track length	4 673 mm (15.3 ft.)
L	Track gauge	2 627 mm (8.6 ft.)
M	Shoe width	700 mm (2.3 ft.)
N	Grouser height	35 mm (1 in)
P	Machine height (hood)	3 115 mm (10.3 ft.)
Q	Machine width	3 342 mm (10.7 ft.)
S	Machine height (top of handrail)	3 427 mm (11.3 ft.)

Specifications

Engine

Model	Komatsu SAA6D107E-3*	
Type	Water-cooled, 4-cycle, direct injection	
Aspiration	Komatsu variable geometry turbocharged, aftercooled, cooled EGR	
Number of cylinders	6	
Bore	107 mm	4.21"
Stroke	124 mm	4.88"
Piston displacement	6.69L	408 in ³
Horsepower		
SAE J1995 (gross)	159 kW	213 HP
ISO 9249/SAE J1349 (net)	147 kW	197 HP
Rated rpm	2,050 rpm	
Fan drive method for radiator cooling	Mechanical	
Governor	All-speed control, electronic	

*U.S. EPA Tier 4 final emission certified

Hydraulics

Type: HydrauMind (Hydraulic Mechanical Intelligence system), closed-center system with load sensing valves and pressure compensated valves			
Number of selectable working modes			6
Main pump			
Type	Variable displacement piston type		
Pumps for	Boom, arm, swing and travel circuits		
Maximum flow	475 L/min	125.5 gpm	
Supply for control circuit	Self-reducing valve		
Hydraulic motors			
Travel	2 x axial piston motors with parking brake		
Swing	1 x axial piston motor with swing holding brake		
Relief valve setting			
Implement circuits	38.0 MPa	387 kg/cm²	5,511 psi
Travel circuit	38.0 MPa	387 kg/cm²	5,511 psi
Swing circuit	28.4 MPa	289 kg/cm²	4,119 psi
Pilot circuit	3.3 MPa	33 kg/cm²	478 psi
Hydraulic cylinders (Number of cylinders - bore x stroke x rod diameter)			
Boom (2)	135 mm x 1 335 mm x 95 mm	5.3" x 52.6" x 3.7"	
Arm (1)	140 mm x 1 635 mm x 100 mm	5.3" x 64.4" x 3.9"	

Drives and brakes

Steering control	Two levers with pedals	
Drive method	Hydrostatic	
Maximum drawbar pull	212 kN	21 618 kgf 47,659 lbf
Gradeability	70%, 35°	
Maximum travel speed		
High	5.6 km/h	3.5 mph
Mid (auto-shift)	3.7 km/h	2.3 mph
Low (auto-shift)	2.9 km/h	1.8 mph
Service brake	Hydraulic lock	
Parking brake	Mechanical disc brake	

Swing system

Drive method	Hydrostatic	
Swing reduction	Planetary gear	
Swing circle lubrication	Grease-bathed	
Service brake	Hydraulic lock	
Holding brake/swing lock	Mechanical disc brake	
Swing speed	11.7 rpm	
Swing torque	8 065 kgm	58,334 ft lbs

Undercarriage

Center frame	X-frame	
Track frame	Box-section	
Seal of track	Sealed track	
Track adjuster	Hydraulic	
Number of shoes (each side)	48	
Number of carrier rollers (each side)	2	
Number of track rollers (each side)	10	

Coolant (refilling) and lubricant capacity

Fuel tank	813 L	214.8 US gal
Coolant	35.5 L	9.4 US gal
Engine	23.1 L	6.1 US gal
Final drive (each side)	5 L	1.3 US gal
Swing drive	7.2 L	1.9 US gal
Hydraulic tank	132 L	34.9 US gal
Hydraulic system	253 L	66.8 US gal
DEF tank	23.1 L	6.1 US gal

Operating weight

Processor includes:		
Forestry cab with 178 mm (7in) riser		
700 mm (28") double grouser shoes		
Processor boom 6 160 mm (20.2 ft.)		
Processor arm 2 920 mm (9.58 ft.)		
Variable pitch reversing fan		
Heavy counterweight with additional capacity fuel tank		
Rated capacity of lubricants		
Coolant		
Operator and standard equipment (no head)		
Operating weight	30 625 kg	67,516 lbs.
Ground pressure	.52 kg/cm ²	7.53 psi

Standard & optional equipment

Engine and related components

standard • optional ○

Engine, Komatsu SAA6D107E-3, Tier 4 final	
Gross HP (J1995): 213 HP (159 kW)	•
Net HP (J1349): 197 HP (147 kW)	
Komatsu Diesel Particulate Filter (KDPF)	•
Selective Catalytic Reduction (SCR)	•
After-cooled, turbocharged direct injection	•
Air cleaner, double element	•
Fuel pre-filter, 10 micron	•

Cooling system

Radiator/oil cooler (8.5 fins per inch)	•
Variable pitch, automatic reversing fan	•

Electrical system

Alternator (90 amps / 24V)	•
Large capacity batteries (2 x 12V)	•
Starter motor (5.5 kW / 24 V x1)	•
Working Lights: 11 LED Lights	•
Engine shutdown secondary switch	•
Battery disconnect switch	•
24V-12V converter, 30 amp	○

Undercarriage

High/wide forestry undercarriage	•
Heavy duty revolving frame	•
700 mm (28") double grouser shoes	•
Track rollers, HD 10/side	•
Carrier rollers (2), track type/side	•
Heavy duty recoil spring	•
Heavy duty tow hooks	•
Track guard full-length ski-type	•

Guards and covers

Dustproof net for radiator and oil cooler	•
HD forestry guards	•
HD doors, 6mm (1/4") thick	•
HD underguard 6mm (.27") thick	•
Corner post/front guard	•
Pump/engine partition cover	•
Forestry debris screens	•
Grip strut walkways	•
Boom cylinder guard	•

Operator environment

standard • optional ○

Komatsu Forestry Cab with 7" fixed riser	•
32mm (1.25") polycarbonate front window	•
ROPS/OPS/TOPS/FOPS/WCB/Oregon OSHA certified	•
Automatic HVAC	•
Low vibration viscous cab floor mounts	•
Monitor panel, LCD, high resolution color	•
(EMMS) management system	•
Seat, high back, air suspension, heated/cooled	•
Radio with Bluetooth	•

Work equipment

Processor boom 6.16 m (20.2 ft.)	•
Processor arm 2.92 m (9.58 ft.)	•
Processor-specific piping package	•
Case drain filter, high pressure filtration	•
Return filtration	○

Hydraulic controls

Axial piston swing motor (1)	•
Axial piston travel motors (2)	•
Variable capacity piston pumps (2)	•
Closed Center Load Sensing Pumps (CCLS)	•
Hydraulic pump high-pressure discharge filters	•
PC240-class swing bearing and swing machinery	•
Engine/hydraulic overheat prevention system	•

Drive and brake system

PC240-class final drives	•
3-speed travel with auto shift	•

Other equipment

Komatrax Level 5.0 monitoring system	•
Rear view monitoring camera	•
Side view monitoring camera	○



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