

KOMATSU

PW180-11

EU Stage IV Engine

HYDRAULIC WHEELED EXCAVATOR

PRELIMINARY



PW180

ENGINE POWER

123 kW / 165 HP @ 2.000 rpm

OPERATING WEIGHT

17.600 - 20.600 kg

BUCKET CAPACITY

max. 1,13 m³

Walk-Around



PW180-11



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 SAA6D107E-3
Type	Common rail direct injection, water-cooled, emissionised, turbocharged, after-cooled diesel
Engine power	
at rated engine speed	2.000 rpm
ISO 14396	123 kW / 165 HP
ISO 9249 (net engine power)	118 kW / 158 HP
No. of cylinders	6
Bore x stroke	107 x 124 mm
Displacement	6,69 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	288,4 l/min
Relief valve settings	
Implement	380 kg/cm ²
Travel	420 kg/cm ²
Swing	290 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	6.800 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 - 11,5 rpm
Swing torque	43 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	310 l
Radiator	35 l
Engine oil	23,1 l
Swing drive	5,5 l
Hydraulic tank	167 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	10,5 l
AdBlue® tank	29,6 l

ENVIRONMENT

Engine emissions	Fully complies with EU Stage IV exhaust emission regulations
Noise levels	
LwA external	101 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	17.740 kg	17.910 kg
Rear blade	18.595 kg	18.765 kg
Rear outrigger	18.810 kg	18.980 kg
2 outriggers + blade	19.670 kg	19.840 kg
4 outriggers	19.880 kg	20.050 kg

Operating weight, including specified work equipment, 2.600 mm arm, operator, lubricant, coolant, full fuel tank, bucket (530 kg) and the standard equipment.

MAX. BUCKET CAPACITY AND WEIGHT

Arm length	Mono boom		
	2,25 m	2,6 m	2,9 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	0,85 m ³ 585 kg	0,75 m ³ 525 kg	0,66 m ³ 495 kg

Arm length	Two-piece boom		
	2,25 m	2,6 m	2,9 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	0,85 m ³ 585 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.

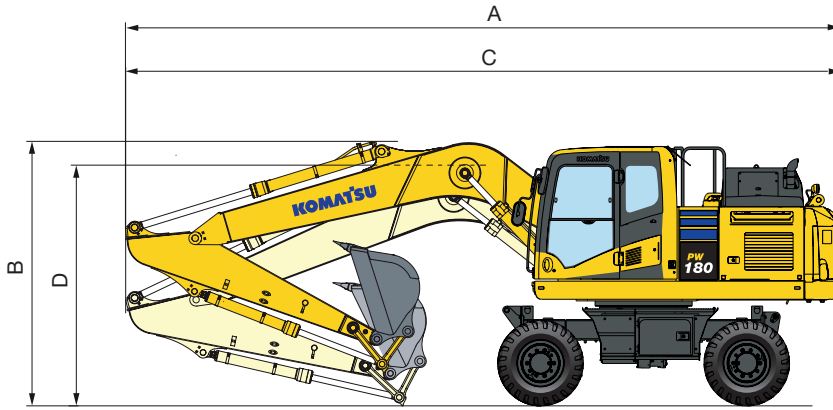
Please consult with your distributor for the correct selection of buckets and attachments to suit the application.

BUCKET AND ARM FORCE

Arm length	2,25 m	2,6 m	2,9 m
Bucket digging force	10.200 kg (115 kN)	10.200 kg (115 kN)	10.200 kg (115 kN)
Bucket digging force at PowerMax	12.500 kg (123 kN)	12.500 kg (123 kN)	12.500 kg (123 kN)
Arm crowd force	9.100 kg (89 kN)	8.200 kg (80 kN)	7.600 kg (74 kN)
Arm crowd force at PowerMax	9.700 kg (95 kN)	9.000 kg (88 kN)	8.100 kg (79 kN)

Dimensions & Performance Figures

MONO BOOM



Driving position

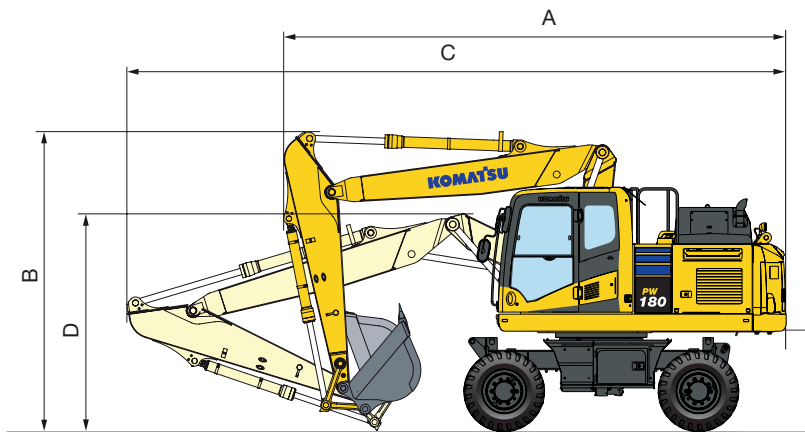
Arm length	A	B
2,25 m	8.930 mm	3.565 mm
2,6 m	8.930 mm	3.565 mm
2,9 m *	8.930 mm	3.565 mm

Transport position

Arm length	C	D
2,25 m	8.970 mm	3.155 mm
2,6 m	8.975 mm	3.170 mm
2,9 m	8.985 mm	3.255 mm

* Driving position without bucket

TWO-PIECE BOOM



Driving position

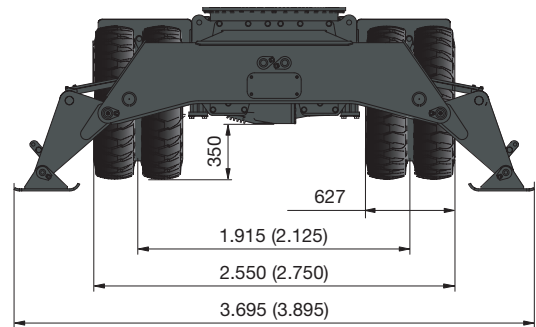
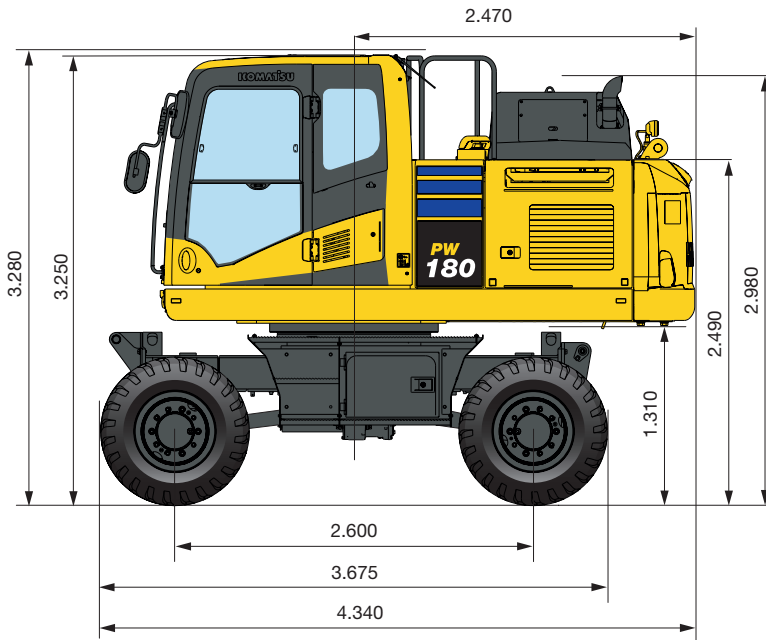
Arm length	A	B
2,25 m	6.740 mm	3.945 mm
2,6 m	6.745 mm	3.945 mm
2,9 m *	6.780 mm	3.945 mm

Transport position

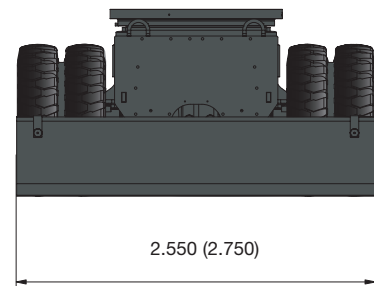
Arm length	C	D**
2,25 m	8.910 mm	3.085 mm
2,6 m	8.905 mm	3.145 mm
2,9 m	8.875 mm	3.240 mm

* Driving position without bucket

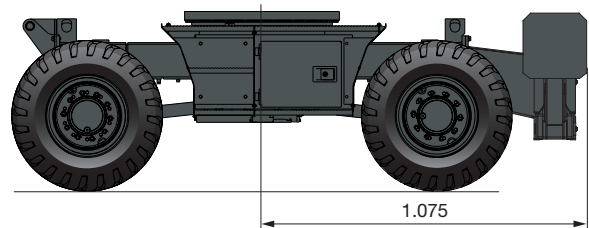
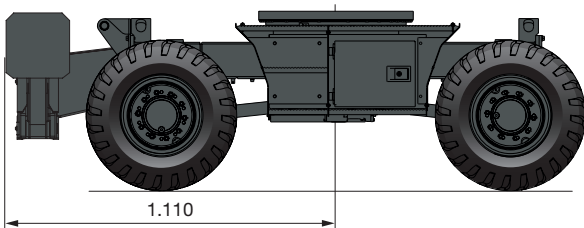
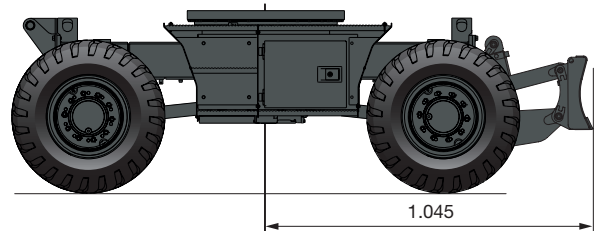
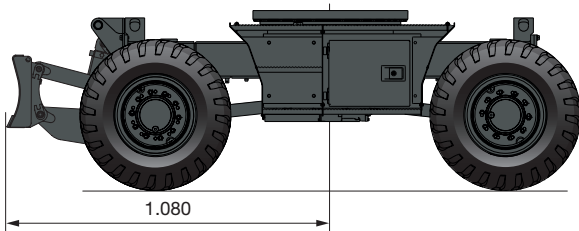
** Height to top of hose



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

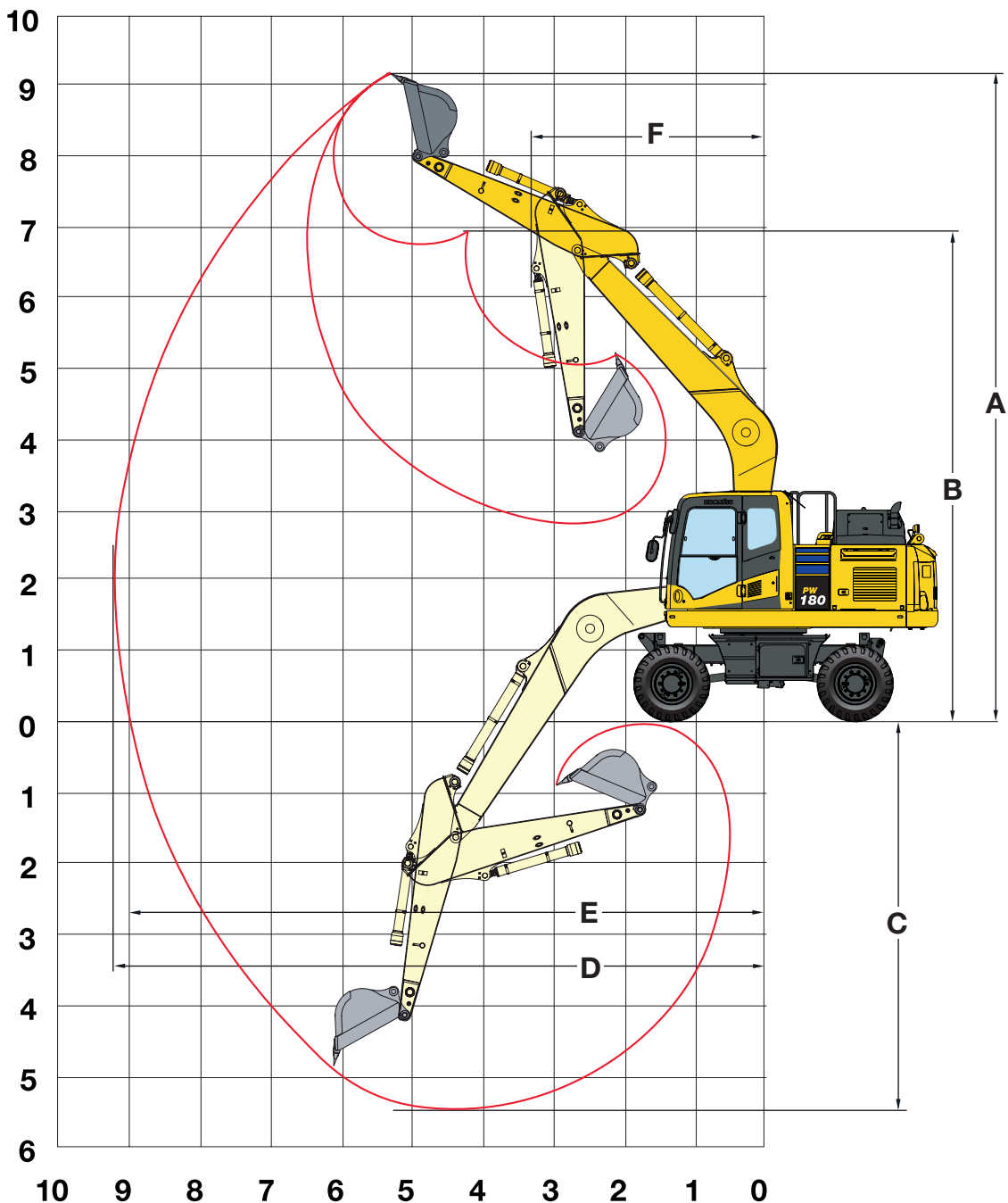


(): Figures for 2,75 m undercarriage



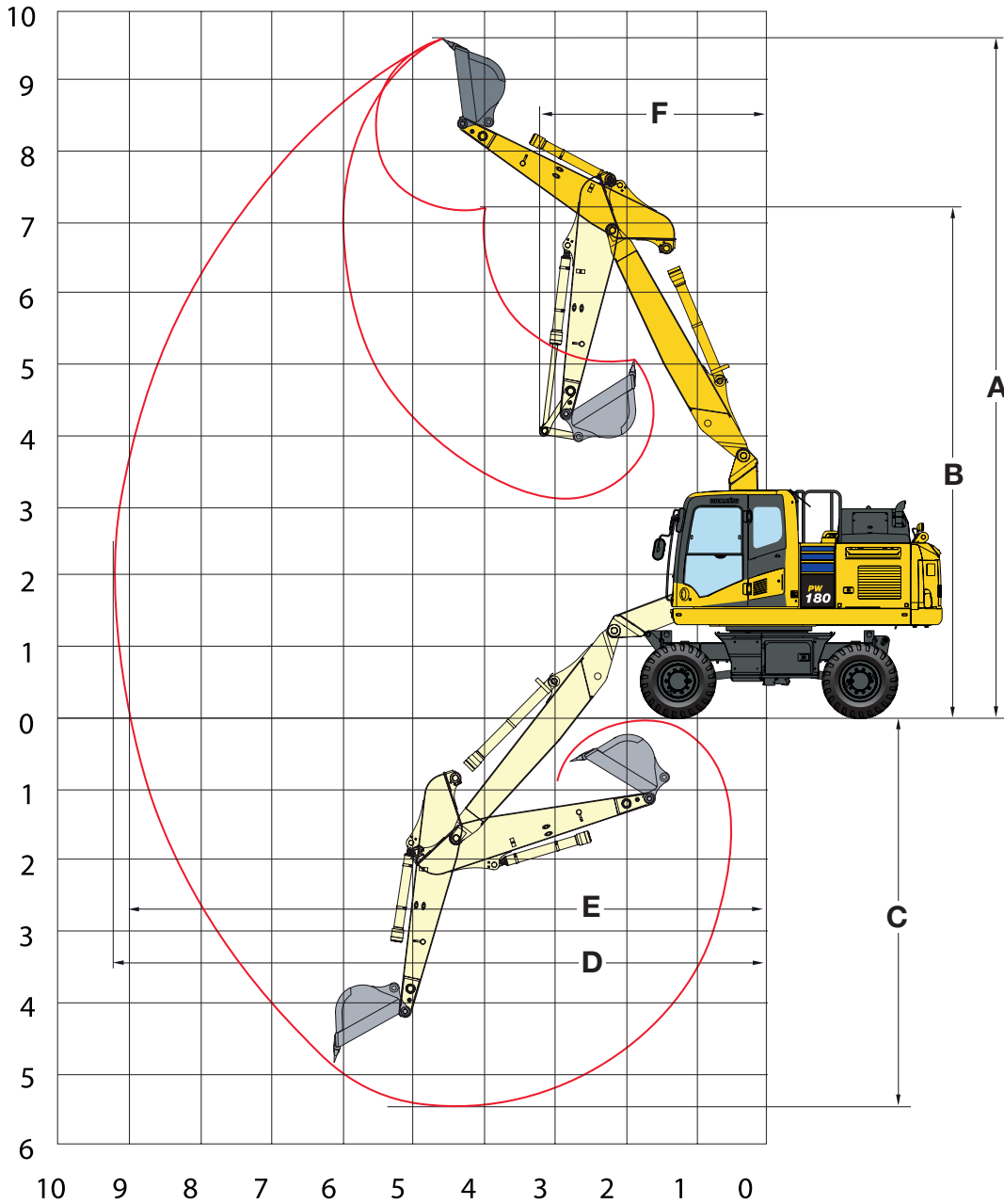
Working Range

MONO BOOM



ARM LENGTH	2,25 m	2,6 m	2,9 m
A Max. digging height	9.458 mm	9.562 mm	9.756 mm
B Max. dumping height	6.915 mm	7.064 mm	7.236 mm
C Max. digging depth	5.321 mm	5.676 mm	5.966 mm
D Max. digging reach	9.061 mm	9.345 mm	9.929 mm
E Max. digging reach at ground level	8.907 mm	9.227 mm	9.509 mm
F Min. swing radius	3.543 mm	3.829 mm	4.057 mm


TWO-PIECE BOOM





ARM LENGTH	2,25 m	2,6 m	2,9 m
A Max. digging height	9.942 mm	10.129 mm	10.350 mm
B Max. dumping height	7.283 mm	7.489 mm	7.709 mm
C Max. digging depth	5.400 mm	5.742 mm	6.044 mm
D Max. digging reach	9.080 mm	9.401 mm	9.683 mm
E Max. digging reach at ground level	8.907 mm	9.227 mm	9.509 mm
F Min. swing radius	3.065 mm	3.311 mm	3.511 mm

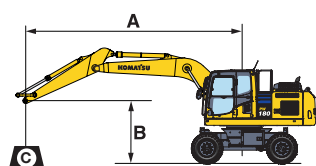
Lifting Capacity

Mono boom / undercarriage width 2,55 m

Arm length	A	B																																																																																																										
		⊗		7,5 m		6,0 m		4,5 m		3,0 m		1,5 m																																																																																																
		⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗																																																																																																
 <p>Without stabilizer</p>	2,25 m	7,5 m kg	*3.350	*3.350					*5.150	4.800			6,0 m kg	*3.000	2.450			4.150	3.000	*5.600	4.800	4,5 m kg	2.850	2.000	2.850	2.000	4.050	2.900	6.350	4.500	*8.150	*8.150	3,0 m kg	2.550	1.800	2.750	1.950	3.900	2.750	5.950	4.150			1,5 m kg	2.400	1.700	2.700	1.900	3.700	2.550	5.550	3.800			0,0 m kg	2.450	1.750	2.600	1.800	3.550	2.450	5.300	3.600			- 1,5 m kg	2.750	1.900			3.500	2.400	5.250	3.550	*9.100	6.400	- 3,0 m kg	3.350	2.350			3.550	2.450	5.300	3.600	*8.500	6.550	- 4,5 m kg																				
		2,6 m	7,5 m kg	*2.750	*2.750									6,0 m kg	*2.550	2.250			4.200	3.050					4,5 m kg	*2.450	1.850	2.850	2.000	4.050	2.950	*6.050	4.600			3,0 m kg	2.400	1.650	2.750	1.950	3.900	2.750	6.000	4.200			1,5 m kg	2.250	1.600	2.650	1.850	3.650	2.550	5.550	3.800			0,0 m kg	2.250	1.600	2.550	1.800	3.500	2.400	5.250	3.550	*5.600	*5.600	- 1,5 m kg	2.400	1.750	2.550	1.750	3.450	2.400	5.200	3.450	*8.950	6.300	- 3,0 m kg	3.000	2.100			3.450	2.400	5.250	3.500	*9.450	6.400	- 4,5 m kg																	
			2,9 m	7,5 m kg	*2.350	*2.350				*3.000	*3.000				6,0 m kg	*2.150	2.050			*4.100	3.000					4,5 m kg	*2.100	1.700	2.800	1.950	4.050	2.900	*5.050	4.600			3,0 m kg	*2.150	1.500	2.700	1.900	3.850	2.700	6.000	4.200	11.750	7.700	1,5 m kg	2.100	1.450	2.600	1.800	3.650	2.550	5.550	3.800			0,0 m kg	2.150	1.500	2.500	1.700	3.450	2.400	5.250	3.550	*5.750	*5.750	- 1,5 m kg	2.350	1.600	2.400	1.650	3.400	2.300	5.150	3.450	*8.500	6.200	- 3,0 m kg	2.700	1.900			3.400	2.300	5.150	3.450	10.100	6.300	- 4,5 m kg	*4.150	3.000					*4.800	3.600								
				 <p>Front or rear blade</p>	2,25 m	7,5 m kg	*3.350	*3.350					*5.150	*5.200			6,0 m kg	*3.000	2.850			*5.000	3.450	*5.600	5.450	4,5 m kg	*2.900	2.350	*2.900	2.350	*6.050	3.350	*7.250	5.200	*8.150	*8.150	3,0 m kg	*2.950	2.100	*5.000	2.250	*6.550	3.150	*8.600	4.800			1,5 m kg	*3.100	2.000	5.450	2.200	*6.950	3.000	*9.550	4.400			0,0 m kg	*3.450	2.050	*5.300	2.150	*7.000	2.850	*9.450	4.200			- 1,5 m kg	*4.150	2.250			*6.400	2.850	*8.600	4.200	*9.100	7.650	- 3,0 m kg	*4.150	2.700			*4.700	2.850	*6.700	4.200	*8.500	7.800	- 4,5 m kg																
						2,6 m	7,5 m kg	*2.750	*2.750								6,0 m kg	*2.550	*2.550			*4.500	3.450					4,5 m kg	*2.450	2.150	*3.600	2.350	*5.550	3.350	*6.050	5.250			3,0 m kg	*2.550	1.950	*4.950	2.250	*6.350	3.150	*8.250	4.800			1,5 m kg	*2.700	1.850	5.400	2.150	*6.800	3.000	*9.300	4.400			0,0 m kg	*3.050	1.900	*5.350	2.100	*6.950	2.850	*9.550	4.200	*5.600	*5.600	- 1,5 m kg	*3.600	2.050	*4.150	2.100	*6.500	2.800	*8.750	4.100	*8.950	7.500	- 3,0 m kg	*4.250	2.450			*5.200	2.800	*7.150	4.150	*9.450	7.650	- 4,5 m kg														
							2,9 m	7,5 m kg	*2.350	*2.350				*3.000	*3.000			6,0 m kg	*2.150	*2.200			*4.100	3.450					4,5 m kg	*2.100	2.000	*3.700	2.300	*4.900	3.300	*5.050	*5.050			3,0 m kg	*2.150	1.800	*4.700	2.250	*6.100	3.150	*7.800	4.850	*12.050	9.000	1,5 m kg	*2.300	1.700	*5.350	2.100	*6.650	2.950	*9.100	4.450			0,0 m kg	*2.600	1.750	5.250	2.050	*6.850	2.800	*9.450	4.150	*5.750	*5.750	- 1,5 m kg	*3.050	1.900	*4.850	2.000	*6.550	2.700	*8.950	4.050	*8.500	7.400	- 3,0 m kg	*4.050	2.250			*5.500	2.700	*7.550	4.050	*10.250	7.550	- 4,5 m kg	*4.150	3.550					*4.800	4.200					
								 <p>Rear outrigger</p>	2,25 m	7,5 m kg	*3.350	*3.350					*5.150	*5.150			6,0 m kg	*3.000	*3.000			*5.000	4.150	*5.600	*5.600	4,5 m kg	*2.900	2.850	*2.900	2.850	*6.050	4.050	*7.250	6.300	*8.150	*8.150	3,0 m kg	*2.950	2.550	*5.000	2.800	*6.550	3.900	*8.600	5.850			1,5 m kg	*3.100	2.450	5.100	2.700	6.900	3.700	*9.550	5.450			0,0 m kg	*3.450	2.500	5.050	2.650	*7.000	3.550	*9.450	5.250			- 1,5 m kg	*4.150	2.750			*6.400	3.500	*8.600	5.200	*9.100	*9.100	- 3,0 m kg	*4.150	3.350			*4.700	3.550	*6.700	5.250	*8.500	*8.500	- 4,5 m kg												
										2,6 m	7,5 m kg	*2.750	*2.750								6,0 m kg	*2.550	*2.550			*4.500	4.200					4,5 m kg	*2.450	*2.500	*3.600	2.850	*5.550	4.050	*6.050	*6.000			3,0 m kg	*2.550	2.400	*4.950	2.750	*6.350	3.900	*8.250	5.900			1,5 m kg	*2.700	2.300	5.100	2.700	*6.800	3.650	*9.300	5.500			0,0 m kg	*3.050	2.350	4.950	2.600	*6.950	3.500	*9.550	5.250	*5.600	*5.600	- 1,5 m kg	*3.600	2.550	*4.150	2.550	*6.500	3.450	*8.750	5.100	*8.950	*8.950	- 3,0 m kg	*4.250	3.000			*5.200	3.450	*7.150	5.150	*9.450	*9.450	- 4,5 m kg										
											2,9 m	7,5 m kg	*2.350	*2.350				*3.000	*3.000			6,0 m kg	*2.150	*2.150			*4.100	*4.100					4,5 m kg	*2.100	*2.100	*3.700	2.800	*4.900	4.050	*5.050	*5.050			3,0 m kg	*2.150	*2.150	*4.700	2.700	*6.100	3.850	*7.800	5.950	*12.050	11.300	1,5 m kg	*2.300	2.150	5.000	2.600	*6.650	3.600	*9.100	5.500			0,0 m kg	*2.600	2.150	4.950	2.550	6.850	3.450	*9.450	5.200	*5.750	*5.750	- 1,5 m kg	*3.050	2.350	4.850	2.500	*6.550	3.400	*8.950	5.100	*8.500	*8.500	- 3,0 m kg	*4.050	2.750			*5.500	3.400	*7.550	5.100	*10.250	9.750	- 4,5 m kg	*4.150	*4.150					*4.800	*4.800	

PW180-11

Arm length	A	B	⊗		7,5 m		6,0 m		4,5 m		3,0 m		1,5 m		
			🔧	🔧	🔧	🔧	🔧	🔧	🔧	🔧	🔧	🔧	🔧	🔧	
 <p>Outrigger + blade</p>	2,25 m	7,5 m	kg	*3.350	*3.350					*5.150	*5.150				
		6,0 m	kg	*3.000	*3.000			*5.000	*5.000	*5.600	*5.600				
		4,5 m	kg	*2.900	*2.900	*2.900	*2.900	*6.050	5.050	*7.250	*7.250	*8.150	*8.150		
		3,0 m	kg	*2.950	*2.950	*5.000	3.450	*6.550	4.850	*8.600	7.500				
		1,5 m	kg	*3.100	3.100	*5.500	3.400	*6.950	4.650	*9.550	7.050				
		0,0 m	kg	*3.450	3.150	*5.300	3.300	*7.000	4.500	*9.450	6.850				
		- 1,5 m	kg	*4.150	3.450			*6.400	4.500	*8.600	6.800	*9.100	*9.100		
		- 3,0 m	kg	*4.150	*4.150			*4.700	4.500	*6.700	*6.700	*8.500	*8.500		
	- 4,5 m	kg													
	2,6 m	7,5 m	kg	*2.750	*2.750										
		6,0 m	kg	*2.550	*2.550			*4.500	*4.500						
		4,5 m	kg	*2.450	*2.450	*3.600	3.550	*5.550	5.050	*6.050	*6.050				
		3,0 m	kg	*2.550	*2.550	*4.950	3.450	*6.350	4.850	*8.250	7.550				
		1,5 m	kg	*2.700	*2.700	*5.450	3.350	*6.800	4.650	*9.300	7.100				
		0,0 m	kg	*3.050	3.000	*5.350	3.300	*6.950	4.500	*9.550	6.800	*5.600	*5.600		
		- 1,5 m	kg	*3.600	3.250	*4.150	3.300	*6.500	4.400	*8.750	6.750	*8.950	*8.950		
		- 3,0 m	kg	*4.250	3.900			*5.200	4.450	*7.150	6.750	*9.450	*9.450		
	- 4,5 m	kg													
	2,9 m	7,5 m	kg	*2.350	*2.350			*3.000	*3.000						
		6,0 m	kg	*2.150	*2.150			*4.100	*4.100						
		4,5 m	kg	*2.100	*2.100	*3.700	3.500	*4.900	*4.900	*5.050	*5.050				
		3,0 m	kg	*2.150	*2.150	*4.700	3.450	*6.100	4.850	*7.800	7.650	*12.050	*12.050		
		1,5 m	kg	*2.300	*2.300	*5.350	3.300	*6.650	4.650	*9.100	7.100				
		0,0 m	kg	*2.600	*2.600	*5.350	3.250	*6.850	4.450	*9.450	6.800	*5.750	*5.750		
- 1,5 m		kg	*3.050	3.000	*4.850	3.200	*6.550	4.350	*8.950	6.650	*8.500	*8.500	*5.100	*5.100	
- 3,0 m		kg	*4.050	3.550			*5.500	4.350	*7.550	6.700	*10.250	*10.250			
- 4,5 m	kg	*4.150	*4.150					*4.800	*4.800						
 <p>Outrigger front + rear</p>	2,25 m	7,5 m	kg	*3.350	*3.350					*5.150	*5.150				
		6,0 m	kg	*3.000	*3.000			*5.000	*5.000	*5.600	*5.600				
		4,5 m	kg	*2.900	*2.900	*2.900	*2.900	*6.050	*6.050	*7.250	*7.250	*8.150	*8.150		
		3,0 m	kg	*2.950	*2.950	*5.000	3.950	*6.550	6.000	*8.600	*8.600				
		1,5 m	kg	*3.100	*3.100	*5.500	4.150	*6.950	5.750	*9.550	9.000				
		0,0 m	kg	*3.450	*3.450	*5.300	3.800	*7.000	5.600	*9.450	8.750				
		- 1,5 m	kg	*4.150	*4.150			*6.400	5.550	*8.600	*8.600	*9.100	*9.100		
		- 3,0 m	kg	*4.150	*4.150			*4.700	*4.700	*6.700	*6.700	*8.500	*8.500		
	- 4,5 m	kg													
	2,6 m	7,5 m	kg	*2.750	*2.750										
		6,0 m	kg	*2.550	*2.550			*4.500	*4.500						
		4,5 m	kg	*2.450	*2.450	*3.600	*3.600	*5.550	*5.550	*6.050	*6.050				
		3,0 m	kg	*2.550	*2.550	*4.950	4.200	*6.350	6.000	*8.250	*8.250				
		1,5 m	kg	*2.700	*2.700	*5.450	3.850	*6.800	5.750	*9.300	9.000				
		0,0 m	kg	*3.050	*3.050	*5.350	4.050	*6.950	5.550	*9.550	8.700	*5.600	*5.600		
		- 1,5 m	kg	*3.600	*3.600	*4.150	4.050	*6.500	5.500	*8.750	8.600	*8.950	*8.950		
		- 3,0 m	kg	*4.250	*4.250			*5.200	*5.200	*7.150	*7.150	*9.450	*9.450		
	- 4,5 m	kg													
	2,9 m	7,5 m	kg	*2.350	*2.350			*3.000	*3.000						
		6,0 m	kg	*2.150	*2.150			*4.100	*4.100						
		4,5 m	kg	*2.100	*2.100	*3.700	*3.700	*4.900	*4.900	*5.050	*5.050				
		3,0 m	kg	*2.150	*2.150	*4.700	4.200	*6.100	5.950	*7.800	*7.800	*12.050	*12.050		
		1,5 m	kg	*2.300	*2.300	*5.350	4.050	*6.650	5.700	*9.100	9.050				
		0,0 m	kg	*2.600	*2.600	*5.350	4.000	*6.850	5.550	*9.450	8.700	*5.750	*5.750		
- 1,5 m		kg	*3.050	*3.050	*4.850	3.950	*6.550	5.450	*8.950	8.550	*8.500	*8.500	*5.100	*5.100	
- 3,0 m		kg	*4.050	*4.050			*5.500	5.450	*7.550	*7.550	*10.250	*10.250			
- 4,5 m	kg	*4.150	*4.150					*4.800	*4.800						



- 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

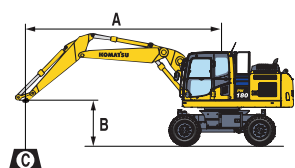
Lifting Capacity

Two-piece boom / undercarriage width 2,55 m

Arm length	A	⊗		7,5 m		6,0 m		4,5 m		3,0 m		1,5 m			
		⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗		
 <p>Without stabilizer</p>	2,25 m	7,5 m	kg	*3.650	3.400					*5.450	4.800				
		6,0 m	kg	*3.150	2.400			4.150	3.000		*5.400	4.800			
		4,5 m	kg	2.800	2.000	2.850	2.050	4.050	2.950	6.350	4.550	*6.350	*6.350		
		3,0 m	kg	2.550	1.800	2.800	1.950	3.900	2.800	6.000	4.200				
		1,5 m	kg	2.400	1.750	2.700	1.950	3.650	2.600	5.600	3.800				
		0,0 m	kg	2.550	1.800	2.700	1.850	3.600	2.550	5.400	3.650				
		- 1,5 m	kg	2.750	1.950			3.600	2.450	5.400	3.600	*8.250	6.600		
		- 3,0 m	kg												
	- 4,5 m	kg													
	2,6 m	7,5 m	kg	*3.000	*3.000										
		6,0 m	kg	*2.700	2.200			4.200	3.000						
		4,5 m	kg	*2.550	1.850	2.850	2.050	4.050	2.950	*5.400	4.600				
		3,0 m	kg	2.400	1.650	2.750	1.950	3.900	2.800	6.000	4.200				
		1,5 m	kg	2.300	1.600	2.700	1.900	3.750	2.550	5.600	3.850				
		0,0 m	kg	2.350	1.650	2.650	1.800	3.600	2.450	5.400	3.600				
		- 1,5 m	kg	2.550	1.800	2.600	1.800	3.350	2.400	5.300	3.550	*8.150	6.450		
		- 3,0 m	kg	3.250	2.250			3.550	2.450	5.350	3.600				
	- 4,5 m	kg													
	2,9 m	7,5 m	kg	*2.550	*2.550			*3.450	3.000						
		6,0 m	kg	*2.300	2.000			4.150	3.000						
		4,5 m	kg	*2.200	1.650	2.800	1.950	4.050	2.900	*4.550	*4.550				
		3,0 m	kg	2.200	1.500	2.700	1.950	3.900	2.750	6.000	4.200				
		1,5 m	kg	2.100	1.450	2.650	1.800	3.700	2.550	5.600	3.850				
		0,0 m	kg	2.150	1.500	2.550	1.750	3.550	2.400	5.350	3.600	*4.900	*4.900		
- 1,5 m		kg	2.350	1.650	2.500	1.750	3.450	2.350	5.250	3.500	*7.700	6.350			
- 3,0 m		kg	2.850	1.950			3.450	2.350	5.250	3.550					
- 4,5 m	kg														
 <p>Front or rear blade</p>	2,25 m	7,5 m	kg	*3.650	*3.650					*5.450	5.450				
		6,0 m	kg	*3.150	2.800			*5.200	3.450	*5.400	*5.350				
		4,5 m	kg	*3.000	2.300	*3.350	2.350	*5.600	3.350	*6.500	5.200	*6.350	*6.350		
		3,0 m	kg	*3.000	2.100	*4.750	2.300	*5.950	3.200	*8.250	4.800				
		1,5 m	kg	*3.050	2.000	*4.950	2.250	*6.400	3.050	*9.550	4.500				
		0,0 m	kg	*3.350	2.100	*5.200	2.200	*7.000	2.950	*9.550	4.300				
		- 1,5 m	kg	*3.850	2.250			*6.400	2.900	*8.700	4.250	*8.250	7.850		
		- 3,0 m	kg												
	- 4,5 m	kg													
	2,6 m	7,5 m	kg	*3.000	*3.000										
		6,0 m	kg	*2.700	2.550			*4.650	3.450						
		4,5 m	kg	*2.550	2.150	*3.950	2.350	*5.400	3.350	*5.400	5.250				
		3,0 m	kg	*2.550	1.950	*4.600	2.250	*5.700	3.200	*7.800	4.850				
		1,5 m	kg	*2.650	1.900	*4.800	2.200	*6.200	3.000	*9.300	4.500				
		0,0 m	kg	*2.900	1.950	*5.050	2.150	*6.750	2.900	*9.550	4.250				
		- 1,5 m	kg	*3.350	2.100	*4.600	2.100	*6.600	2.850	*8.950	4.200	*8.150	7.700		
		- 3,0 m	kg	*4.700	2.700			*5.250	2.850	*7.300	4.200				
	- 4,5 m	kg													
	2,9 m	7,5 m	kg	*2.550	*2.550			*3.450	3.450						
		6,0 m	kg	*2.300	*2.300			*4.150	3.450						
		4,5 m	kg	*2.200	1.950	*3.900	2.300	*4.700	3.300	*4.550	*4.550				
		3,0 m	kg	*2.200	1.800	*4.400	2.250	*5.550	3.150	*7.550	4.850				
		1,5 m	kg	*2.300	1.750	*4.650	2.150	*6.050	3.000	*8.850	4.500				
		0,0 m	kg	*2.450	1.750	*4.900	2.100	*6.600	2.850	*9.550	4.200	*4.900	*4.900		
- 1,5 m		kg	*2.850	1.900	*4.900	2.050	*6.650	2.800	*9.050	4.150	*7.700	7.650			
- 3,0 m		kg	*4.150	2.300			*5.550	2.800	*7.650	4.150					
- 4,5 m	kg														
 <p>Rear outrigger</p>	2,25 m	7,5 m	kg	*3.650	*3.600					*5.450	*5.450				
		6,0 m	kg	*3.150	*3.150			*5.200	4.150	*5.400	*5.350				
		4,5 m	kg	*3.000	2.850	*3.350	2.850	*5.600	4.050	*6.500	6.300	*6.350	*6.350		
		3,0 m	kg	*3.000	2.550	*4.750	2.800	*5.950	3.900	*8.250	5.900				
		1,5 m	kg	*3.050	2.500	*4.950	2.700	*6.400	3.750	*9.550	5.550				
		0,0 m	kg	*3.350	2.550	5.100	2.700	*7.000	3.600	*9.550	5.350				
		- 1,5 m	kg	*3.850	2.800			*6.400	3.600	*8.700	5.300	*8.250	*8.250		
		- 3,0 m	kg												
	- 4,5 m	kg													
	2,6 m	7,5 m	kg	*3.000	*3.000										
		6,0 m	kg	*2.700	*2.650			*4.650	4.150						
		4,5 m	kg	*2.550	*2.550	*3.950	2.850	*5.400	4.050	*5.400	*5.400				
		3,0 m	kg	*2.550	2.400	*4.600	2.800	*5.700	3.900	*7.800	5.950				
		1,5 m	kg	*2.650	2.300	*4.800	2.700	*6.200	3.700	*9.300	5.550				
		0,0 m	kg	*2.900	2.400	*5.050	2.650	*6.750	3.600	*9.550	5.300				
		- 1,5 m	kg	*3.350	2.550	*4.600	2.650	*6.600	3.500	*8.950	5.250	*8.150	*8.150		
		- 3,0 m	kg	*4.700	3.300			*5.250	3.550	*7.300	5.300				
	- 4,5 m	kg													
	2,9 m	7,5 m	kg	*2.550	*2.550			*3.450	*3.450						
		6,0 m	kg	*2.300	*2.300			*4.150	4.150						
		4,5 m	kg	*2.200	*2.200	*3.900	2.850	*4.700	4.050	*4.550	*4.550				
		3,0 m	kg	*2.200	*2.200	*4.400	2.750	*5.550	3.850	*7.550	5.950				
		1,5 m	kg	*2.300	2.150	*4.650	2.650	*6.050	3.650	*8.850	5.550				
		0,0 m	kg	*2.450	2.200	*4.900	2.550	*6.600	3.550	*9.550	5.250	*4.900	*4.900		
- 1,5 m		kg	*2.850	2.400	*4.900	2.550	*6.650	3.450	*9.050	5.200	*7.700	*7.700			
- 3,0 m		kg	*4.150	2.850			*5.550	3.450	*7.650	5.250					
- 4,5 m	kg														

PW180-11




Arm length	A	⊗		7,5 m		6,0 m		4,5 m		3,0 m		1,5 m		
		⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	
 <p>Outrigger + blade</p>	2,25 m	7,5 m kg	*3.650	*3.650					*5.450	*5.450				
		6,0 m kg	*3.150	*3.150			*5.200	5.150		*5.400	*5.400			
		4,5 m kg	*3.000	*3.000	*3.350	*3.350	*5.600	5.050		*6.500	*6.500	*6.350	*6.350	
		3,0 m kg	*3.000	*3.000	*4.750	3.500	*5.950	4.900		*8.250	7.550			
		1,5 m kg	*3.050	*3.050	*4.950	3.450	*6.400	4.700		*9.550	7.150			
		0,0 m kg	*3.350	3.200	*5.200	3.400	*7.000	4.600		*9.550	6.950			
		- 1,5 m kg	*3.850	3.550			*6.400	4.550		*8.700	6.900	*8.250	*8.250	
		- 3,0 m kg												
	- 4,5 m kg													
	2,6 m	7,5 m kg	*3.000	*3.000										
		6,0 m kg	*2.700	*2.700			*4.650	*4.650						
		4,5 m kg	*2.550	*2.550	*3.950	3.600	*5.400	5.100		*5.400	*5.400			
		3,0 m kg	*2.550	*2.550	*4.600	3.500	*5.700	4.900		*7.800	7.650			
		1,5 m kg	*2.650	*2.650	*4.800	3.400	*6.200	4.700		*9.300	7.200			
		0,0 m kg	*2.900	*2.900	*5.050	3.350	*6.750	4.550		*9.550	6.900			
		- 1,5 m kg	*3.350	3.300	*4.600	3.300	*6.600	4.500		*8.950	6.850	*8.150	*8.150	
		- 3,0 m kg	*4.700	4.200			*5.250	4.550		*7.300	6.900			
	- 4,5 m kg													
	2,9 m	7,5 m kg	*2.550	*2.550			*3.450	*3.450						
		6,0 m kg	*2.300	*2.300			*4.150	*4.150						
		4,5 m kg	*2.200	*2.200	*3.900	3.550	*4.700	*4.700		*4.550	*4.550			
		3,0 m kg	*2.200	*2.200	*4.400	3.450	*5.550	4.850		*7.550	*7.550			
		1,5 m kg	*2.300	*2.300	*4.650	3.350	*6.050	4.650		*8.850	7.200			
		0,0 m kg	*2.450	*2.450	*4.900	3.300	*6.600	4.500		*9.550	6.900	*4.900	*4.900	
- 1,5 m kg		*2.850	*2.850	*4.900	3.250	*6.650	4.450		*9.050	6.750	*7.700	*7.700		
- 3,0 m kg		*4.150	3.650			*5.550	4.450		*7.650	6.800				
- 4,5 m kg														
 <p>Outrigger front + rear</p>	2,25 m	7,5 m kg	*3.650	*3.650					*5.450	*5.450				
		6,0 m kg	*3.150	*3.150			*5.200	*5.200		*5.400	*5.400			
		4,5 m kg	*3.000	*3.000	*3.350	*3.350	*5.600	*5.600		*6.500	*6.500	*6.350	*6.350	
		3,0 m kg	*3.000	*3.000	*4.750	4.300	*5.950	*5.950		*8.250	*8.250			
		1,5 m kg	*3.050	*3.050	*4.950	4.200	*6.400	5.850		*9.550	9.050			
		0,0 m kg	*3.350	*3.350	*5.200	4.150	*7.000	5.700		*9.550	8.900			
		- 1,5 m kg	*3.850	*3.850			*6.400	5.650		*8.700	*8.700	*8.250	*8.250	
		- 3,0 m kg												
	- 4,5 m kg													
	2,6 m	7,5 m kg	*3.000	*3.000										
		6,0 m kg	*2.700	*2.700			*4.650	*4.650						
		4,5 m kg	*2.550	*2.550	*3.950	*3.950	*5.400	*5.400		*5.400	*5.400			
		3,0 m kg	*2.550	*2.550	*4.600	4.250	*5.700	*5.700		*7.800	*7.800			
		1,5 m kg	*2.650	*2.650	*4.800	4.200	*6.200	5.800		*9.300	9.150			
		0,0 m kg	*2.900	*2.900	*5.050	3.850	*6.750	5.650		*9.550	8.850			
		- 1,5 m kg	*3.350	*3.350	*4.600	4.100	*6.600	5.600		*8.950	8.750	*8.150	*8.150	
		- 3,0 m kg	*4.700	*4.700			*5.250	*5.250		*7.300	*7.300			
	- 4,5 m kg													
	2,9 m	7,5 m kg	*2.550	*2.550			*3.450	*3.450						
		6,0 m kg	*2.300	*2.300			*4.150	*4.150						
		4,5 m kg	*2.200	*2.200	*3.900	*3.900	*4.700	*4.700		*4.550	*4.550			
		3,0 m kg	*2.200	*2.200	*4.400	4.200	*5.550	*5.550		*7.550	*7.550			
		1,5 m kg	*2.300	*2.300	*4.650	4.100	*6.050	5.750		*8.850	*8.850			
		0,0 m kg	*2.450	*2.450	*4.900	4.050	*6.600	5.600		*9.550	8.850	*4.900	*4.900	
- 1,5 m kg		*2.850	*2.850	*4.900	3.750	*6.650	5.550		*9.050	8.700	*7.700	*7.700		
- 3,0 m kg		*4.150	*4.150			*5.550	*5.550		*7.650	*7.650				
- 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

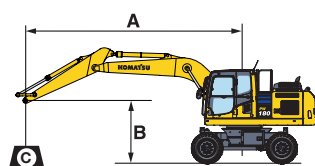
Lifting Capacity

Mono boom / undercarriage width 2,75 m

Arm length	A	⊗		7,5 m		6,0 m		4,5 m		3,0 m		1,5 m		
		⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	
 <p>Without stabilizer</p>	2,25 m	7,5 m kg	*3.350	*3.350					*5.150	*5.150				
		6,0 m kg	*3.000	2.700			4.150	3.300		*5.600	5.300			
		4,5 m kg	2.850	2.250	2.850	2.250	4.050	3.250	6.350	5.050	*8.150	*8.150		
		3,0 m kg	2.550	2.000	2.750	2.200	3.900	3.100	5.950	4.650				
		1,5 m kg	2.400	1.950	2.700	2.100	3.700	2.850	5.550	4.300				
		0,0 m kg	2.450	1.950	2.600	2.050	3.550	2.800	5.300	4.050				
		- 1,5 m kg	2.750	2.150			3.500	2.700	5.250	4.050	*9.100	7.450		
		- 3,0 m kg	3.350	2.600			3.550	2.800	5.300	4.100	*8.500	7.650		
		- 4,5 m kg												
	2,6 m	7,5 m kg	*2.750	*2.750										
		6,0 m kg	*2.550	2.550			4.200	3.350						
		4,5 m kg	*2.450	2.100	2.850	2.250	4.050	3.300	*6.050	5.100				
		3,0 m kg	2.400	1.900	2.750	2.200	3.900	3.100	6.000	4.700				
		1,5 m kg	2.250	1.800	2.650	2.100	3.650	2.850	5.550	4.300				
		0,0 m kg	2.250	1.800	2.550	2.000	3.500	2.750	5.250	4.050	*5.600	*5.600		
		- 1,5 m kg	2.400	1.950	2.550	2.000	3.450	2.650	5.200	3.950	*8.950	7.300		
		- 3,0 m kg	3.000	2.400			3.450	2.700	5.250	4.000	*9.450	7.400		
		- 4,5 m kg												
	2,9 m	7,5 m kg	*2.350	*2.350			*3.000	*3.000						
		6,0 m kg	*2.150	*2.150			*4.100	3.300						
		4,5 m kg	*2.100	1.950	2.800	2.250	4.050	3.250	*5.050	*5.050				
		3,0 m kg	*2.150	1.750	2.700	2.100	3.850	3.050	6.000	4.700	11.750	8.750		
		1,5 m kg	2.100	1.650	2.600	2.050	3.650	2.850	5.550	4.300				
		0,0 m kg	2.150	1.650	2.500	1.950	3.450	2.700	5.250	4.050	*5.750	*5.750		
		- 1,5 m kg	2.350	1.800	2.400	1.950	3.400	2.600	5.150	3.900	*8.500	7.200	*5.100	*5.100
		- 3,0 m kg	2.700	2.100			3.400	2.600	5.150	3.900	10.100	7.350		
		- 4,5 m kg	*4.150	3.450						*4.800	4.050			
 <p>Front or rear blade</p>	2,25 m	7,5 m kg	*3.350	*3.350					*5.150	*5.150				
		6,0 m kg	*3.000	*3.000			*5.000	3.800	*5.600	*5.600				
		4,5 m kg	*2.900	2.550	*2.900	2.550	*6.050	3.700	*7.250	5.750	*8.150	*8.150		
		3,0 m kg	*2.950	2.300	*5.000	2.550	*6.550	3.500	*8.600	5.350				
		1,5 m kg	*3.100	2.250	5.450	2.450	*6.950	3.350	*9.550	4.950				
		0,0 m kg	*3.450	2.250	*5.300	2.400	*7.000	3.200	*9.450	4.750				
		- 1,5 m kg	*4.150	2.500			*6.400	3.150	*8.600	4.700	*9.100	8.750		
		- 3,0 m kg	*4.150	3.000			*4.700	3.200	*6.700	4.750	*8.500	*8.500		
		- 4,5 m kg												
	2,6 m	7,5 m kg	*2.750	*2.750										
		6,0 m kg	*2.550	*2.550			*4.500	3.800						
		4,5 m kg	*2.450	2.400	*3.600	2.550	*5.550	3.700	*6.050	5.800				
		3,0 m kg	*2.550	2.200	*4.950	2.500	*6.350	3.500	*8.250	5.400				
		1,5 m kg	*2.700	2.100	5.350	2.400	*6.800	3.300	*9.300	4.950				
		0,0 m kg	*3.050	2.100	*5.350	2.350	*6.950	3.150	*9.550	4.700	*5.600	*5.600		
		- 1,5 m kg	*3.600	2.300	*4.150	2.300	*6.500	3.100	*8.750	4.650	*8.950	8.600		
		- 3,0 m kg	*4.250	2.750			*5.200	3.150	*7.150	4.650	*9.450	8.750		
		- 4,5 m kg												
	2,9 m	7,5 m kg	*2.350	*2.350			*3.000	*3.000						
		6,0 m kg	*2.150	*2.150			*4.100	3.800						
		4,5 m kg	*2.100	*2.100	*3.700	2.550	*4.900	3.700	*5.050	*5.050				
		3,0 m kg	*2.150	2.000	*4.700	2.450	*6.100	3.500	*7.800	5.400	*12.050	10.200		
		1,5 m kg	*2.300	1.950	*5.350	2.400	*6.650	3.300	*9.100	4.950				
		0,0 m kg	*2.600	1.950	5.250	2.250	*6.850	3.150	*9.450	4.650	*5.750	*5.750		
		- 1,5 m kg	*3.050	2.100	*4.850	2.250	*6.550	3.050	*8.950	4.550	*8.500	*8.500	*5.100	*5.100
		- 3,0 m kg	*4.050	2.500			*5.500	3.050	*7.550	4.600	*10.250	8.700		
		- 4,5 m kg	*4.150	4.000						*4.800	4.700			
 <p>Rear outrigger</p>	2,25 m	7,5 m kg	*3.350	*3.350					*5.150	*5.150				
		6,0 m kg	*3.000	*3.000			*5.000	4.650	*5.600	*5.600				
		4,5 m kg	*2.900	*2.900	*2.900	*2.900	*6.050	4.500	*7.250	7.100	*8.150	*8.150		
		3,0 m kg	*2.950	2.850	*5.000	3.150	*6.550	4.350	*8.600	6.650				
		1,5 m kg	*3.100	2.800	5.100	3.050	*6.950	4.200	*9.550	6.250				
		0,0 m kg	*3.450	2.850	4.800	3.000	*7.000	4.050	*9.450	6.000				
		- 1,5 m kg	*4.150	3.100			*6.400	4.000	*8.600	6.000	*9.100	*9.100		
		- 3,0 m kg	*4.150	3.750			*4.700	4.050	*6.700	6.050	*8.500	*8.500		
		- 4,5 m kg												
	2,6 m	7,5 m kg	*2.750	*2.750										
		6,0 m kg	*2.550	*2.550			*4.500	*4.550						
		4,5 m kg	*2.450	*2.450	*3.600	3.150	*5.550	4.550	*6.050	*6.000				
		3,0 m kg	*2.550	*2.550	*4.950	3.100	*6.350	4.350	*8.250	6.700				
		1,5 m kg	*2.700	2.600	5.100	3.000	*6.800	4.150	*9.300	6.250				
		0,0 m kg	*3.050	2.650	4.950	2.950	*6.950	4.000	*9.550	6.000	*5.600	*5.600		
		- 1,5 m kg	*3.600	2.850	*4.150	2.900	*6.500	3.900	*8.750	5.900	*8.950	*8.950		
		- 3,0 m kg	*4.250	3.450			*5.200	3.950	*7.150	5.950	*9.450	*9.450		
		- 4,5 m kg												
	2,9 m	7,5 m kg	*2.350	*2.350			*3.000	*3.000						
		6,0 m kg	*2.150	*2.150			*4.100	*4.100						
		4,5 m kg	*2.100	*2.100	*3.700	3.150	*4.900	4.500	*5.050	*5.050				
		3,0 m kg	*2.150	*2.150	*4.700	3.050	*6.100	4.350	*7.800	6.750	*12.050	*12.050		
		1,5 m kg	*2.300	*2.300	5.050	3.000	*6.650	4.100	*9.100	6.300				
		0,0 m kg	*2.600	2.450	4.950	2.850	*6.850	3.950	*9.450	6.000	*5.750	*5.750		
		- 1,5 m kg	*3.050	2.700	*4.850	2.850	*6.550	3.900	*8.950	5.850	*8.500	*8.500	*5.100	*5.100
		- 3,0 m kg	*4.050	3.150			*5.500	3.900	*7.550	5.850	*10.250	*10.250		
		- 4,5 m kg	*4.150	*4.150						*4.800	*4.800			

PW180-11




Arm length	A	⊗		7,5 m		6,0 m		4,5 m		3,0 m		1,5 m		
		⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	
 <p>Outrigger + blade</p>	2,25 m	7,5 m kg	*3.350	*3.350					*5.150	*5.150				
		6,0 m kg	*3.000	*3.000			*5.000	*5.000	*5.600	*5.600				
		4,5 m kg	*2.900	*2.900	*2.900	*2.900	*6.050	5.600	*7.250	*7.250	*8.150	*8.150		
		3,0 m kg	*2.950	*2.950	*5.000	3.900	*6.550	5.400	*8.600	8.450				
		1,5 m kg	*3.100	*3.100	*5.500	3.800	*6.950	5.250	*9.550	8.100				
		0,0 m kg	*3.450	*3.450	5.250	3.750	*7.000	5.100	*9.450	7.850				
		- 1,5 m kg	*4.150	3.900			*6.400	5.050	*8.600	7.800	*9.100	*9.100		
		- 3,0 m kg	*4.150	*4.150			*4.700	*4.700	*6.700	*6.700	*8.500	*8.500		
	- 4,5 m kg													
	2,6 m	7,5 m kg	*2.750	*2.750										
		6,0 m kg	*2.550	*2.550			*4.500	*4.500						
		4,5 m kg	*2.450	*2.450	*3.600	*3.600	*5.550	*5.550	*6.050	*6.050				
		3,0 m kg	*2.550	*2.550	*4.950	3.900	*6.350	5.400	*8.250	*8.250				
		1,5 m kg	*2.700	*2.700	*5.450	3.750	*6.800	5.250	*9.300	8.100				
		0,0 m kg	*3.050	*3.050	5.250	3.700	*6.950	5.050	*9.550	7.800	*5.600	*5.600		
		- 1,5 m kg	*3.600	*3.600	*4.150	3.650	*6.500	4.950	*8.750	7.700	*8.950	*8.950		
		- 3,0 m kg	*4.250	*4.200			*5.200	5.000	*7.150	*7.150	*9.450	*9.450		
	- 4,5 m kg													
	2,9 m	7,5 m kg	*2.350	*2.350			*3.000	*3.000						
		6,0 m kg	*2.150	*2.150			*4.100	*4.100						
		4,5 m kg	*2.100	*2.100	*3.700	*3.700	*4.900	*4.900	*5.050	*5.050				
		3,0 m kg	*2.150	*2.150	*4.700	3.800	*6.100	5.400	*7.800	*7.800	*12.050	*12.050		
		1,5 m kg	*2.300	*2.300	*5.350	3.750	*6.650	5.200	*9.100	8.100				
		0,0 m kg	*2.600	*2.600	5.250	3.600	*6.850	5.000	*9.450	7.800	*5.750	*5.750		
- 1,5 m kg		*3.050	*3.050	*4.850	3.600	*6.550	4.950	*8.950	7.650	*8.500	*8.500	*5.100	*5.100	
- 3,0 m kg		*4.050	3.950			*5.500	4.950	*7.550	*7.550	*10.250	*10.250			
- 4,5 m kg	*4.150	*4.150					*4.800	*4.800						
 <p>Outrigger front + rear</p>	2,25 m	7,5 m kg	*3.350	*3.350					*5.150	*5.150				
		6,0 m kg	*3.000	*3.000			*5.000	*5.000	*5.600	*5.600				
		4,5 m kg	*2.900	*2.900	*2.900	*2.900	*6.050	*6.050	*7.250	*7.250	*8.150	*8.150		
		3,0 m kg	*2.950	*2.950	*5.000	4.800	*6.550	*6.550	*8.600	*8.600				
		1,5 m kg	*3.100	*3.100	*5.500	4.700	*6.950	6.600	*9.550	*9.550				
		0,0 m kg	*3.450	*3.450	*5.300	4.650	*7.000	6.450	*9.450	*9.450				
		- 1,5 m kg	*4.150	*4.150			*6.400	*6.400	*8.600	*8.600	*9.100	*9.100		
		- 3,0 m kg	*4.150	*4.150			*4.700	*4.700	*6.700	*6.700	*8.500	*8.500		
	- 4,5 m kg													
	2,6 m	7,5 m kg	*2.750	*2.750										
		6,0 m kg	*2.550	*2.550			*4.500	*4.500						
		4,5 m kg	*2.450	*2.450	*3.600	*3.600	*5.550	*5.550	*6.050	*6.050				
		3,0 m kg	*2.550	*2.550	*4.950	4.800	*6.350	*6.350	*8.250	*8.250				
		1,5 m kg	*2.700	*2.700	*5.450	4.700	*6.800	6.600	*9.300	*9.300				
		0,0 m kg	*3.050	*3.050	*5.350	4.600	*6.950	6.400	*9.550	*9.550	*5.600	*5.600		
		- 1,5 m kg	*3.600	*3.600	*4.150	*4.150	*6.500	6.300	*8.750	*8.750	*8.950	*8.950		
		- 3,0 m kg	*4.250	*4.250			*5.200	*5.200	*7.150	*7.150	*9.450	*9.450		
	- 4,5 m kg													
	2,9 m	7,5 m kg	*2.350	*2.350			*3.000	*3.000						
		6,0 m kg	*2.150	*2.150			*4.100	*4.100						
		4,5 m kg	*2.100	*2.100	*3.700	*3.700	*4.900	*4.900	*5.050	*5.050				
		3,0 m kg	*2.150	*2.150	*4.700	*4.700	*6.100	*6.100	*7.800	*7.800	*12.050	*12.050		
		1,5 m kg	*2.300	*2.300	*5.350	4.650	*6.650	6.550	*9.100	*9.100				
		0,0 m kg	*2.600	*2.600	*5.350	4.550	*6.850	6.350	*9.450	*9.450	*5.750	*5.750		
- 1,5 m kg		*3.050	*3.050	*4.850	4.500	*6.550	6.300	*8.950	*8.950	*8.500	*8.500	*5.100	*5.100	
- 3,0 m kg		*4.050	*4.050			*5.500	*5.500	*7.550	*7.550	*10.250	*10.250			
- 4,5 m kg	*4.150	*4.150					*4.800	*4.800						



- 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

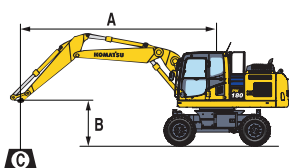
Lifting Capacity

Two-piece boom / undercarriage width 2,75 m

Arm length	A	⊗		7,5 m		6,0 m		4,5 m		3,0 m		1,5 m		
		⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	
 <p>Without stabilizer</p>	2,25 m	7,5 m kg	*3.650	*3.650					*5.450	5.350				
		6,0 m kg	*3.150	2.700			4.150	3.350		*5.400	5.300			
		4,5 m kg	2.800	2.250	2.850	2.250	4.050	3.300	6.350	5.050	*6.350	*6.350		
		3,0 m kg	2.550	2.050	2.800	2.250	3.900	3.100	6.000	4.650				
		1,5 m kg	2.400	1.950	2.700	2.150	3.650	2.900	5.600	4.350				
		0,0 m kg	2.550	1.950	2.700	2.100	3.600	2.850	5.400	4.200				
	- 1,5 m kg	2.750	2.200			3.600	2.800	5.400	4.100	*8.250	7.650			
	- 3,0 m kg													
	- 4,5 m kg													
	2,6 m	7,5 m kg	*3.000	*3.000										
		6,0 m kg	*2.700	2.450			4.200	3.350						
		4,5 m kg	*2.550	2.100	2.850	2.250	4.050	3.300	*5.400	5.100				
3,0 m kg		2.400	1.850	2.750	2.200	3.900	3.100	6.000	4.700					
1,5 m kg		2.300	1.800	2.700	2.100	3.750	2.900	5.600	4.350					
0,0 m kg		2.350	1.850	2.650	2.050	3.600	2.800	5.400	4.100					
- 1,5 m kg	2.550	2.000	2.600	2.050	3.350	2.750	5.300	4.050	*8.150	7.450				
- 3,0 m kg	3.250	2.550			3.550	2.800	5.350	4.100						
- 4,5 m kg														
2,9 m	7,5 m kg	*2.550	*2.550			*3.450	3.300							
	6,0 m kg	*2.300	2.250			4.150	3.350							
	4,5 m kg	*2.200	1.900	2.800		4.050	3.250	*4.550	*4.550					
	3,0 m kg	2.200		2.700	2.150	3.900	3.050	6.000	4.750					
	1,5 m kg	2.100	1.650	2.650	2.100	3.700		5.600						
	0,0 m kg	2.150	1.650	2.550		3.550	2.750	5.350	4.100	*4.900	*4.900			
- 1,5 m kg	2.350	1.800	2.500	1.950	3.450		5.250	4.100	*7.700	7.400				
- 3,0 m kg	2.850				3.450		5.250							
- 4,5 m kg														
 <p>Front or rear blade</p>	2,25 m	7,5 m kg	*3.650	*3.650					*5.450	*5.450				
		6,0 m kg	*3.150	3.050			*5.200	3.800	*5.400	*5.350				
		4,5 m kg	*3.000	2.550	*3.350	2.600	*5.600	3.700	*6.500	5.750	*6.350	*6.350		
		3,0 m kg	*3.000	2.350	*4.750	2.550	*5.950	3.550	*8.250	5.350				
		1,5 m kg	*3.050	2.250	*4.950	2.500	*6.400	3.400	*9.550	5.000				
		0,0 m kg	*3.350	2.300	*5.200	2.400	*7.000	3.300	*9.550	4.800				
	- 1,5 m kg	*3.850	2.550			*6.400	3.250	*8.700	4.800	*8.250	*8.250			
	- 3,0 m kg													
	- 4,5 m kg													
	2,6 m	7,5 m kg	*3.000	*3.000										
		6,0 m kg	*2.700	*2.650			*4.650	3.800						
		4,5 m kg	*2.550	2.400	*3.950	2.600	*5.400	3.750	*5.400	*5.400				
3,0 m kg		*2.550	2.150	*4.600	2.550	*5.700	3.550	*7.800	5.400					
1,5 m kg		*2.650	2.100	*4.800	2.450	*6.200	3.350	*9.300	5.000					
0,0 m kg		*2.900	2.150	*5.050	2.400	*6.750	3.250	*9.550	4.800					
- 1,5 m kg	*3.350	2.350	*4.600	2.400	*6.600	3.150	*8.950	4.700	*8.150	*8.150				
- 3,0 m kg	*4.700	3.000			*5.250	3.200	*7.300	4.800						
- 4,5 m kg														
2,9 m	7,5 m kg	*2.550	*2.550			*3.450	*3.450							
	6,0 m kg	*2.300	*2.300			*4.150	3.800							
	4,5 m kg	*2.200	2.200	*3.900	2.550	*4.700	3.700	*4.550	*4.550					
	3,0 m kg	*2.200	2.000	*4.400	2.500	*5.550	3.500	*7.550	5.400					
	1,5 m kg	*2.300	1.950	*4.650	2.400	*6.050	3.300	*8.850	5.000					
	0,0 m kg	*2.450	1.950	*4.900	2.350	*6.600	3.150	*9.550	4.750	*4.900	*4.900			
- 1,5 m kg	*2.850	2.150	*4.900	2.300	*6.650	3.150	*9.050	4.650	*7.700	*7.700				
- 3,0 m kg	*4.150	2.550			*5.550	3.150	*7.650	4.700						
- 4,5 m kg														
 <p>Rear outrigger</p>	2,25 m	7,5 m kg	*3.650	3.500					*5.450	4.950				
		6,0 m kg	*3.150	2.400			*5.200	3.000	*5.400	4.750				
		4,5 m kg	*3.000	2.150	*3.350	2.050	*5.600	3.100	*6.500	4.450	*6.350	*6.350		
		3,0 m kg	*3.000	1.950	*4.750	2.100	*5.950	2.900	*8.250	4.050				
		1,5 m kg	*3.050	1.850	*4.950	2.050	*6.400	2.700	*9.550	3.850				
		0,0 m kg	*3.350	1.900	4.950	1.950	*7.000	2.650	*9.550	3.850				
	- 1,5 m kg	*3.850	1.950			*6.400	2.650	*8.700	3.600	*8.250	6.350			
	- 3,0 m kg													
	- 4,5 m kg													
	2,6 m	7,5 m kg	*3.000	*3.000										
		6,0 m kg	*2.700	2.250			*4.650	3.150						
		4,5 m kg	*2.550	1.900	*3.950	2.050	*5.400	3.000	*5.400	4.500				
3,0 m kg		*2.550	1.650	*4.600	2.100	*5.700	2.750	*7.800	4.050					
1,5 m kg		*2.650	1.700	*4.800	2.050	*6.200	2.650	*9.300	3.900					
0,0 m kg		*2.900	1.650	*5.050	1.800	*6.750	2.550	*9.550	3.750					
- 1,5 m kg	*3.350	1.850	*4.600	1.950	*6.600	2.450	*8.950	3.700	*8.150	6.450				
- 3,0 m kg	*4.700	2.250			*5.250	2.500	*7.300	3.600						
- 4,5 m kg														
2,9 m	7,5 m kg	*2.550	*2.550			*3.450	3.100							
	6,0 m kg	*2.300	2.100			*4.150	3.000							
	4,5 m kg	*2.200	1.850	*3.900	2.100	*4.700	2.850	*4.550	*4.550					
	3,0 m kg	*2.200	1.550	*4.400	2.050	*5.550	2.750	*7.550	4.200					
	1,5 m kg	*2.300	1.600	*4.650	1.950	*6.050	2.550	*8.850	3.800					
	0,0 m kg	*2.450	1.650	*4.900	1.900	*6.600	2.550	*9.550	3.550	*4.900	*4.900			
- 1,5 m kg	*2.850	1.700	4.900	1.850	*6.650	2.450	*9.050	3.400	*7.700	6.300				
- 3,0 m kg	*4.150	2.100			*5.550	2.550	*7.650	3.500						
- 4,5 m kg														

PW180-11

Arm length	A	⊗		7,5 m		6,0 m		4,5 m		3,0 m		1,5 m		
		⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	
 <p>Outrigger + blade</p>	2,25 m	7,5 m kg	*3.650	*3.650					*5.450	*5.450				
		6,0 m kg	*3.150	*3.150			*5.200	*5.200	*5.400	*5.400				
		4,5 m kg	*3.000	*3.000	*3.350	*3.350	*5.600	*5.600	*6.500	*6.500	*6.350	*6.350		
		3,0 m kg	*3.000	*3.000	*4.750	3.900	*5.950	5.450	*8.250	*8.250				
		1,5 m kg	*3.050	*3.050	*4.950	3.850	*6.400	5.300	*9.550	8.150				
		0,0 m kg	*3.350	*3.350	*5.200	3.800	*7.000	5.150	*9.550	7.950				
	- 1,5 m kg	*3.850	*3.850			*6.400	5.100	*8.700	7.950	*8.250	*8.250			
	- 3,0 m kg													
	- 4,5 m kg													
	2,6 m	7,5 m kg	*3.000	*3.000										
		6,0 m kg	*2.700	*2.700			*4.650	*4.650						
		4,5 m kg	*2.550	*2.550	*3.950	*3.950	*5.400	*5.350	*5.400	*5.400				
3,0 m kg		*2.550	*2.550	*4.600	3.900	*5.700	5.450	*7.800	*7.800					
1,5 m kg		*2.650	*2.650	*4.800	3.800	*6.200	5.250	*9.300	8.150					
0,0 m kg		*2.900	*2.900	*5.050	3.750	*6.750	5.100	*9.550	7.950					
- 1,5 m kg	*3.350	*3.350	*4.600	3.750	*6.600	5.100	*8.950	7.800	*8.150	*8.150				
- 3,0 m kg	*4.700	*4.650			*5.250	5.100	*7.300	*7.200						
- 4,5 m kg														
2,9 m	7,5 m kg	*2.550	*2.550			*3.450	*3.450							
	6,0 m kg	*2.300	*2.300			*4.150	*4.150							
	4,5 m kg	*2.200	*2.200	*3.900	*3.900	*4.700	*4.700	*4.550	*4.550					
	3,0 m kg	*2.200	*2.200	*4.400	3.850	*5.550	5.450	*7.550	*7.550					
	1,5 m kg	*2.300	*2.300	*4.650	3.750	*6.050	5.250	*8.850	8.150					
	0,0 m kg	*2.450	*2.450	*4.900	3.700	*6.600	5.100	*9.550	7.850	*4.900	*4.900			
- 1,5 m kg	*2.850	*2.850	*4.900	3.650	*6.650	5.000	*9.050	7.800	*7.700	*7.700				
- 3,0 m kg	*4.150	4.100			*5.550	5.050	*7.650	*7.650						
- 4,5 m kg														
 <p>Outrigger front + rear</p>	2,25 m	7,5 m kg	*3.650	*3.650					*5.450	*5.450				
		6,0 m kg	*3.150	*3.150			*5.200	*5.200	*5.400	*5.400				
		4,5 m kg	*3.000	*3.000	*3.350	*3.350	*5.600	*5.600	*6.500	*6.500	*6.350	*6.350		
		3,0 m kg	*3.000	*3.000	*4.750	*4.750	*5.950	*5.950	*8.250	*8.250				
		1,5 m kg	*3.050	*3.050	*4.950	4.800	*6.400	*6.400	*9.550	*9.550				
		0,0 m kg	*3.350	*3.350	*5.200	4.700	*7.000	6.550	*9.550	*9.550				
	- 1,5 m kg	*3.850	*3.850			*6.400	*6.400	*8.700	*8.700	*8.250	*8.250			
	- 3,0 m kg													
	- 4,5 m kg													
	2,6 m	7,5 m kg	*3.000	*3.000										
		6,0 m kg	*2.700	*2.700			*4.650	*4.650						
		4,5 m kg	*2.550	*2.550	*3.950	*3.950	*5.400	*5.400	*5.400	*5.400				
3,0 m kg		*2.550	*2.550	*4.600	*4.600	*5.700	*5.700	*7.800	*7.800					
1,5 m kg		*2.650	*2.650	*4.800	4.750	*6.200	*6.200	*9.300	*9.300					
0,0 m kg		*2.900	*2.900	*5.050	4.650	*6.750	6.500	*9.550	*9.550					
- 1,5 m kg	*3.350	*3.350	*4.600	*4.600	*6.600	6.450	*8.950	*8.950	*8.150	*8.150				
- 3,0 m kg	*4.700	*4.700			*5.250	*5.250	*7.300	*7.300						
- 4,5 m kg														
2,9 m	7,5 m kg	*2.550	*2.550			*3.450	*3.450							
	6,0 m kg	*2.300	*2.300			*4.150	*4.150							
	4,5 m kg	*2.200	*2.200	*3.900	*3.900	*4.700	*4.700	*4.550	*4.550					
	3,0 m kg	*2.200	*2.200	*4.400	*4.400	*5.550	*5.550	*7.550	*7.550					
	1,5 m kg	*2.300	*2.300	*4.650	*4.650	*6.050	*6.050	*8.850	*8.850					
	0,0 m kg	*2.450	*2.450	*4.900	4.600	*6.600	6.450	*9.550	*9.550	*4.900	*4.900			
- 1,5 m kg	*2.850	*2.850	*4.900	4.600	*6.650	6.350	*9.050	*9.050	*7.700	*7.700				
- 3,0 m kg	*4.150	*4.150			*5.550	*5.550	*7.650	*7.650						
- 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 SAA6D107E-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/90 A	●
Starter motor 24 V/5,5 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 OPG)	○
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)	○
Super tone horn (no road approval)	○

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	●
2,55 m wide undercarriage	●
2,75 m wide undercarriage	○
20 or 25 km/h speed limitation	○
Transmission guard	○

WORK EQUIPMENT

Mono boom	○
Two-piece boom	○
2,25 m; 2,6 m; 2,9 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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