

KOMATSU

PW160-11

EU Stage IV Engine

HYDRAULIC WHEELED EXCAVATOR



PW160

ENGINE POWER

110 kW / 148 HP @ 2.000 rpm

OPERATING WEIGHT

16.190 - 18.590 kg

BUCKET CAPACITY

max. 1,13 m³

Walk-Around

PW160-11



INCREASED FUEL EFFICIENCY AND ENVIRONMENTAL PERFORMANCE

Powerful and environmentally friendly

- NEW** • EU Stage IV engine
- NEW** • Adjustable idle shutdown
- Komatsu fuel-saving technology
- Excellent travel performance
- High lift capacity

Total versatility

- Compact design with short tail swing radius
- Ideal for a wide range of applications
- Additional hydraulic circuit
- A wide choice of options

First-class operator comfort

- NEW** • Premium air-suspended operator seat with integrated joystick consoles
- NEW** • Boom suspension system (ECSS)
- NEW** • KomVision surround view system
- NEW** • Improved widescreen monitor
- NEW** • Optional joystick steering system

State of the art controls

- Proportional controls for attachments
- NEW** • Improved, ergonomic switches
- 6 working modes

Easy maintenance

- NEW** • Improved service access
- Extended undercarriage maintenance interval
- Centralised greasing system
- NEW** • User-friendly location of the electric refuelling pump
- NEW** • Simple access to the AdBlue® tank

KOMTRAX

- Komatsu Wireless Monitoring System
- NEW** • 3G mobile communications
- Increased operational data and fuel savings
- NEW** • Integrated communication antenna



A maintenance program
for Komatsu customers

Specifications

ENGINE

Model	Komatsu SAA4D107E-3
Type	Common rail direct injection, water-cooled, emissionised, turbocharged, after-cooled diesel
Engine power	
at rated engine speed	2.000 rpm
ISO 14396	110 kW / 148 HP
ISO 9249 (net engine power)	104 kW / 139 HP
No. of cylinders	4
Bore x stroke	107 x 124 mm
Displacement	4,5 l
Air filter type	Double element type with monitor panel dust indicator and auto dust evacuator
Cooling	Suction type cooling fan with radiator fly screen

HYDRAULIC SYSTEM

Type	HydrauMind. Closed-centre system with load sensing and pressure compensation valves
Additional circuits	Depending on the specification up to 2 additional proportional control & quick coupler circuits can be installed
Main pump	Variable displacement piston pump supplying boom, arm, bucket, swing and travel circuits
Maximum pump flow	308 l/min
Relief valve settings	
Implement	380 kg/cm ²
Travel	420 kg/cm ²
Swing	295 kg/cm ²
Pilot circuit	36 kg/cm ²

BRAKE SYSTEM

Type	Dual circuit hydraulic braking system supplied from a separate gear pump
Service brakes	Pedal actuated wet multi-disc brakes integrated into the axle hubs
Parking brake	Electrically actuated wet multi-disc "spring actuation hydraulic release" brake integrated into the transmission

STEERING SYSTEM

Steering control	Hydraulic steering system supplied from a separate gear pump and controlled through LS orbitrol & priority valves
Minimum turning radius	6.790 mm (to center of outer wheel)

SWING SYSTEM

Type	Axial piston motor driving through planetary double reduction gearbox
Swing lock	Electrically actuated wet multi-disc brake integrated into swing motor
Swing speed	0 - 11 rpm
Swing torque	41 kNm

TRANSMISSION

Type	Fully automatic power shift transmission with permanent 4 wheel drive
Travel motors	One variable displacement axial piston motor
Maximum pressure	380 bar
Travel modes	Automatic + 3 travel modes
Max. travel speeds	
Hi / Lo / Creep	35,0 / 10,0 / 2,5 km/h
A max. speed restriction of 20 km/h is available as an option	
Maximum drawbar pull	10.900 kg
Axle oscillation	10° Lockable in any position from the operator cab

SERVICE REFILL CAPACITIES

Fuel tank	325 l
Radiator	22 l
Engine oil	18 l
Swing drive	4,5 l
Hydraulic tank	166 l
Transmission	3,0 l
Front differential	9,5 l
Rear differential	12,4 l
Front axle hub	2,5 l
Rear axle hub	2,5 l
Swing pinion grease bath amount	9,0 l
AdBlue® tank	29,6 l

ENVIRONMENT

Engine emissions	Fully complies with EU Stage IV exhaust emission regulations
Noise levels	
LwA external	102 dB(A) (2000/14/EC Stage II)
LpA operator ear	69 dB(A) (ISO 6396 dynamic test)
Vibration levels (EN 12096:1997)	
Hand/arm	≤ 2,5 m/s ² (uncertainty K = 0,49 m/s ²)
Body	≤ 0,5 m/s ² (uncertainty K = 0,16 m/s ²)
Contains fluorinated greenhouse gas HFC-134a (GWP 1430). Quantity of gas 0,9 kg, CO ₂ equivalent 1,29 t	

OPERATING WEIGHT (APPR.)

Undercarriage attachment type	Mono boom	Two-piece boom
Without	16.190 kg	16.590 kg
Rear blade	16.910 kg	17.310 kg
Rear outrigger	17.190 kg	17.590 kg
2 outriggers + blade	17.910 kg	18.310 kg
4 outriggers	18.190 kg	18.590 kg

Operating weight, including specified work equipment, 2.500 mm arm, operator, lubricant, coolant, full fuel tank, bucket (475 kg) and the standard equipment.

MAX. BUCKET CAPACITY AND WEIGHT

Mono boom			
Arm length	2,1 m	2,5 m	3,0 m
Material weight up to 1,2 t/m ³	1,13 m ³ 675 kg	0,75 m ³ 525 kg	0,66 m ³ 495 kg
Material weight up to 1,5 t/m ³	0,94 m ³ 615 kg	0,66 m ³ 495 kg	0,56 m ³ 465 kg
Material weight up to 1,8 t/m ³	0,75 m ³ 525 kg	0,56 m ³ 465 kg	0,47 m ³ 435 kg

Two-piece boom			
Arm length	2,1 m	2,5 m	3,0 m
Material weight up to 1,2 t/m ³	1,13 m ³ 675 kg	1,04 m ³ 645 kg	0,94 m ³ 615 kg
Material weight up to 1,5 t/m ³	0,94 m ³ 615 kg	0,85 m ³ 585 kg	0,75 m ³ 525 kg
Material weight up to 1,8 t/m ³	0,75 m ³ 525 kg	0,75 m ³ 525 kg	0,66 m ³ 495 kg

Max. capacity and weight have been calculated according to ISO 10567:2007.

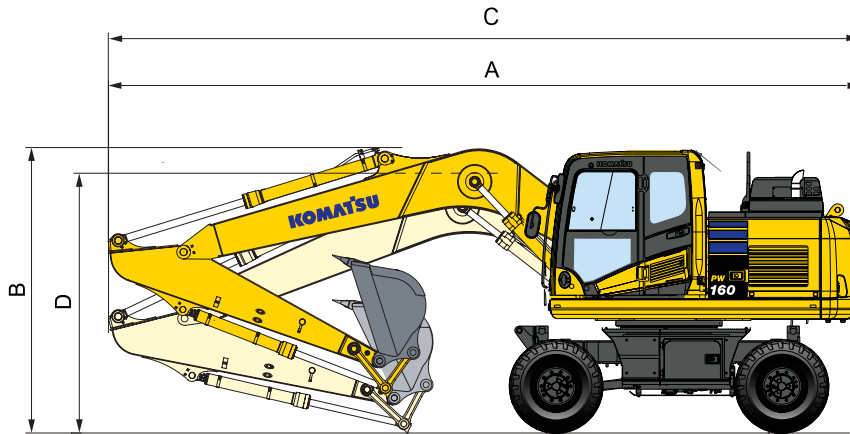
Please consult with your distributor for the correct selection of buckets and attachments to suit the application.

BUCKET AND ARM FORCE

Arm length	2,1 m	2,5 m	3,0 m
Bucket digging force	95 kN	95 kN	95 kN
Bucket digging force at PowerMax	102 kN	102 kN	102 kN
Arm crowd force	71 kN	60 kN	50 kN
Arm crowd force at PowerMax	76 kN	64 kN	53 kN

Dimensions & Performance Figures

MONO BOOM



Driving position

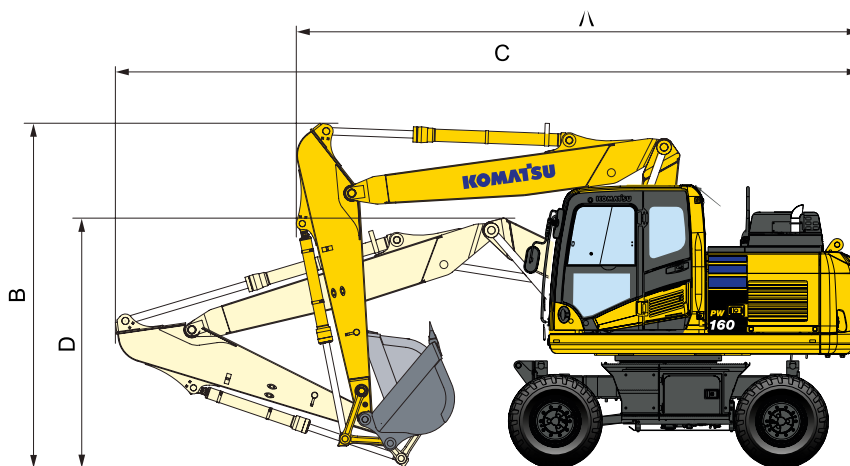
Arm length	A	B
2.100 mm	8.020 mm	3.965 mm
2.500 mm	8.020 mm	3.965 mm
* 3.000 mm	8.075 mm	3.965 mm

* Driving position without bucket

Transport position

Arm length	C	D
2.100 mm	8.325 mm	2.990 mm
2.500 mm	8.350 mm	3.070 mm
3.000 mm	8.885 mm	3.290 mm

TWO-PIECE BOOM



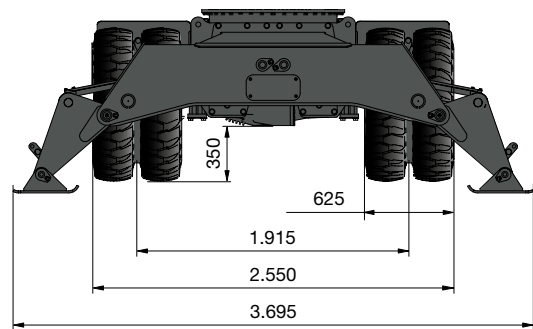
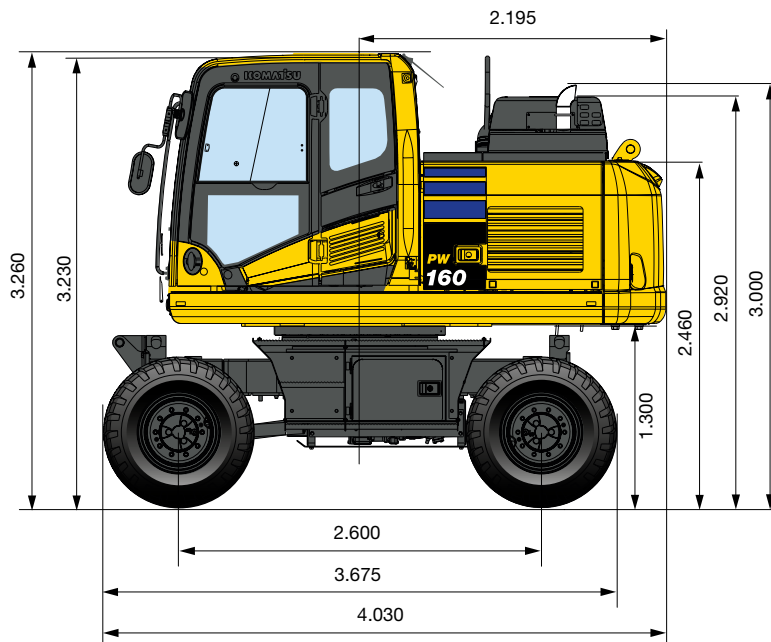
Driving position

Arm length	A	B
2.100 mm	6.040 mm	3.995 mm
2.500 mm	6.085 mm	3.995 mm
* 3.000 mm	6.245 mm	3.995 mm

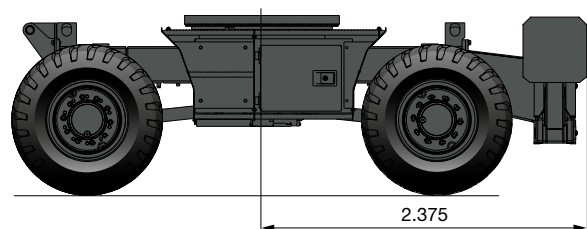
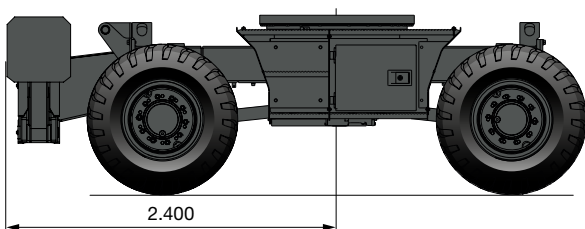
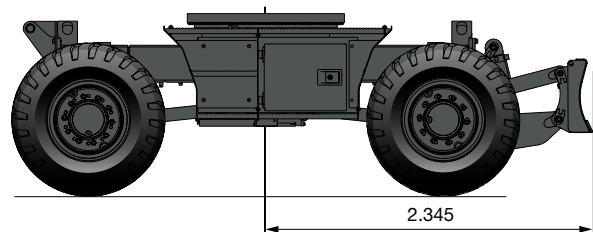
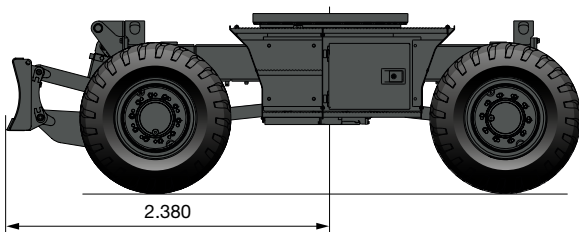
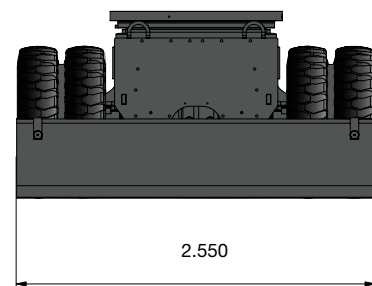
* Driving position without bucket

Transport position

Arm length	C	D
2.100 mm	8.225 mm	3.085 mm
2.500 mm	8.250 mm	3.170 mm
3.000 mm	8.285 mm	3.380 mm

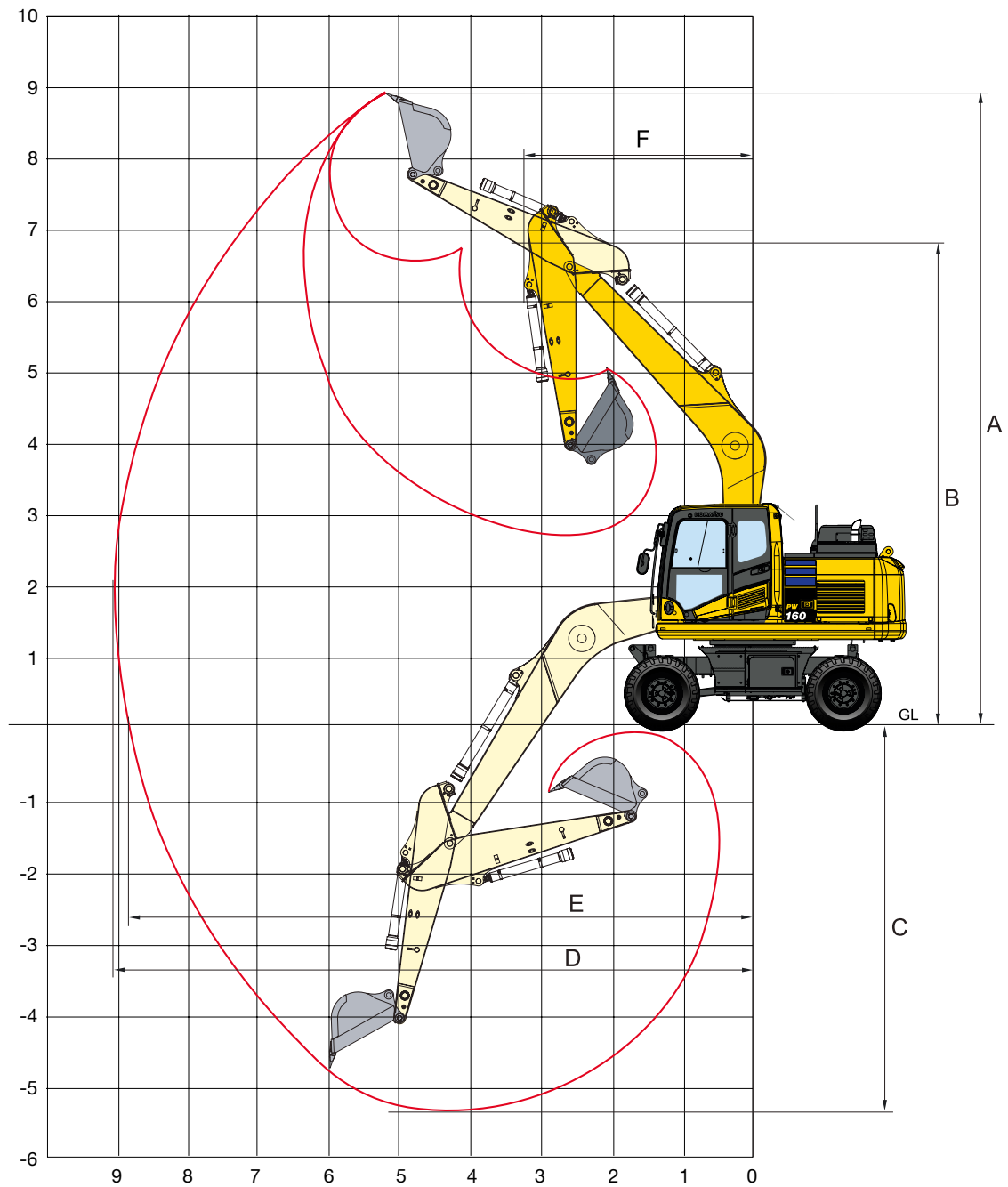


All dimensions with tyres Bandenmarkt Excavator 315/70 R22.5



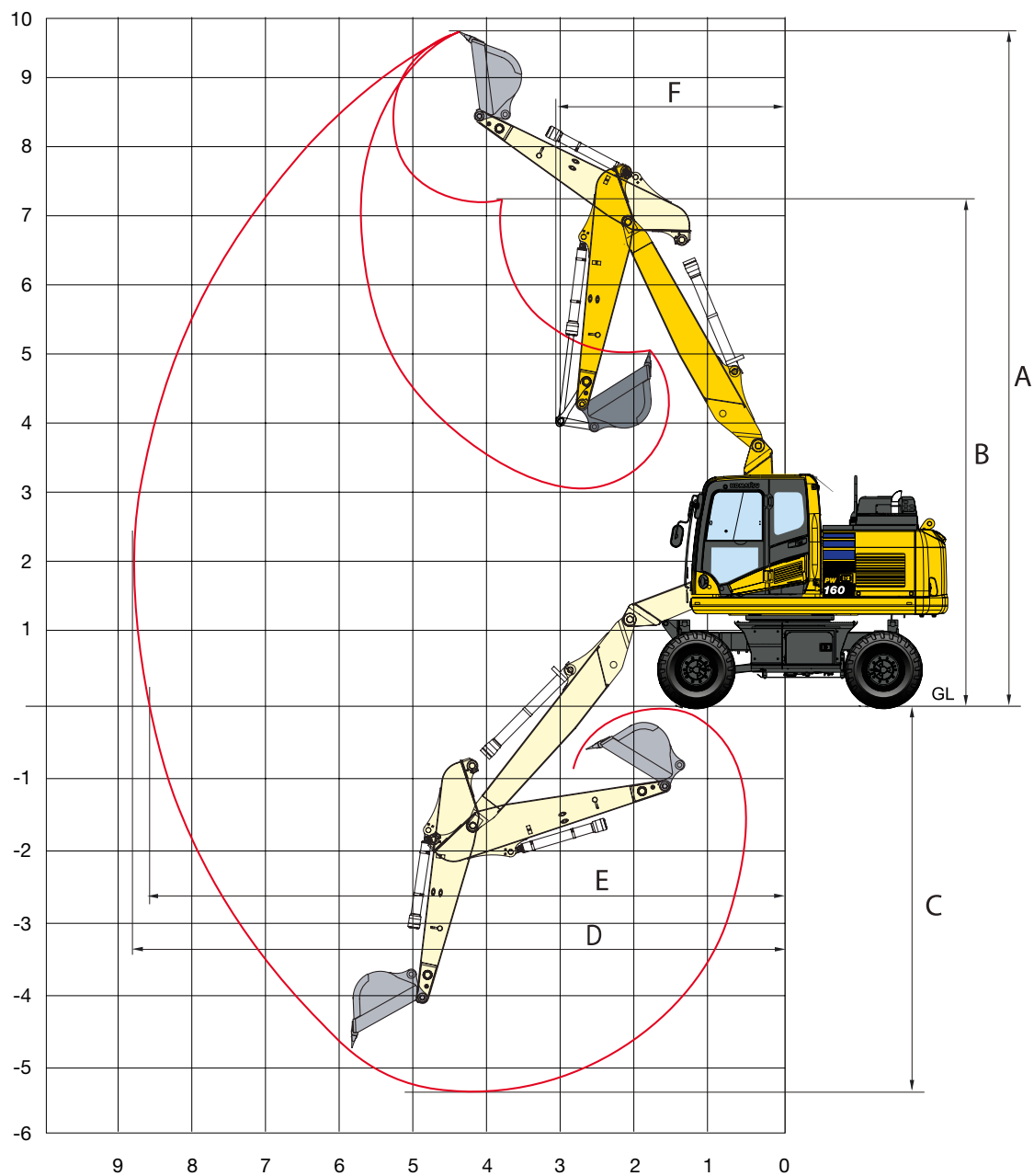
Working Range

MONO BOOM



ARM LENGTH	2,1 m	2,5 m	3,0 m
A Max. digging height	8.730 mm	8.930 mm	9.285 mm
B Max. dumping height	6.335 mm	6.555 mm	6.911 mm
C Max. digging depth	4.925 mm	5.320 mm	5.600 mm
D Max. digging reach	8.640 mm	9.070 mm	9.485 mm
E Max. digging reach at ground level	8.620 mm	8.885 mm	9.315 mm
F Min. swing radius	3.205 mm	3.160 mm	3.180 mm

TWO-PIECE BOOM



ARM LENGTH	2,1 m	2,5 m	3,0 m
A Max. digging height	9.611 mm	9.910 mm	10.337 mm
B Max. dumping height	7.135 mm	7.433 mm	7.860 mm
C Max. digging depth	4.968 mm	5.365 mm	5.861 mm
D Max. digging reach	8.533 mm	8.905 mm	9.397 mm
E Max. digging reach at ground level	8.343 mm	8.715 mm	9.224 mm
F Min. swing radius	2.330 mm	2.423 mm	2.979 mm

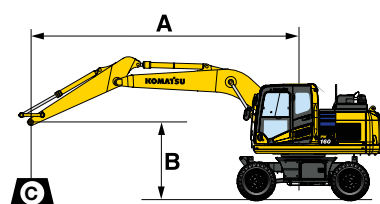
Lifting Capacity

Mono boom

Arm length	A B			7,5 m		6,0 m		4,5 m		3,0 m		1,5 m	
 Without stabilizer	2,1 m	7,5 m	kg	*2.850	*2.850								
		6,0 m	kg	*2.500	*2.500		3.850	2.800					
		4,5 m	kg	*2.400	2.100		3.750	2.750	5.850	4.200			
		3,0 m	kg	*2.400	1.850	2.650	1.900	3.650	2.650	5.550	3.900		
		1,5 m	kg	2.500	1.800	2.600	1.850	3.550	2.550	5.000	3.650		
		0,0 m	kg	2.550	1.850			3.450	2.400	5.100	3.500	*4.300	*4.300
		- 1,5 m	kg	2.700	2.050			3.400	2.400	5.100	3.450	*8.350	6.200
		- 3,0 m	kg	3.550	2.550					5.100	3.550	*6.850	6.300
		- 4,5 m	kg										
	2,5 m	7,5 m	kg	*2.350	*2.350								
		6,0 m	kg	*2.050	*2.050		*3.700	2.850					
		4,5 m	kg	*2.050	1.950	*2.350	1.950	3.800	2.800	*5.050	4.250		
		3,0 m	kg	*2.050	1.750	2.650	1.900	3.700	2.650	5.600	4.000		
		1,5 m	kg	*2.150	1.650	2.600	1.850	3.550	2.550	5.300	3.700		
		0,0 m	kg	*2.350	1.700	2.550	1.800	3.450	2.400	5.100	3.500	*4.800	*4.800
		- 1,5 m	kg	2.600	1.850			3.400	2.400	5.050	3.450	*7.800	6.150
		- 3,0 m	kg	3.150	2.250			3.400	2.400	5.100	3.450	*7.900	6.250
		- 4,5 m	kg										
	3,0 m	7,5 m	kg	*1.900	*1.900			*2.500	*2.500				
		6,0 m	kg	*1.700	*1.700			*3.350	2.850				
		4,5 m	kg	*1.700	1.650	2.700	1.950	3.800	2.750				
		3,0 m	kg	*1.700	1.500	2.600	1.850	3.650	2.600	5.650	4.000	*9.550	7.250
		1,5 m	kg	*1.750	1.500	2.550	1.800	3.500	2.450	5.300	3.650		
		0,0 m	kg	*1.950	1.500	2.450	1.750	3.350	2.350	5.050	3.450	*5.050	*5.050
		- 1,5 m	kg	*2.250	1.600	2.400	1.700	3.300	2.300	4.950	3.350	*7.050	5.950
		- 3,0 m	kg	2.700	1.900			3.300	2.250	4.950	3.300	*8.950	6.000
		- 4,5 m	kg	*2.700	2.600					*4.050	3.450	*5.550	*5.550
 Front or rear blade	2,1 m	7,5 m	kg	*2.850	*2.850								
		6,0 m	kg	*2.500	*2.850			*3.850	3.200				
		4,5 m	kg	*2.400	2.400			*5.250	3.150	*6.250			
		3,0 m	kg	*2.400	2.150	*3.000	2.200	*5.650	3.050	*7.350	4.800		
		1,5 m	kg	*2.550	2.100	*3.850	2.150	*5.950	2.900	*8.150	4.500		
		0,0 m	kg	*2.850	2.150			*5.900	2.850	*8.050	4.250	*4.300	*4.300
		- 1,5 m	kg	*3.400	2.350			*5.300	2.800	*7.150	4.100	*8.350	7.350
		- 3,0 m	kg	*3.550	2.900					*5.400	4.050	*6.850	*6.900
		- 4,5 m	kg								4.150		
	2,5 m	7,5 m	kg	*2.350	*2.350								
		6,0 m	kg	*2.050	*2.050			*3.700	3.250				
		4,5 m	kg	*2.050	*2.000	*2.350	2.250	*4.650	3.150	*5.050	4.850		
		3,0 m	kg	*2.050	2.000	*3.700	2.200	*5.450	3.050	*7.000	4.600		
		1,5 m	kg	*2.150	1.950	*4.500	2.150	*5.850	2.900	*8.000	4.300		
		0,0 m	kg	*2.350	1.950	*4.400	2.100	*5.950	2.850	*8.150	4.100	*4.800	*4.800
		- 1,5 m	kg	*2.800	2.150			*5.450	2.750	*7.450	4.050	*7.800	7.300
		- 3,0 m	kg	*3.600	2.600			*4.150	2.800	*5.950	4.050	*7.900	7.400
		- 4,5 m	kg										
	3,0 m	7,5 m	kg	*1.900	*1.900			*2.500	*2.500				
		6,0 m	kg	*1.700	*1.700			*3.350	3.250				
		4,5 m	kg	*1.700	*1.700	*3.000	2.250	*3.850	3.150				
		3,0 m	kg	*1.700	*1.650	*3.750	2.150	*5.050	3.000	*6.450	4.600	*9.550	8.450
		1,5 m	kg	*1.750	1.750	*4.550	2.100	*5.600	2.850	*7.550	4.250		
		0,0 m	kg	*1.950	1.750	*4.550	2.050	*5.800	2.750	*8.000	4.050	*5.050	*5.000
		- 1,5 m	kg	*2.250	1.900	*4.100	2.000	*5.600	2.700	*7.650	3.900	*7.050	7.100
		- 3,0 m	kg	*2.800	2.250			*4.650	2.700	*6.400	3.900	*8.950	7.200
		- 4,5 m	kg	*2.700	*2.650					*4.050	4.050	*5.550	*5.550
 Rear outrigger	2,1 m	7,5 m	kg	*2.850	*2.850								
		6,0 m	kg	*2.500	*2.500			*3.850	*3.850				
		4,5 m	kg	*2.400	*2.400			*5.250	3.800	*6.250	5.850		
		3,0 m	kg	*2.400	*2.400	*3.000	2.700	*5.650	3.700	*7.350	5.550		
		1,5 m	kg	*2.550	*2.550	*3.850	2.650	*5.950	3.600	*8.150	5.250		
		0,0 m	kg	*2.850	2.600			*5.900	3.450	*8.050	5.100	*4.300	*4.300
		- 1,5 m	kg	*3.400	2.900			*5.300	3.450	*7.150	5.100	*8.350	*8.350
		- 3,0 m	kg	*3.550	*3.550					*5.400	5.150	*6.850	*6.850
		- 4,5 m	kg										
	2,5 m	7,5 m	kg	*2.350	*2.350								
		6,0 m	kg	*2.050	*2.050			*3.700	*3.750				
		4,5 m	kg	*2.050	*2.000	*2.350	*2.300	*4.650	3.850	*5.050	*5.000		
		3,0 m	kg	*2.050	*2.000	*3.700	2.700	*5.450	3.750	*7.000	5.600		
		1,5 m	kg	*2.150	*2.150	*4.500	2.650	*5.850	3.600	*8.000	5.300		
		0,0 m	kg	*2.350	*2.350	*4.400	2.550	*5.950	3.450	*8.150	5.100	*4.800	*4.800
		- 1,5 m	kg	*2.800	2.650			*5.450	3.450	*7.450	5.050	*7.800	*7.800
		- 3,0 m	kg	*3.600	3.200			*4.150	3.450	*5.950	5.100	*7.900	*7.900
		- 4,5 m	kg										
	3,0 m	7,5 m	kg	*1.900	*1.900			*2.500	*2.500				
		6,0 m	kg	*1.700	*1.700			*3.350	*3.350				
		4,5 m	kg	*1.700	*1.700	*3.000	2.700	*3.850	3.850				
		3,0 m	kg	*1.700	*1.650	*3.750	2.650	*5.050	3.700	*6.450	5.650	*9.550	*9.550
		1,5 m	kg	*1.750	*1.750	*4.550	2.550	*5.600	3.550	*7.550	5.300		
		0,0 m	kg	*1.950	*1.950	*4.550	2.550	*5.800	3.400	*8.000	5.050	*5.050	*5.050
		- 1,5 m	kg	*2.250	*2.250	*4.100	2.500	*5.600	3.300	*7.650	4.950	*7.050	*7.050
		- 3,0 m	kg	*2.800	2.750			*4.650	3.300	*6.400	4.950	*8.950	*8.950
		- 4,5 m	kg	*2.700	*2.650					*4.050	*4.050	*5.550	*5.550

Arm length		A B			7,5 m		6,0 m		4,5 m		3,0 m		1,5 m	
Outrigger + blade	2,1 m	7,5 m kg	*2.850	*2.850										
		6,0 m kg	*2.500	*2.500			*3.850	*3.850						
		4,5 m kg	*2.400	*2.400			*5.250	4.750	*6.250	*6.250				
		3,0 m kg	*2.400	*2.400	*3.000	*3.000	*5.650	4.650	*7.350	7.050				
		1,5 m kg	*2.550	*2.550	*3.850	*3.850	*5.950	4.500	*8.150	6.750				
		0,0 m kg	*2.850	*2.850			*5.900	4.400	*8.050	6.600	*4.300	*4.300		
		- 1,5 m kg	*3.400	*3.400			*5.300	4.350	*7.150	6.600	*8.350	*8.350		
		- 3,0 m kg	*3.550	*3.550					*5.400	*5.400	*6.850	*6.850		
		- 4,5 m kg												
	2,5 m	7,5 m kg	*2.350	*2.350			*3.700	*3.700						
		6,0 m kg	*2.050	*2.050			*4.650	*4.650	*5.050	*5.050				
		4,5 m kg	*2.050	*2.050	*2.350	*2.350	*4.650	*4.650	*5.050	*5.050				
		3,0 m kg	*2.050	*2.050	*3.700	3.350	*5.450	4.650	*7.000	*7.000				
		1,5 m kg	*2.150	*2.150	*4.500	3.300	*5.850	4.500	*8.000	6.800				
		0,0 m kg	*2.350	*2.350	*4.400	3.250	*5.950	4.400	*8.150	6.600	*4.800	*4.800		
		- 1,5 m kg	*2.800	*2.800			*5.450	4.350	*7.450	6.550	*7.800	*7.800	*4.700	*4.700
		- 3,0 m kg	*3.600	*3.600			*4.150	*4.150	*5.950	*5.950	*7.900	*7.900		
		- 4,5 m kg												
	3,0 m	7,5 m kg	*1.900	*1.900			*2.500	*2.500						
		6,0 m kg	*1.700	*1.700			*3.350	*3.350						
		4,5 m kg	*1.700	*1.700	*3.000	*3.000	*3.850	*3.850						
		3,0 m kg	*1.700	*1.700	*3.750	3.300	*5.050	4.650	*6.450	*6.450	*9.550	*9.550		
		1,5 m kg	*1.750	*1.750	*4.550	3.250	*5.600	4.450	*7.550	6.800				
		0,0 m kg	*1.950	*1.950	*4.550	3.150	*5.800	4.350	*8.000	6.550	*5.050	*5.050		
		- 1,5 m kg	*2.250	*2.250	*4.100	3.150	*5.600	4.250	*7.650	6.450	*7.050	*7.050	*4.050	*4.050
		- 3,0 m kg	*2.800	*2.800			*4.650	4.250	*6.400	*6.400	*8.950	*8.950	*6.650	*6.650
		- 4,5 m kg	*2.700	*2.700					*4.050	*4.050	*5.550	*5.550		

Outrigger front + rear	2,1 m	7,5 m kg	*2.850	*2.850										
		6,0 m kg	*2.500	*2.500			*3.850	*3.850						
		4,5 m kg	*2.400	*2.400			*5.250	*5.250	*6.250	*6.250				
		3,0 m kg	*2.400	*2.400	*3.000	*3.000	*5.650	*5.650	*7.350	*7.350				
		1,5 m kg	*2.550	*2.550	*3.850	*3.850	*5.950	5.550	*8.150	*8.150				
		0,0 m kg	*2.850	*2.850			*5.900	5.450	*8.050	*8.050	*4.300	*4.300		
		- 1,5 m kg	*3.400	*3.400			*5.300	*5.300	*7.150	*7.150	*8.350	*8.350		
		- 3,0 m kg	*3.550	*3.550					*5.400	*5.400	*6.850	*6.850		
		- 4,5 m kg												
	2,5 m	7,5 m kg	*2.350	*2.350			*3.700	*3.700						
		6,0 m kg	*2.050	*2.050			*4.650	*4.650	*5.050	*5.050				
		4,5 m kg	*2.050	*2.050	*2.350	*2.350	*4.650	*4.650	*5.050	*5.050				
		3,0 m kg	*2.050	*2.050	*3.700	*3.700	*5.450	*5.450	*7.000	*7.000				
		1,5 m kg	*2.150	*2.150	*4.500	4.050	*5.850	5.550	*8.000	*8.000				
		0,0 m kg	*2.350	*2.350	*4.400	3.950	*5.950	5.450	*8.150	*8.150	*4.800	*4.800		
		- 1,5 m kg	*2.800	*2.800			*5.450	5.400	*7.450	*7.450	*7.800	*7.800	*4.700	*4.700
		- 3,0 m kg	*3.600	*3.600			*4.150	*4.150	*5.950	*5.950	*7.900	*7.900		
		- 4,5 m kg												
	3,0 m	7,5 m kg	*1.900	*1.900			*2.500	*2.500						
		6,0 m kg	*1.700	*1.700			*3.350	*3.350						
		4,5 m kg	*1.700	*1.700	*3.000	*3.000	*3.850	*3.850						
		3,0 m kg	*1.700	*1.700	*3.750	*3.750	*5.050	*5.050	*6.450	*6.450	*9.550	*9.550		
		1,5 m kg	*1.750	*1.750	*4.550	4.000	*5.600	5.550	*7.550	*7.550				
		0,0 m kg	*1.950	*1.950	*4.550	3.900	*5.800	5.400	*8.000	*8.000	*5.050	*5.050		
		- 1,5 m kg	*2.250	*2.250	*4.100	3.900	*5.600	5.300	*7.650	*7.650	*7.050	*7.050	*4.050	*4.050
		- 3,0 m kg	*2.800	*2.800			*4.650	*4.650	*6.400	*6.400	*8.950	*8.950	*6.650	*6.650
		- 4,5 m kg	*2.700	*2.700					*4.050	*4.050	*5.550	*5.550		



- A** – Reach from swing center
- B** – Bucket hook height
- C** – Lifting capacities, including bucket linkage (120 kg) and bucket cylinder (109 kg)

When removing linkage or cylinder, lifting capacities can be increased by their respective weights.

* 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.

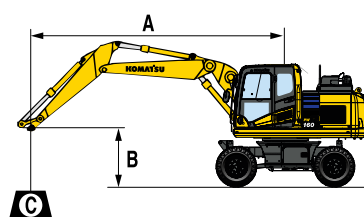
-  – Rating over front
-  – Rating over side
-  – Rating at maximum reach

Lifting Capacity

TWO-PIECE BOOM

Arm length	A B	⊗		7,5 m		6,0 m		4,5 m		3,0 m		1,5 m	
		⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
 Without stabilizer	2,1 m	7,5 m	kg	*3.200	*3.200			*4.250	*4.250				
		6,0 m	kg	*2.700	2.550		3.800	2.800	*4.850	4.350			
		4,5 m	kg	*2.600	2.100		3.750	2.750	*5.850	4.200	*5.850	*5.850	
		3,0 m	kg	*2.600	1.900		3.650	2.600	5.550	3.900			
		1,5 m	kg	2.550	1.800	2.600	1.850	3.550	2.550	5.250	3.600		
		0,0 m	kg	2.600	1.850			3.450	2.400	5.100	3.500	*4.300	*4.300
		- 1,5 m	kg	2.900	2.100			3.450	2.400	5.100	3.450	*8.400	6.200
		- 3,0 m	kg	4.150	2.900					5.150	3.550		
		- 4,5 m	kg										
	2,5 m	7,5 m	kg	*2.600	*2.600			*4.000	*4.250				
		6,0 m	kg	*2.300	*2.300		*3.750	2.800	*4.050	4.350			
		4,5 m	kg	*2.150	1.950		3.800	2.750	*4.700	4.200		*5.850	
		3,0 m	kg	*2.150	1.750	2.650		3.700	2.600	5.650	3.900		
		1,5 m	kg	*2.300	1.650	2.600	1.850	3.550	2.550	5.350	3.600		
		0,0 m	kg	2.250	1.700	2.550		3.450	2.400	5.100	3.500	*4.750	*4.300
		- 1,5 m	kg	2.650	1.900			3.400	2.400	5.050	3.450	*7.900	6.200
		- 3,0 m	kg	3.300	2.300			3.450		5.100	3.550		
		- 4,5 m	kg										
	3,0 m	7,5 m	kg	*2.100	*2.100		*2.500	*2.500					
		6,0 m	kg	*1.900	*1.900		*3.350	2.850					
		4,5 m	kg	*1.800	1.700	2.550	1.950	*3.750	2.750	*3.600	*3.600		
		3,0 m	kg	*1.800	1.550	2.500	1.850	3.700	2.600	5.750	4.050	*9.200	7.350
		1,5 m	kg	*1.850	1.500	2.550	1.800	3.550	2.450	5.400	3.700		
		0,0 m	kg	*2.050	1.500	2.350	1.750	3.400	2.350	5.100	3.450	*5.000	*5.000
		- 1,5 m	kg	*2.350	1.650	2.450	1.700	3.300	2.250	4.950	3.300	*7.100	5.950
		- 3,0 m	kg	2.800	1.950			3.300	2.300	5.000	3.300	9.650	6.000
		- 4,5 m	kg										
 Front or rear blade	2,1 m	7,5 m	kg	*3.200	*3.200			*4.250					
		6,0 m	kg	*2.700	*2.700		*3.800	3.300	*4.850	*4.900			
		4,5 m	kg	*2.600	2.400		*5.200	3.150	*5.850	4.800	*5.850	*5.850	
		3,0 m	kg	*2.600	2.200		*5.900	3.000	*7.550	4.500			
		1,5 m	kg	*2.700	2.100	*3.450	2.150	*6.400	2.900	*8.700	4.250		
		0,0 m	kg	*3.000	2.150			*6.550	2.850	*8.950	4.100	*4.300	*4.300
		- 1,5 m	kg	*3.550	2.400			*6.100	2.800	*8.400	4.050	*8.400	7.350
		- 3,0 m	kg	*5.650	3.400					*6.750	4.150		
		- 4,5 m	kg										
	2,5 m	7,5 m	kg	*2.600	*2.600			*4.000	*4.000				
		6,0 m	kg	*2.300	*2.300		*3.750	3.250	*4.050	*4.050			
		4,5 m	kg	*2.150	*2.150		*4.500	3.150	*4.700	*4.700			
		3,0 m	kg	*2.150	2.050	*3.650	2.200	*5.650	3.050	*7.050	4.600		
		1,5 m	kg	*2.300	1.950	*4.400	2.150	*6.200	2.900	*8.350	4.300		
		0,0 m	kg	*2.500	2.000	*4.100	2.100	*6.500	2.850	*8.950	4.100	*4.750	*4.750
		- 1,5 m	kg	*2.950	2.200			*6.300	2.750	*8.600	4.050	*7.900	7.300
		- 3,0 m	kg	*4.350	2.700			*5.050	2.800	*7.300	4.050		
		- 4,5 m	kg										
	3,0 m	7,5 m	kg	*2.100	*2.100		*2.500	*2.500					
		6,0 m	kg	*1.900	*1.900		*3.350	3.250					
		4,5 m	kg	*1.800	*1.800	*3.000	2.250	*3.750	3.150	*3.600	*3.600		
		3,0 m	kg	*1.800	*1.800	*3.700	2.150	*4.750	3.000	*5.850	4.650	*9.200	8.600
		1,5 m	kg	*1.850	1.750	*4.400	2.100	*5.900	2.850	*7.900	4.300		
		0,0 m	kg	*2.050	1.800	*4.900	2.050	*6.350	2.750	*8.700	4.050	*5.000	*5.000
		- 1,5 m	kg	*2.350	1.950	*3.900	2.000	*6.350	2.700	*8.700	3.900	*7.100	7.100
		- 3,0 m	kg	*2.950	2.250			*5.600	2.700	*7.800	3.900	*11.050	7.200
		- 4,5 m	kg										
 Rear outrigger	2,1 m	7,5 m	kg	*3.200	*3.200			*4.250	*4.250				
		6,0 m	kg	*2.700	*2.700		*3.800	*3.800	*4.850	*4.850			
		4,5 m	kg	*2.600	*2.600		*5.200	3.800	*5.850	*5.850	*5.850	*5.850	
		3,0 m	kg	*2.600	*2.600		*5.900	3.700	*7.550	5.550			
		1,5 m	kg	*2.700	2.550	*3.450	2.650	*6.400	3.600	*8.700	5.300		
		0,0 m	kg	*3.000	2.650			*6.550	3.450	*8.950	5.100	*4.300	*4.300
		- 1,5 m	kg	*3.550	2.950			*6.100	3.450	*8.400	5.100	*8.400	*8.400
		- 3,0 m	kg	*5.650	4.200					*6.750	5.150		
		- 4,5 m	kg										
	2,5 m	7,5 m	kg	*2.600	*2.600			*4.000	*4.000				
		6,0 m	kg	*2.300	*2.300		*3.750	*3.750	*4.050	*4.050			
		4,5 m	kg	*2.150	*2.150		*4.500	3.850	*4.700	*4.700			
		3,0 m	kg	*2.150	*2.150	*3.650	2.700	*5.650	3.750	*7.050	5.650		
		1,5 m	kg	*2.300	*2.300	*4.400	2.650	*6.200	3.600	*8.350	5.350		
		0,0 m	kg	*2.500	2.450	*4.100	2.550	*6.500	3.450	*8.950	5.100	*4.750	*4.750
		- 1,5 m	kg	*2.950	2.700			*6.300	3.450	*8.600	5.050	*7.900	*7.900
		- 3,0 m	kg	*4.350	3.300			*5.050	3.450	*7.300	5.100		
		- 4,5 m	kg										
	3,0 m	7,5 m	kg	*2.100	*2.100		*2.500	*2.500					
		6,0 m	kg	*1.900	*1.900		*3.350	*3.350					
		4,5 m	kg	*1.800	*1.800	*3.000	2.700	*3.750	*3.750	*3.600	*3.600		
		3,0 m	kg	*1.800	*1.800	*3.700	2.650	*4.750	3.700	*5.850	5.700	*9.300	*9.300
		1,5 m	kg	*1.850	*1.850	*4.400	2.550	*5.900	3.550	*7.900	5.300		
		0,0 m	kg	*2.050	*2.000	4.650	2.550	*6.350	3.400	*8.700	5.050	*5.000	*5.000
		- 1,5 m	kg	*2.350	*2.300	*3.900	2.500	*6.350	3.300	*8.700	4.950	*7.100	*7.100
		- 3,0 m	kg	*2.950	2.800			*5.600	3.350	*7.800	4.950	*11.050	9.350
		- 4,5 m	kg										

Arm length	A B			7,5 m		6,0 m		4,5 m		3,0 m		1,5 m	
													
 Outrigger + blade	2,1 m	7,5 m kg	*3.200	*3.200				*4.250	*4.250				
		6,0 m kg	*2.700	*2.700		*3.800	*3.800	*4.850	*4.850				
		4,5 m kg	*2.600	*2.600		*5.200	4.750	*5.850	*5.850	*5.850	*5.850		
		3,0 m kg	*2.600	*2.600		*5.900	4.650	*7.550	7.100				
		1,5 m kg	*2.700	*2.700	*3.450	3.300	*6.400	4.500	*8.700	6.800			
		0,0 m kg	*3.000	*3.000			*6.550	4.400	*8.950	6.600	*4.300	*4.300	
		- 1,5 m kg	*3.550	*3.550			*6.100	4.350	*8.400	6.600	*8.400	*8.400	
		- 3,0 m kg	*5.650	5.300					*6.750	6.650			
		- 4,5 m kg											
	2,5 m	7,5 m kg	*2.600	*2.600				*4.000	*4.000				
		6,0 m kg	*2.300	*2.300		*3.750	*3.750	*4.050	*4.050				
		4,5 m kg	*2.150	*2.150		*4.500	*4.500	*4.700	*4.700				
		3,0 m kg	*2.150	*2.150	*3.650	3.350	*5.650	4.650	*7.050	*7.050			
		1,5 m kg	*2.300	*2.300	*4.400	3.300	*6.200	4.500	*8.350	6.850			
		0,0 m kg	*2.500	*2.500	*4.100	3.250	*6.500	4.400	*8.950	6.600	*4.750	*4.750	
		- 1,5 m kg	*2.950	*2.950			*6.300	4.350	*8.600	6.550	*7.900	*7.900	
		- 3,0 m kg	*4.350	4.200			*5.050	4.350	*7.300	6.600			
		- 4,5 m kg											
	3,0 m	7,5 m kg	*2.100	*2.100		*2.500	*2.500						
		6,0 m kg	*1.900	*1.900		*3.350	*3.350						
		4,5 m kg	*1.800	*1.800	*3.000	*3.000	*3.750	*3.750	*3.600	*3.600			
		3,0 m kg	*1.800	*1.800	*3.700	3.300	*4.750	4.650	*5.850	*5.850	*9.200	*9.200	
		1,5 m kg	*1.850	*1.850	*4.400	3.250	*5.900	4.500	*7.900	6.850			
		0,0 m kg	*2.050	*2.050	*4.900	3.150	*6.350	4.350	*8.700	6.550	*5.000	*5.000	
		- 1,5 m kg	*2.350	*2.350	*3.900	3.150	*6.350	4.250	*8.700	6.450	*7.100	*7.100	*3.900
		- 3,0 m kg	*2.950	*2.950			*5.600	4.250	*7.800	6.450	*11.050	*11.050	
		- 4,5 m kg											
 Outrigger front + rear	2,1 m	7,5 m kg	*3.200	*3.200				*4.250	*4.250				
		6,0 m kg	*2.700	*2.700		*3.800	*3.800	*4.850	*4.850				
		4,5 m kg	*2.600	*2.600		*5.200	*5.200	*5.850	*5.850	*5.850	*5.850		
		3,0 m kg	*2.600	*2.600		*5.900	5.700	*7.550	*7.550				
		1,5 m kg	*2.700	*2.700	*3.450	*3.450	*6.400	5.550	*8.700	8.700			
		0,0 m kg	*3.000	*3.000			*6.550	5.500	*8.950	8.550	*4.300	*4.300	
		- 1,5 m kg	*3.550	*3.550			*6.100	5.450	*8.400	*8.400	*8.400	*8.400	
		- 3,0 m kg	*5.650	*5.650					*6.750	*6.750			
		- 4,5 m kg											
	2,5 m	7,5 m kg	*2.600	*2.600				*4.000	*4.000				
		6,0 m kg	*2.300	*2.300		*3.750	*3.750	*4.050	*4.050				
		4,5 m kg	*2.150	*2.150		*4.500	*4.500	*4.700	*4.700				
		3,0 m kg	*2.150	*2.150	*3.650	*3.650	*5.650	*5.650	*7.050	*7.050			
		1,5 m kg	*2.300	*2.300	*4.400	4.050	*6.200	5.600	*8.350	*8.350			
		0,0 m kg	*2.500	*2.500	*4.100	4.000	*6.500	5.450	*8.950	8.550	*4.750	*4.750	
		- 1,5 m kg	*2.950	*2.950			*6.300	5.400	*8.600	8.450	*7.900	*7.900	
		- 3,0 m kg	*4.350	*4.350			*5.050	*5.050	*7.300	*7.300			
		- 4,5 m kg											
	3,0 m	7,5 m kg	*2.100	*2.100		*2.500	*2.500						
		6,0 m kg	*1.900	*1.900		*3.350	*3.350						
		4,5 m kg	*1.800	*1.800	*3.000	*3.000	*3.750	*3.750	*3.600	*3.600			
		3,0 m kg	*1.800	*1.800	*3.700	*3.700	*4.750	*4.750	*5.850	*5.850	*9.200	*9.200	
		1,5 m kg	*1.850	*1.850	*4.400	4.000	*5.900	5.550	*7.900	*7.900			
		0,0 m kg	*2.050	*2.050	*4.900	3.900	*6.350	5.400	*8.700	8.450	*5.000	*5.000	
		- 1,5 m kg	*2.350	*2.350	*3.900	3.900	*6.350	5.350	*8.700	8.300	*7.100	*7.100	*3.900
		- 3,0 m kg	*2.950	*2.950			*5.600	5.350	*7.800	*7.800	*11.050	*11.050	
		- 4,5 m kg											



- A** – Reach from swing center
- B** – Bucket hook height
- C** – Lifting capacities, including bucket linkage (120 kg) and bucket cylinder (109 kg)

When removing linkage or cylinder, lifting capacities can be increased by their respective weights.

* 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.

-  – Rating over front
-  – Rating over side
-  – Rating at maximum reach



Standard and Optional Equipment

ENGINE

Komatsu SAA4D107E-3 turbocharged common rail direct injection diesel engine	●
EU Stage IV compliant	●
Suction type cooling fan	●
Automatic engine warm-up system	●
Engine overheat prevention system	●
Auto-deceleration function	●
Adjustable idle shutdown	●
Engine ignition can be password secured on request	●
Alternator 24 V/85 A	●
Starter motor 24 V/4,5 kW	●
Batteries 2 × 12 V/125 Ah	●

HYDRAULIC SYSTEM

Electronic closed-centre load sensing (E-CLSS) hydraulic system (HydrauMind)	●
Pump and engine mutual control (PEMC) system	●
6-working mode selection system; power mode, economy mode, breaker mode, attachment power and attachment economy mode, and lifting mode	●
PowerMax function	●
Adjustable PPC wrist control levers for arm, boom, bucket and swing, with sliding proportional control for attachments and 5 auxiliary buttons, with FNR switch	●
Additional hydraulic circuit (HCU-B)	●
Additional hydraulic circuit (HCU-C)	○
Extension HCU-C to HCU-D	○
Boom suspension system (ECSS)	○
Prepared for hydraulic quick-coupler	○

UNDERCARRIAGE

Parallel blade (front and/or rear) with cylinder protection	○
2 or 4 outriggers with cylinder protection, individually adjustable	○
Twin tyres 10.00-20 16 PR	○
Twin tyres Bandenmarkt Excavator 315/70 R22.5	○
Twin tyres Nokian 10-20 (L5)	○
Single tyres Michelin 18.00-19.5	○
Tyres Bandenmarkt Grader 315/70 R22.5	○
Fenders	○

CABIN

SpaceCab™; Highly pressurised and tightly sealed hyper viscous mounted cab with tinted safety glass windows, large roof window with sun shade, pull-up type front window with locking device, removable lower window, front window wiper with intermittent feature, sun roller blind, cigarette lighter, luggage shelf, floor mat	●
Heated air suspension seat with lumbar support, arm rests and retractable seat belt	●
Automatic climate control system	●
12/24 Volt power supplies	●
Beverage holder and magazine rack	●
Hot and cool box	●
CD radio with auxiliary input (MP3 jack)	○
Heated, adjustable, suspended seat	○
Lower wiper	○
Rain visor (not with front guard)	○
Joystick steering system	○

SAFETY EQUIPMENT

KomVision surround view system	●
Electric horn	●
Overload warning device	●
Lockable fuel cap and covers	●
Audible travel alarm	●
Large handrails, rear-view mirrors	●
Battery main switch	●
Boom safety valves	●
Arm safety valve	●
Adjust cylinder safety valve	●
OPG Level II front guard (FOPS)	○
OPG Level II top guard (FOPS)	○
Audible travel alarm (white noise version)	○

LIGHTING SYSTEM

Working lights: 3 revolving frame, 1 counterweight (rear)	●
Additional RH & LH boom lamp	○
LED working lights	○
Beacon + rear facing cab lamp	○
Additional large capacity cab roof lights (4)	○
2 additional LED working lights boom foot	○

SERVICE AND MAINTENANCE

Automatic fuel line de-aeration	●
Double element type air cleaner with dust indicator and auto dust evacuator	●
KOMTRAX – Komatsu wireless monitoring system (3G)	●
Multifunction video compatible colour monitor with Equipment Management and Monitoring System (EMMS) and efficiency guidance	●
Toolkit	●
Komatsu CARE™ – a maintenance program for Komatsu customers	●
Centralised greasing system	●
Automatic greasing system	○

DRIVES AND BRAKES

Fully automatic 3-speed transmission driving through front and rear planetary axles	●
Oscillating front axle (10°) with automatic and manual cylinder locking	●
Cruise control	●
20 or 35 km/h speed limitation	○
Transmission guard	○

WORK EQUIPMENT

Mono boom	○
Two-piece boom	○
2,1 m; 2,5 m; 3,0 m arms	○
Clamshell grip bar	○
Lehnhoff quick-couplers	○
Lehnhoff buckets	○

OTHER EQUIPMENT

Standard counterweight	●
Electric refuelling pump with automatic shut off function	●
Single chassis tool box	●
Additional chassis tool box	○
Biodegradable oil for hydraulic system	○
Customised paint	○

Further equipment on request

- standard equipment
- optional equipment

Your Komatsu partner:

KOMATSU

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