

KOMATSU

PW160-11

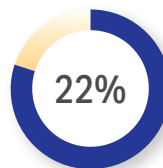


Hydraulic wheeled excavator

Engine power
110 kW / 148 HP @ 2000 rpm

Operating weight
16030 - 18415 kg

Bucket capacity
max. 1.13 m³



More powerful

Higher engine power:
+20 kW vs previous model



Save time

Higher uphill travel speed:
+30% vs previous model



Save costs

Reduced fuel consumption:
-5% vs previous model



Engine power

110 kW / 148 HP @ 2000 rpm

Operating weight

16030 - 18415 kg

Bucket capacity

max. 1.13 m³

High versatility, low fuel consumption and **safe performance in tight spaces**

Powerful and environmentally friendly

- EU Stage V engine
- Adjustable idle shutdown
- Komatsu fuel-saving technology
- Excellent travel performance
- High lifting capacity



Total versatility

- Ideal for a wide range of applications
- Additional hydraulic circuit
- Komatsu Integrated Attachment Control (KIAC) (option)
- A wide choice of options

First-class operator comfort

- Air-suspended operator seat with integrated joystick consoles
- Premium air-suspended operator seat (option)
- Boom suspension system (ECSS) (option)
- KomVision surround view system
- Widescreen monitor
- Joystick steering system (option)

State-of-the-art controls

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

Easy maintenance

- Ground level service access
- Centralised greasing system
- User-friendly location of the electric refuelling pump
- Simple access to the AdBlue® tank

Komtrax

- Komatsu Wireless Monitoring System
- 4G mobile communications
- Increased operational data and fuel savings
- Integrated communication antenna



A maintenance program
for Komatsu customers



Higher productivity

Along with its compact size, the PW160-11 features an unrivalled lifting performance. The combination of power, weight distribution, convenient dimensions and complete control makes it the top choice for heavy-duty lifting applications, simple excavating tasks in narrow alleys, and for road and sewer construction sites.

Komatsu fuel-saving technology

Fuel consumption on the PW160-11 is lower by up to 5% vs previous model. Engine management is enhanced. The variable speed matching of the engine and hydraulic pumps guarantee efficiency and precision during single and combined movements. A viscous clutch enables variable cooling fan speed to further reduce fuel consumption.

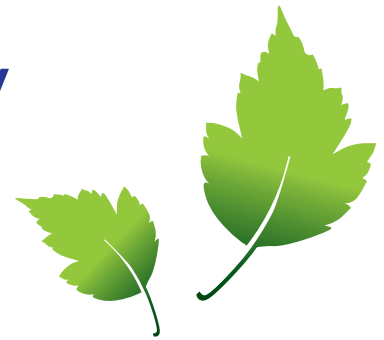
Adjustable idle shutdown

The Komatsu auto idle shutdown automatically turns off the engine after it idles for a set period of time. This feature can easily be programmed from 5 to 60 minutes, to reduce unnecessary fuel consumption and exhaust emissions, and to lower operating costs. An Eco-gauge and the Eco guidance tips on the cab monitor further encourage efficient operations.

Powerful and environmentally friendly

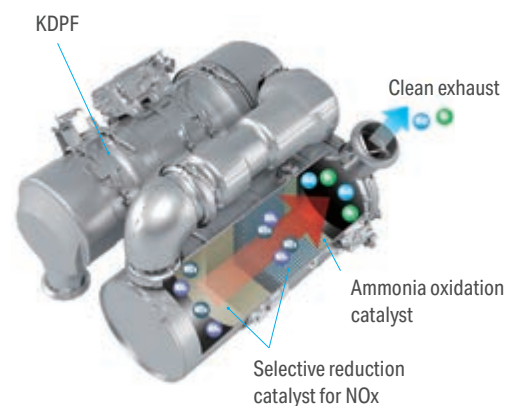
Komatsu EU Stage V

The Komatsu EU Stage V engine is productive, dependable and efficient. With ultra-low emissions, it provides a lower environmental impact and a superior performance to help reduce operating costs and lets the operator work in complete peace of mind.



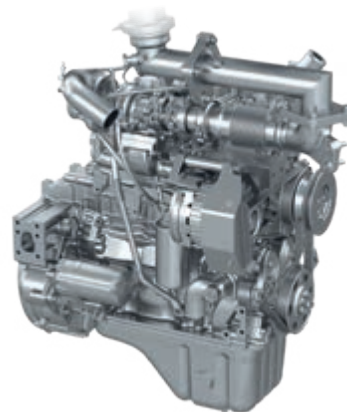
Heavy-duty aftertreatment

The aftertreatment system combines a Komatsu Diesel Particulate Filter (KDPF) and Selective Catalytic Reduction (SCR). The SCR injects the correct amount of AdBlue® into the system at the proper rate to break down NOx into water (H₂O) and non-toxic nitrogen gas (N₂).

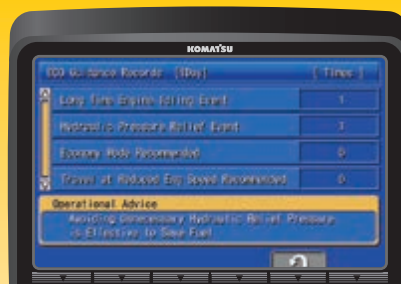


High-Pressure Common Rail (HPCR)

To achieve complete fuel burn and lower exhaust emissions, the heavy-duty High-Pressure Common Rail fuel injection system is computer controlled to deliver a precise quantity of pressurised fuel into the redesigned engine combustion chamber by multiple injections.



Eco-gauge, Eco guidance and fuel consumption gauge



ECO guidance record



Fuel consumption history

Ideal for a wide range of applications

Powerful and precise, the Komatsu PW160-11 is equipped to efficiently carry out any task your business requires. On big sites or small, for digging, trenching, landscaping or site preparation, the Komatsu original equipment hydraulic system always ensures maximum productivity and control.

Additional hydraulic circuit

To allow the use of many attachments, such as buckets, breakers or clamshell buckets, an additional hydraulic circuit controlled by a sliding joystick button is standard on the PW160-11. To further increase versatility and flexibility, a second optional auxiliary circuit and an optional hydraulic quick-coupler actuation are also available. In combination with the Komatsu Integrated Attachment Control (KIAC), changing and operating different attachments becomes child's play.



Total versatility



Total versatility



Quick-couplers

Lehnhoff quick-couplers – mechanical, hydraulic or fully hydraulic – are available for factory installation. They can turn an excavator into a multi-functional tool carrier for any type of attachment. All quick-couplers offer high functional safety thanks to their sealed locking mechanisms and hydraulics. The Lehmatic Safety Control (LSC) assistant system is integrated into the machine's monitor and gives the operator full control of the Lehnhoff quick coupler's locking status.



Automatic digging brake

This new optional digging brake automatically activates the service brake and oscillation lock when the machine stops, and it releases them when the machine accelerates again. The operator can fully focus on the job with no need to step on the brake.



Trailer hitch

For increased versatility, the PW160-11 can be equipped with either a car ball type hitch, an agricultural ball type hitch, or a truck type automatic hitch, for trailers up to 7.5 tonnes with an overrun brake. All necessary electric and hydraulic hook-ups are provided, including two auxiliary undercarriage circuits for dumping or tail-gate operation. These trailer functions can be operated from the cab joysticks.

Boom suspension system (ECSS)

An optional electrical controlled suspension system (ECSS) for the boom provides a significant increase in comfort when traveling over bumps.

Standard or wide axles

No matter the job, with a small turning radius and excellent traction the axles are built for a maximum performance. For even better stability a 2750 mm wide axle is available. If more traction is needed, an optional 35% differential lock helps to get over rough terrain. To keep the machine cleaner, robust fenders are also available as option.





Komatsu Integrated Attachment Control (KIAC)



Adjustable oil flow

Komatsu Integrated Attachment Control (KIAC) (option)

For fast and safe tool changes without leaving the cab, the settings for oil flow and pressure of up to 15 hydraulic attachments are available as presets directly on the monitor panel. Komatsu Integrated Attachment Control (KIAC) includes adjustments for the first and second (optional) hydraulic circuits. Selecting the breaker mode automatically cuts all pressure in the return line.



Increased comfort

The SpaceCab™ provides an ergonomic and quiet work environment, with an outstanding view of the jobsite. ROPS certified, it was specifically designed by Komatsu for hydraulic excavators, with a reinforced pipe-structured framework set up on viscous damper mounts for low vibration levels. The standard telescopic steering wheel is comfortably adjustable in height and reach.

Improved operator convenience

With increased in-cab storage space, an auxiliary input (MP3 jack) and 12 V and 24 V power supply, the cab offers maximum convenience. The automatic air conditioner allows the operator to easily and precisely set the cab's atmosphere.

Premium comfort seat (option)

The premium comfort seat comes with suspended joystick consoles, top quality cushioning, auto weight adjustment, pneumatic lumbar support and a climate control system for perfect seat temperature adjustment.

Low-noise design

Komatsu wheeled excavators have very low external noise levels and are especially well-suited for work in confined spaces or urban areas. The optimal usage of sound insulation and of sound absorbing materials helps to make noise levels inside the cab comparable to those of an executive car.



Premium comfort seat (option)



Exceptionally good overview of the surroundings from the cab

First-class comfort

Easy operation

The Komatsu PW160-11 features an operational concept that puts full control of the machine right at the operator's fingertips. Different camera views, undercarriage attachments and the manual axle lock can all be actuated by buttons on top of the operational levers. Without removing the hand from the joystick, the operator can switch from boom operation to undercarriage control for complete and precise control over the parallel dozer blade.

Proportional controls

The ergonomic joysticks with proportional controls were specially redesigned and developed for working with a wheeled excavator. They have horizontal sliders for the first and second (optional) hydraulic circuits and offer safe and precise operation of attachments such as ditch cleaning buckets, sorting grapples, clamshell buckets, tilt rotators and of many other hydraulic attachments that require very fine control.

6 working modes

The PW160-11 delivers the required power with the lowest fuel consumption. 6 working modes are available: Power, Lifting/Fine Operation, Breaker, Economy, Attachment Power and Attachment Economy. The operator can ideally balance the Economy mode between power and economy to match the work at hand.



Ergonomically designed switches that light up for safe and easy night operation



Ergonomic joysticks with proportional controls



Joystick steering

With the optional joystick steering the operator can precisely fingertip control the machine on any jobsite. This allows the easy combined operation of driving and working with the attachment simultaneously.



Equipped with universal piping for attachments such as breakers, the conversion to a low-pressure mode requires only a push of the breaker mode switch on the monitor.

An evolutionary interface

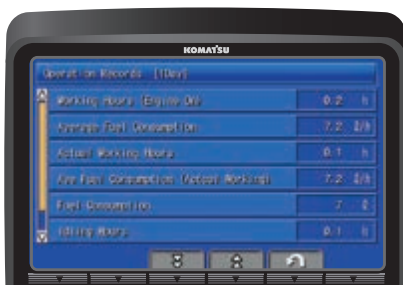
Helpful information is now easier than ever to find and understand with the upgraded monitor interface. An optimal main screen for the ongoing work can be selected simply by pressing the F6 key.

Lower operating costs

Komatsu ICT contributes to the reduction of operating costs by assisting to comfortably and efficiently manage operations. It raises the level of customer satisfaction and the competitive edge of our products.

Widescreen monitor

Installed with a choice of 26 languages, the widescreen monitor with simple switches and multifunction keys gives fingertip access to a large range of functions and operating info.



Quick view on the operation logs



With KomVision, various camera view options help to maintain a constant bird's eye view from above the machine



Operator identification function

Information & communication technology



The way to higher productivity

Komtrax uses the latest wireless monitoring technology. Compatible on PC, smartphone or tablet, it delivers insightful and cost saving information about your fleet and equipment, and offers a wealth of information to facilitate peak machine performance. By creating a tightly integrated web of support it allows proactive and preventive maintenance and helps to efficiently run a business.

Knowledge

You get quick answers to basic and critical questions about your machines – what they're doing, when they did it, where they're located, how they can be used more efficiently and when they need to be serviced. Performance data is relayed by wireless communication technology (satellite, GPRS or 4G depending on model) from the machine to a computer and to the local Komatsu distributor – who's readily available for expert analysis and feedback.

Convenience

Komtrax enables convenient fleet management on the web, wherever you are. Data is analysed and packaged specifically for effortless and intuitive viewing in maps, lists, graphs and charts. You can foresee eventual maintenance issues and required spare parts, and troubleshoot a problem before Komatsu technicians arrive on site.

Power

The detailed information that Komtrax puts at your fingertips 24 hours a day, 7 days a week gives the power to make better daily and long-term strategic decisions – at no extra cost. Problems can be anticipated, maintenance schedules customised, downtime minimised and machines kept where they belong: working on the jobsite.



Safety first



Exceptional operator protection



KomVision cameras



Handrails and anti-slip plates

Optimal jobsite safety

Safety features on the Komatsu PW160-11 comply with the latest industry standards and work in synergy to minimise risks to people in and around the machine. A neutral detection system for travel and work equipment levers increase jobsite safety, along with a seat belt caution indicator and an audible travel alarm. Highly durable anti-slip plates – with additional high friction covering – maintain long term traction performance.

KomVision

With a series of high definition networked cameras fitted on the machine, KomVision provides a crystal clear, real-time bird's eye view of the immediate surroundings on the widescreen cab monitor. The operator can quickly and easily check the machine's vicinity prior to making any movement, and focus on the work at hand even in low light conditions.

Safe maintenance

Thermal guards around high temperature areas of the engine, protected fan belt and pulleys, a pump/engine partition that prevents hydraulic oil from spraying onto the engine, and exceptionally sturdy handrails: in Komatsu tradition, the highest safety level is provided for a fast and smooth maintenance.



Easy maintenance

Simple and convenient service

The large doors and engine hood give convenient access to all daily service points. Filters are centralised and required service intervals are longer to keep machine downtime to a minimum.

Remote greasing bar

The PW160-11 features a centralised system that facilitates the regular greasing of the boom. An optional fully automatic greasing system can handle the regular and proper greasing of the complete machine – prolonging the lifetime and increasing the resale value of the excavator.

Electric refuelling pump

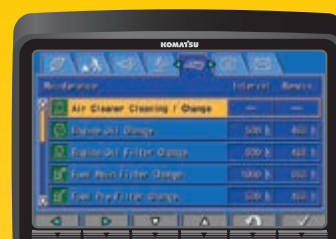
Standard equipment on all PW160-11 includes an automatic shut-off fuelling pump that allows easy refuelling from a barrel.

Easy radiator access

Thanks to a side-by-side cooler arrangement, the aftercooler and hydraulic oil radiator can be cleaned easily and repaired individually in case of damage.

Komatsu Care

Komatsu Care is a maintenance program that comes as standard with your new Komatsu machine. It covers factory-scheduled maintenance, performed with Komatsu Genuine parts by Komatsu-trained technicians. It also offers extended coverage of the Komatsu Diesel Particulate Filter (KDPF) and of the Selective Catalytic Reduction (SCR). Please contact your local Komatsu distributor for terms and conditions.



Basic maintenance screen



AdBlue® level and refill guidance



Simple access to the AdBlue® tank



Automatic greasing system (option)



Specifications

Engine

Model	Komatsu SAA4D107E-5
Type	Common rail direct injection, water-cooled, emissionised, turbocharged, after-cooled diesel
Engine power	
at rated engine speed	2000 rpm
ISO 14396	110 kW / 148 HP
ISO 9249 (net engine power)	110 kW / 148 HP
No. of cylinders	4
Bore × stroke	107 × 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
Fuel	Diesel fuel, conforming to EN590 Class 2/ Grade D. Paraffinic fuel capability (HVO, GTL, BTL), conforming to EN 15940:2016

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	294 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

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

Steering system

Steering control	Hydraulic steering system supplied from a separate gear pump and controlled through LS orbitrol & priority valves
Minimum turning radius	6790 mm (to center of outer wheel)

PW160-11E0

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

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	10900 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	57.7 l

Environment

Engine emissions	Fully complies with EU Stage V 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	16030 kg	16360 kg
Rear blade	16900 kg	17230 kg
Rear outrigger	17055 kg	17385 kg
2 outriggers + blade	17925 kg	18255 kg
4 outriggers	18080 kg	18415 kg

Operating weight, including specified work equipment, 2500 mm arm, operator, lubricant, coolant, full fuel tank, bucket (475 kg) and the standard equipment.

Max. bucket capacity and weight

Mono boom					
Arm length	2100 mm		2500 mm		3000 mm
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	2100 mm		2500 mm		3000 mm
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.

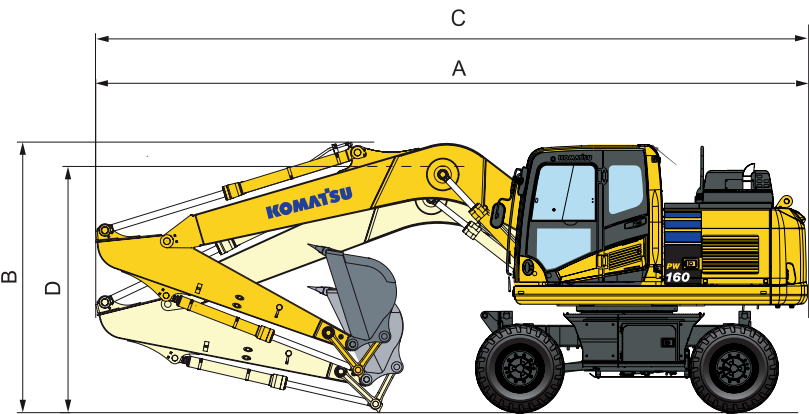
Please consult with your distributor for the correct selection of buckets and attachments to suit the application.

Bucket and arm force

Arm length	2100 mm	2500 mm	3000 mm
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 and performance figures

Mono boom



Driving position

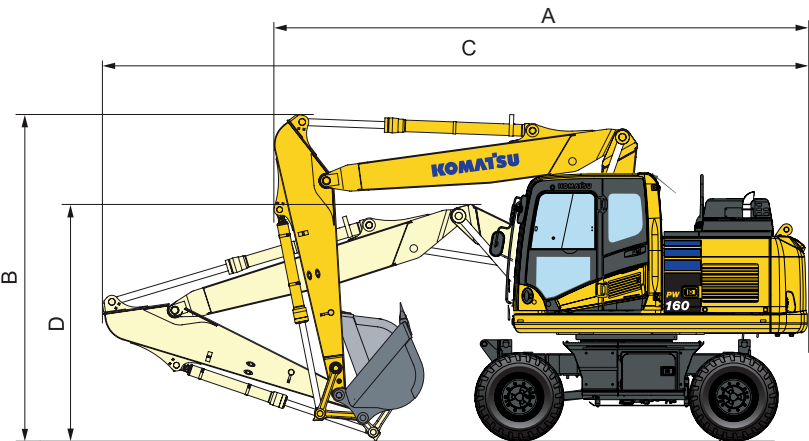
Arm length	A	B
2100 mm	8020 mm	3920 mm
2500 mm	8020 mm	3920 mm
3000 mm *	8070 mm	3920 mm

Transport position

Arm length	C	D
2100 mm	8320 mm	2810 mm
2500 mm	8345 mm	2890 mm
3000 mm	8375 mm	3110 mm

* Driving position without bucket

Two-piece boom



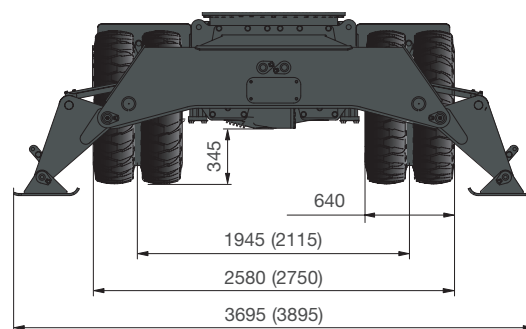
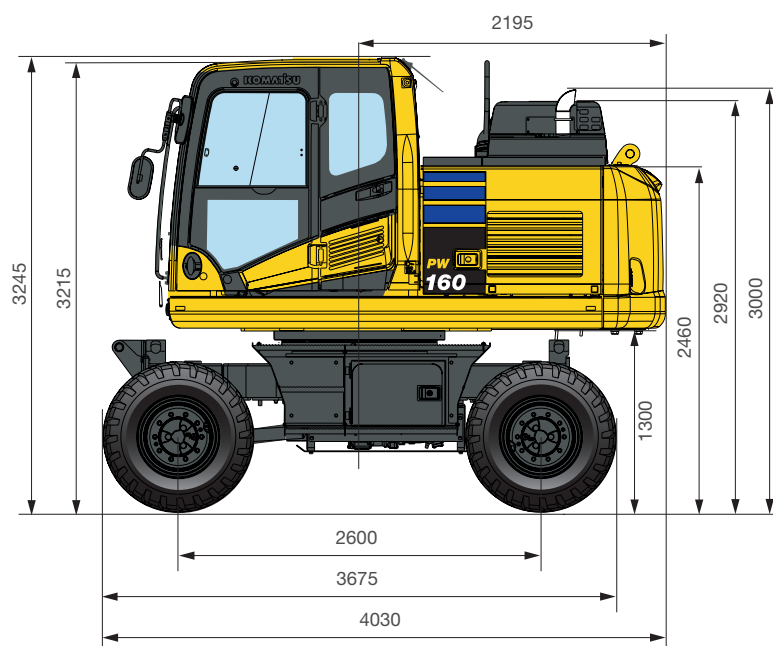
Driving position

Arm length	A	B
2100 mm	6040 mm	3965 mm
2500 mm	6085 mm	3965 mm
3000 mm *	6245 mm	3965 mm

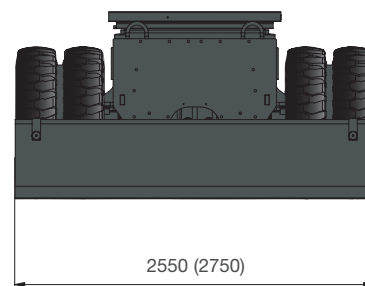
Transport position

Arm length	C	D
2100 mm	8215 mm	2745 mm
2500 mm	8240 mm	2830 mm
3000 mm	8245 mm	3020 mm

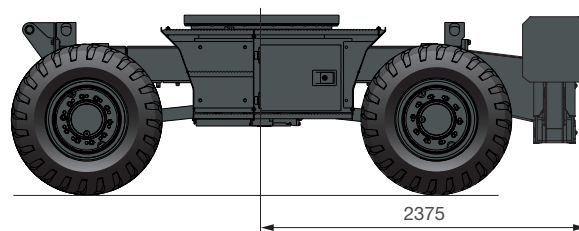
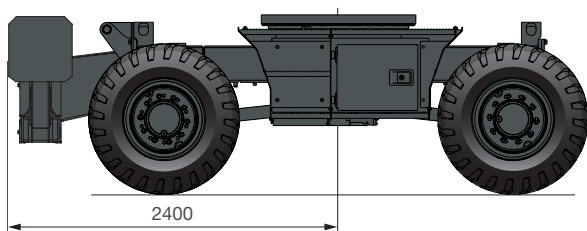
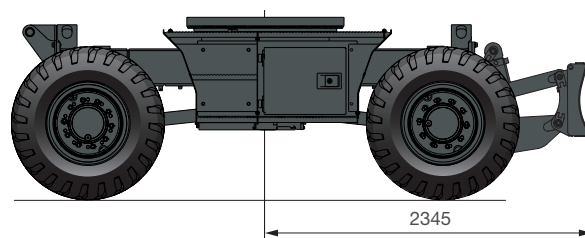
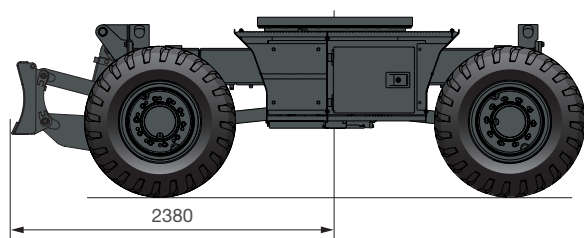
* Driving position without bucket



All dimensions with tyres Bandenmarkt Excavator 315/70 R225

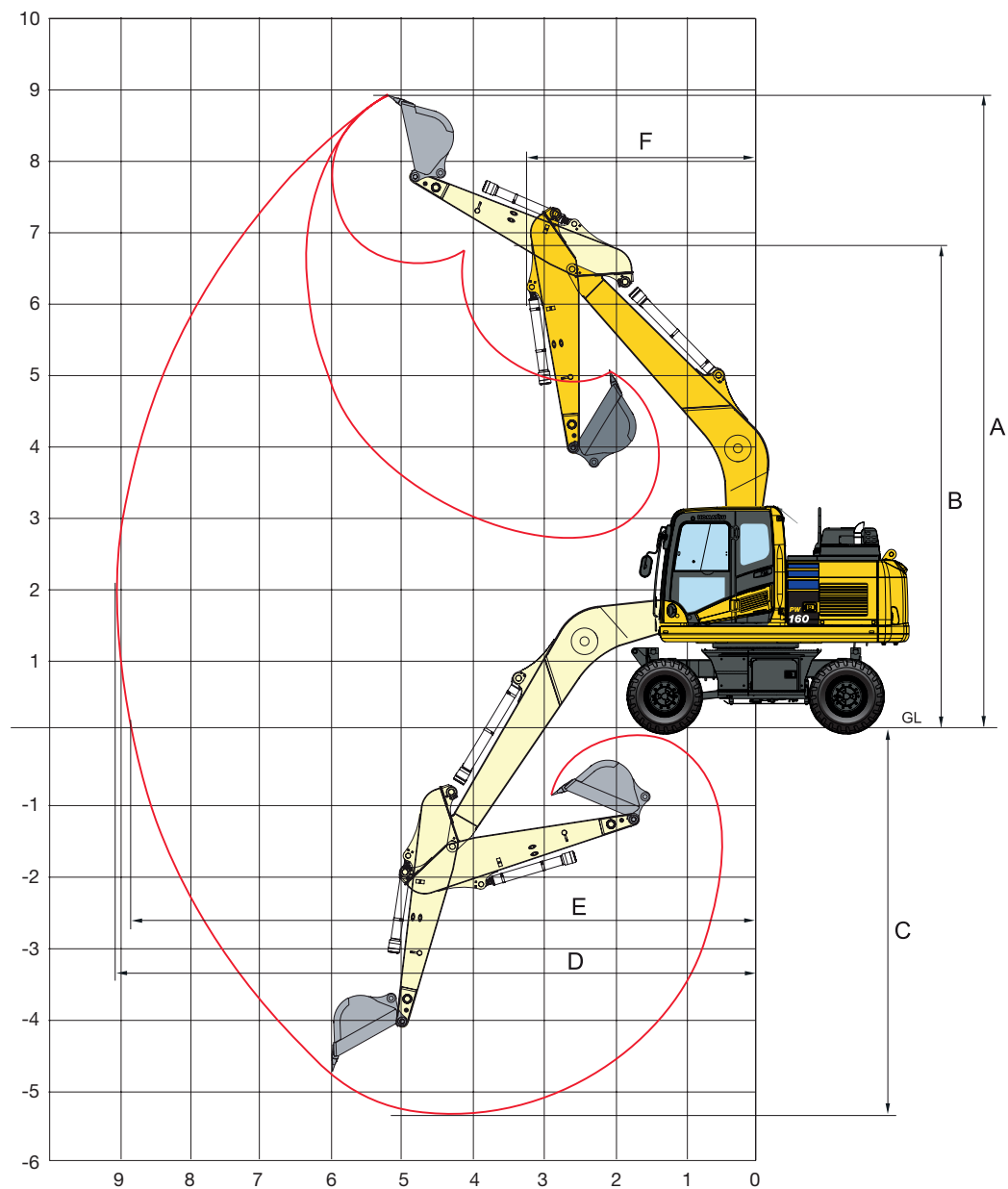


(): Figures for 2.75 m undercarriage



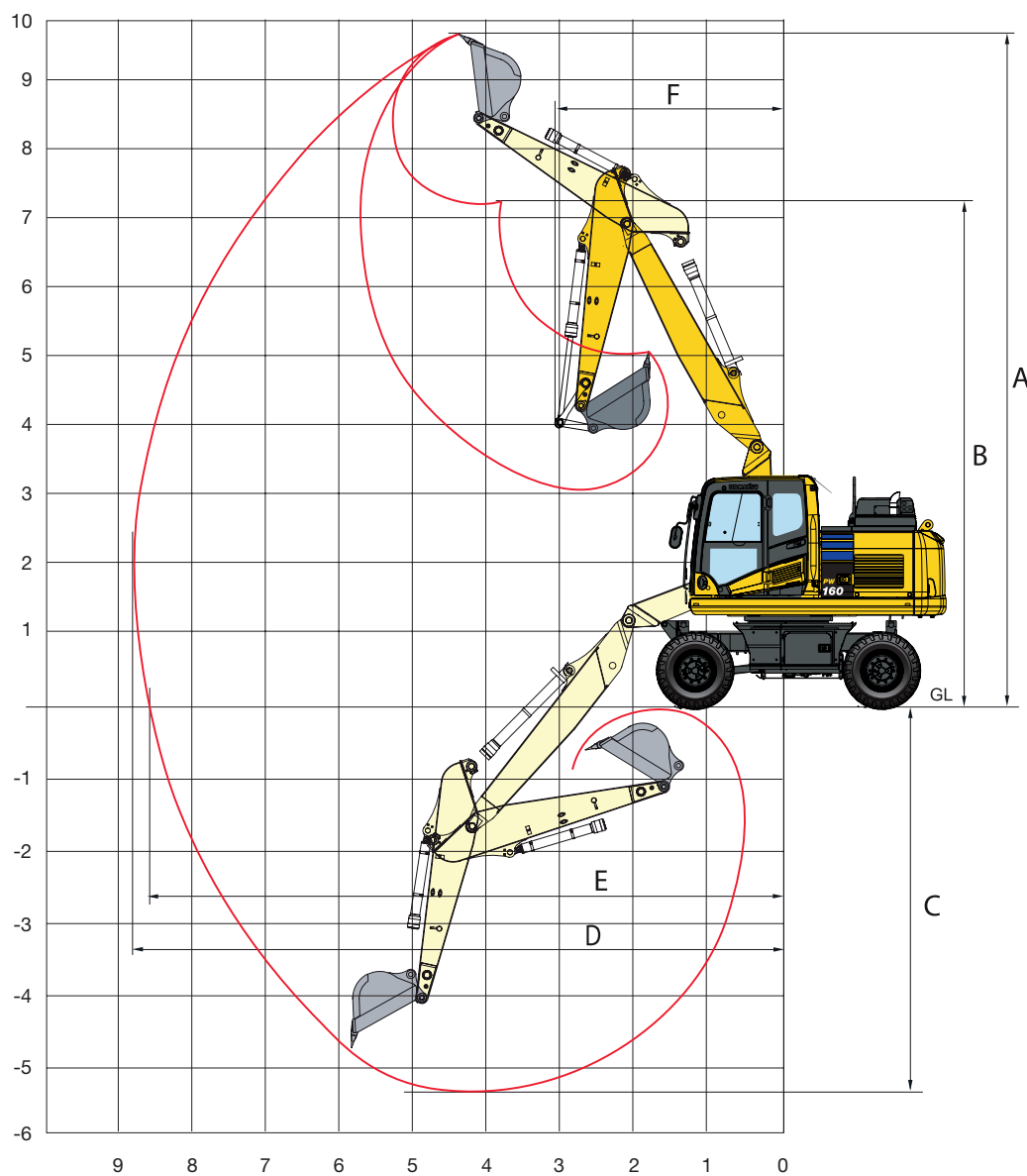
Working range

Mono boom



Arm length	2100 mm	2500 mm	3000 mm
A Max. digging height	8840 mm	9050 mm	9420 mm
B Max. dumping height	6490 mm	6705 mm	7045 mm
C Max. digging depth	4910 mm	5310 mm	5810 mm
D Max. digging reach	8620 mm	8990 mm	9485 mm
E Max. digging reach at ground level	8430 mm	8805 mm	9315 mm
F Min. swing radius	3095 mm	3060 mm	3095 mm

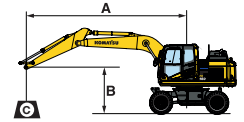
Two-piece boom



Arm length	2100 mm	2500 mm	3000 mm
A Max. digging height	9630 mm	9930 mm	10370 mm
B Max. dumping height	7150 mm	7450 mm	7895 mm
C Max. digging depth	4955 mm	5350 mm	5855 mm
D Max. digging reach	8535 mm	8905 mm	9405 mm
E Max. digging reach at ground level	8340 mm	8720 mm	9230 mm
F Min. swing radius	2330 mm	2425 mm	2655 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	
			Rating over front	Rating over side	Rating over front	Rating over side	Rating over front	Rating over side	Rating over front	Rating over side	Rating over front	Rating over side
Without stabiliser	2100 mm	7.5 m kg	*2850	*2850								
		6.0 m kg	*2500	*2500	3850	2800						
		4.5 m kg	*2400	2100	3750	2750	5850	4200				
		3.0 m kg	*2400	1850	2650	1900	3650	2650	5550	3900		
		1.5 m kg	2500	1800	2600	1850	3550	2550	5000	3650		
		0.0 m kg	2550	1850			3450	2400	5100	3500	*4300	*4300
		-1.5 m kg	2700	2050			3400	2400	5100	3450	*8350	6200
		-3.0 m kg	3550	2550					5100	3550	*6850	6300
		-4.5 m kg										
	2500 mm	7.5 m kg	*2350	*2350								
		6.0 m kg	*2050	*2050	*3700	2850						
		4.5 m kg	*2050	1950	*2350	1950	3800	2800	*5050	4250		
		3.0 m kg	*2050	1750	2650	1900	3700	2650	5600	4000		
		1.5 m kg	*2150	1650	2600	1850	3550	2550	5300	3700		
		0.0 m kg	*2350	1700	2550	1800	3450	2400	5100	3500	*4800	*4800
		-1.5 m kg	2600	1850			3400	2400	5050	3450	*7800	6150
		-3.0 m kg	3150	2250			3400	2400	5100	3450	*7900	6250
		-4.5 m kg										
	3000 mm	7.5 m kg	*1900	*1900	*2500	*2500						
		6.0 m kg	*1700	*1700	*3350	2850						
		4.5 m kg	*1700	1650	2700	1950	3800	2750				
		3.0 m kg	*1700	1500	2600	1850	3650	2600	5650	4000	*9550	7250
		1.5 m kg	*1750	1500	2550	1800	3500	2450	5300	3650		
		0.0 m kg	*1950	1500	2450	1750	3350	2350	5050	3450	*5050	*5050
		-1.5 m kg	*2250	1600	2400	1700	3300	2300	4950	3350	*7050	5950
		-3.0 m kg	2700	1900			3300	2250	4950	3300	*8950	6000
		-4.5 m kg	*2700	2600					*4050	3450	*5550	*5550
Front or rear blade	2100 mm	7.5 m kg	*2850	*2850								
		6.0 m kg	*2500	*2850	*3850	3200						
		4.5 m kg	*2400	2400	*5250	3150	*6250					
		3.0 m kg	*2400	2150	*3000	2200	*5650	3050	*7350	4800		
		1.5 m kg	*2550	2100	*3850	2150	*5950	2900	*8150	4500		
		0.0 m kg	*2850	2150	*5900	2850	*8050	4250	*4300	*4300		
		-1.5 m kg	*3400	2350	*5300	2800	*7150	4100	*8350	7350		
		-3.0 m kg	*3550	2900			*5400	4050	*6850	*6900		
		-4.5 m kg										
	2500 mm	7.5 m kg	*2350	*2350								
		6.0 m kg	*2050	*2050	*3700	3250						
		4.5 m kg	*2050	*2000	*2350	2250	*4650	3150	*5050	4850		
		3.0 m kg	*2050	2000	*3700	2200	*5450	3050	*7000	4600		
		1.5 m kg	*2150	1950	*4500	2150	*5850	2900	*8000	4300		
		0.0 m kg	*2350	1950	*4400	2100	*5950	2850	*8150	4100	*4800	*4800
		-1.5 m kg	*2800	2150			*5450	2750	*7450	4050	*7800	7300
		-3.0 m kg	*3600	2600			*4150	2800	*5950	4050	*7900	7400
		-4.5 m kg										
	3000 mm	7.5 m kg	*1900	*1900	*2500	*2500						
		6.0 m kg	*1700	*1700	*3350	3250						
		4.5 m kg	*1700	*1700	*3000	2250	*3850	3150				
		3.0 m kg	*1700	*1650	*3750	2150	*5050	3000	*6450	4600	*9550	8450
		1.5 m kg	*1750	1750	*4550	2100	*5600	2850	*7550	4250		
		0.0 m kg	*1950	1750	*4550	2050	*5800	2750	*8000	4050	*5050	*5000
		-1.5 m kg	*2250	1900	*4100	2000	*5600	2700	*7650	3900	*7050	7100
		-3.0 m kg	*2800	2250			*4650	2700	*6400	3900	*8950	7200
		-4.5 m kg	*2700	*2650					*4050	4050	*5550	*5550
Rear outrigger	2100 mm	7.5 m kg	*2850	*2850								
		6.0 m kg	*2500	*2500	*3850	*3850						
		4.5 m kg	*2400	*2400	*5250	3800	*6250	5850				
		3.0 m kg	*2400	*2400	*3000	2700	*5650	3700	*7350	5550		
		1.5 m kg	*2550	*2550	*3850	2650	*5950	3600	*8150	5250		
		0.0 m kg	*2850	2600			*5900	3450	*8050	5100	*4300	*4300
		-1.5 m kg	*3400	2900			*5300	3450	*7150	5100	*8350	*8350
		-3.0 m kg	*3550	*3550					*5400	5150	*6850	*6850
		-4.5 m kg										
	2500 mm	7.5 m kg	*2350	*2350								
		6.0 m kg	*2050	*2050	*3700	*3750						
		4.5 m kg	*2050	*2000	*2350	*2300	*4650	3850	*5050	*5000		
		3.0 m kg	*2050	*2000	*3700	2700	*5450	3750	*7000	5600		
		1.5 m kg	*2150	*2150	*4500	2650	*5850	3600	*8000	5300		
		0.0 m kg	*2350	*2350	*4400	2550	*5950	3450	*8150	5100	*4800	*4800
		-1.5 m kg	*2800	2650			*5450	3450	*7450	5050	*7800	*7800
		-3.0 m kg	*3600	3200			*4150	3450	*5950	5100	*7900	*7900
		-4.5 m kg										
	3000 mm	7.5 m kg	*1900	*1900	*2500	*2500						
		6.0 m kg	*1700	*1700	*3350	*3350						
		4.5 m kg	*1700	*1700	*3000	2700	*3850	3850				
		3.0 m kg	*1700	*1650	*3750	2650	*5050	3700	*6450	5650	*9550	*9550
		1.5 m kg	*1750	*1750	*4550	2550	*5600	3550	*7550	5300		
		0.0 m kg	*1950	*1950	*4550	2550	*5800	3400	*8000	5050	*5050	*5050
		-1.5 m kg	*2250	*2250	*4100	2500	*5600	3300	*7650	4950	*7050	*7050
		-3.0 m kg	*2800	2750			*4650	3300	*6400	4950	*8950	*8950
		-4.5 m kg	*2700	*2650					*4050	*4050	*5550	*5550



A – Reach from swing center

B – Bucket hook height

C – Lifting capacities, including bucket linkage (84 kg) and bucket cylinder (96 kg)

Rating over front

Rating over side

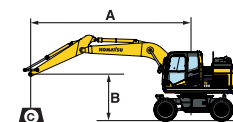
Rating at maximum reach

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 ISO standard 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

Arm length	A B			7.5 m		6.0 m		4.5 m		3.0 m		1.5 m	

 Outrigger + blade	2100 mm	7.5 m	kg	*2850	*2850								
		6.0 m	kg	*2500	*2500			*3850	*3850				
		4.5 m	kg	*2400	*2400			*5250	4750	*6250	*6250		
		3.0 m	kg	*2400	*2400	*3000	*3000	*5650	4650	*7350	7050		
		1.5 m	kg	*2550	*2550	*3850	*3850	*5950	4500	*8150	6750		
		0.0 m	kg	*2850	*2850			*5900	4400	*8050	6600	*4300	*4300
		- 1.5 m	kg	*3400	*3400			*5300	4350	*7150	6600	*8350	*8350
		- 3.0 m	kg	*3550	*3550					*5400	*5400	*6850	*6850
		- 4.5 m	kg										
	2500 mm	7.5 m	kg	*2350	*2350								
		6.0 m	kg	*2050	*2050			*3700	*3700				
		4.5 m	kg	*2050	*2050	*2350	*2350	*4650	*4650	*5050	*5050		
		3.0 m	kg	*2050	*2050	*3700	3350	*5450	4650	*7000	*7000		
		1.5 m	kg	*2150	*2150	*4500	3300	*5850	4500	*8000	6800		
		0.0 m	kg	*2350	*2350	*4400	3250	*5950	4400	*8150	6600	*4800	*4800
		- 1.5 m	kg	*2800	*2800			*5450	4350	*7450	6550	*7800	*4700
		- 3.0 m	kg	*3600	*3600			*4150	*4150	*5950	*5950	*7900	*7900
		- 4.5 m	kg										
	3000 mm	7.5 m	kg	*1900	*1900			*2500	*2500				
		6.0 m	kg	*1700	*1700			*3350	*3350				
		4.5 m	kg	*1700	*1700	*3000	*3000	*3850	*3850				
		3.0 m	kg	*1700	*1700	*3750	3300	*5050	4650	*6450	*6450	*9550	*9550
		1.5 m	kg	*1750	*1750	*4550	3250	*5600	4450	*7550	6800		
		0.0 m	kg	*1950	*1950	*4550	3150	*5800	4350	*8000	6550	*5050	*5050
		- 1.5 m	kg	*2250	*2250	*4100	3150	*5600	4250	*7650	6450	*7050	*4050
		- 3.0 m	kg	*2800	*2800			*4650	4250	*6400	*6400	*8950	*6650
		- 4.5 m	kg	*2700	*2700					*4050	*4050	*5550	*5550



A - Reach from swing center

B - Bucket hook height

C - Lifting capacities, including bucket linkage (84 kg) and bucket cylinder (96 kg)

- Rating over front

- Rating over side

- Rating at maximum reach

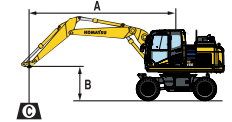
When removing linkage or cylinder, lifting capacities can be increased by their respective weights.

* Load is limited by hydraulic capacity rather than tipping. Ratings are based on ISO standard 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

 Outrigger front + rear	2100 mm	7.5 m	kg	*2850	*2850								
		6.0 m	kg	*2500	*2500			*3850	*3850				
		4.5 m	kg	*2400	*2400			*5250	*5250	*6250	*6250		
		3.0 m	kg	*2400	*2400	*3000	*3000	*5650	*5650	*7350	*7350		
		1.5 m	kg	*2550	*2550	*3850	*3850	*5950	5550	*8150	*8150		
		0.0 m	kg	*2850	*2850			*5900	5450	*8050	*8050	*4300	*4300
		- 1.5 m	kg	*3400	*3400			*5300	*5300	*7150	*7150	*8350	*8350
		- 3.0 m	kg	*3550	*3550					*5400	*5400	*6850	*6850
		- 4.5 m	kg										
	2500 mm	7.5 m	kg	*2350	*2350								
		6.0 m	kg	*2050	*2050			*3700	*3700				
		4.5 m	kg	*2050	*2050	*2350	*2350	*4650	*4650	*5050	*5050		
		3.0 m	kg	*2050	*2050	*3700	*3700	*5450	*5450	*7000	*7000		
		1.5 m	kg	*2150	*2150	*4500	4050	*5850	5550	*8000	*8000		
		0.0 m	kg	*2350	*2350	*4400	3950	*5950	5450	*8150	*8150	*4800	*4800
		- 1.5 m	kg	*2800	*2800			*5450	5400	*7450	*7450	*7800	*4700
		- 3.0 m	kg	*3600	*3600			*4150	*4150	*5950	*5950	*7900	*7900
		- 4.5 m	kg										
	3000 mm	7.5 m	kg	*1900	*1900			*2500	*2500				
		6.0 m	kg	*1700	*1700			*3350	*3350				
		4.5 m	kg	*1700	*1700	*3000	*3000	*3850	*3850				
		3.0 m	kg	*1700	*1700	*3750	*3750	*5050	*5050	*6450	*6450	*9550	*9550
		1.5 m	kg	*1750	*1750	*4550	4000	*5600	5550	*7550	*7550		
		0.0 m	kg	*1950	*1950	*4550	3900	*5800	5400	*8000	*8000	*5050	*5050
		- 1.5 m	kg	*2250	*2250	*4100	3900	*5600	5300	*7650	*7650	*7050	*4050
		- 3.0 m	kg	*2800	*2800			*4650	*4650	*6400	*6400	*8950	*6650
		- 4.5 m	kg	*2700	*2700					*4050	*4050	*5550	*5550

Lifting capacity / two-piece 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	
			Rating over front	Rating over side	Rating over front	Rating over side	Rating over front	Rating over side	Rating over front	Rating over side	Rating over front	Rating over side
 Without stabiliser	2100 mm	7.5 m kg	*3200	*3200			*4250	*4250				
		6.0 m kg	*2700	2550		3800	2800	*4850	4350			
		4.5 m kg	*2600	2100		3750	2750	*5850	4200	*5850	*5850	
		3.0 m kg	*2600	1900		3650	2600	5550	3900			
		1.5 m kg	2550	1800	2600	1850	3550	2550	5250	3600		
		0.0 m kg	2600	1850		3450	2400	5100	3500	*4300	*4300	
		-1.5 m kg	2900	2100		3450	2400	5100	3450	*8400	6200	
		-3.0 m kg	4150	2900				5150	3550			
		-4.5 m kg										
	2500 mm	7.5 m kg	*2600	*2600			*4000	*4250				
		6.0 m kg	*2300	*2300		*3750	2800	*4050	4350			
		4.5 m kg	*2150	1950		3800	2750	*4700	4200	*5850		
		3.0 m kg	*2150	1750	2650	3700	2600	5650	3900			
		1.5 m kg	*2300	1650	2600	1850	3550	2550	5350	3600		
		0.0 m kg	2250	1700	2550	3450	2400	5100	3500	*4750	*4300	
		-1.5 m kg	2650	1900		3400	2400	5050	3450	*7900	6200	
		-3.0 m kg	3300	2300		3450		5100	3550			
		-4.5 m kg										
	3000 mm	7.5 m kg	*2100	*2100		*2500	*2500					
		6.0 m kg	*1900	*1900		*3350	2850					
		4.5 m kg	*1800	1700	2550	1950	*3750	2750	*3600	*3600		
		3.0 m kg	*1800	1550	2500	1850	3700	2600	5750	4050	*9200	7350
		1.5 m kg	*1850	1500	2550	1800	3550	2450	5400	3700		
		0.0 m kg	*2050	1500	2350	1750	3400	2350	5100	3450	*5000	*5000
		-1.5 m kg	*2350	1650	2450	1700	3300	2250	4950	3300	*7100	5950
		-3.0 m kg	2800	1950			3300	2300	5000	3300	9650	6000
		-4.5 m kg										
		-4.5 m kg										
 Front or rear blade	2100 mm	7.5 m kg	*3200	*3200			*4250					
		6.0 m kg	*2700	*2700		*3800	3300	*4850	*4900			
		4.5 m kg	*2600	2400		*5200	3150	*5850	4800	*5850	*5850	
		3.0 m kg	*2600	2200		*5900	3000	*7550	4500			
		1.5 m kg	*2700	2100	*3450	2150	*6400	2900	*8700	4250		
		0.0 m kg	*3000	2150		*6550	2850	*8950	4100	*4300	*4300	
		-1.5 m kg	*3550	2400		*6100	2800	*8400	4050	*8400	7350	
		-3.0 m kg	*5650	3400				*6750	4150			
		-4.5 m kg										
	2500 mm	7.5 m kg	*2600	*2600			*4000	*4000				
		6.0 m kg	*2300	*2300		*3750	3250	*4050	*4050			
		4.5 m kg	*2150	*2150		*4500	3150	*4700	*4700			
		3.0 m kg	*2150	2050	*3650	2200	*5650	3050	*7050	4600		
		1.5 m kg	*2300	1950	*4400	2150	*6200	2900	*8350	4300		
		0.0 m kg	*2500	2000	*4100	2100	*6500	2850	*8950	4100	*4750	*4750
		-1.5 m kg	*2950	2200			*6300	2750	*8600	4050	*7900	7300
		-3.0 m kg	*4350	2700			*5050	2800	*7300	4050		
		-4.5 m kg										
	3000 mm	7.5 m kg	*2100	*2100		*2500	*2500					
		6.0 m kg	*1900	*1900		*3350	3250					
		4.5 m kg	*1800	*1800	*3000	2250	*3750	3150	*3600	*3600		
		3.0 m kg	*1800	*1800	*3700	2150	*4750	3000	*5850	4650	*9200	8600
		1.5 m kg	*1850	1750	*4400	2100	*5900	2850	*7900	4300		
		0.0 m kg	*2050	1800	*4900	2050	*6350	2750	*8700	4050	*5000	*5000
		-1.5 m kg	*2350	1950	*3900	2000	*6350	2700	*8700	3900	*7100	7100
		-3.0 m kg	*2950	2250			*5600	2700	*7800	3900	*11050	7200
		-4.5 m kg										
		-4.5 m kg										
 Rear outrigger	2100 mm	7.5 m kg	*3200	*3200			*4250	*4250				
		6.0 m kg	*2700	*2700		*3800	*3800	*4850	*4850			
		4.5 m kg	*2600	*2600		*5200	3800	*5850	*5850	*5850	*5850	
		3.0 m kg	*2600	*2600		*5900	3700	*7550	5550			
		1.5 m kg	*2700	2550	*3450	2650	*6400	3600	*8700	5300		
		0.0 m kg	*3000	2650		*6550	3450	*8950	5100	*4300	*4300	
		-1.5 m kg	*3550	2950		*6100	3450	*8400	5100	*8400	*8400	
		-3.0 m kg	*5650	4200				*6750	5150			
		-4.5 m kg										
	2500 mm	7.5 m kg	*2600	*2600			*4000	*4000				
		6.0 m kg	*2300	*2300		*3750	*3750	*4050	*4050			
		4.5 m kg	*2150	*2150		*4500	3850	*4700	*4700			
		3.0 m kg	*2150	*2150	*3650	2700	*5650	3750	*7050	5650		
		1.5 m kg	*2300	*2300	*4400	2650	*6200	3600	*8350	5350		
		0.0 m kg	*2500	2450	*4100	2550	*6500	3450	*8950	5100	*4750	*4750
		-1.5 m kg	*2950	2700			*6300	3450	*8600	5050	*7900	*7900
		-3.0 m kg	*4350	3300			*5050	3450	*7300	5100		
		-4.5 m kg										
	3000 mm	7.5 m kg	*2100	*2100		*2500	*2500					
		6.0 m kg	*1900	*1900		*3350	*3350					
		4.5 m kg	*1800	*1800	*3000	2700	*3750	*3750	*3600	*3600		
		3.0 m kg	*1800	*1800	*3700	2650	*4750	3700	*5850	5700	*9300	*9300
		1.5 m kg	*1850	*1850	*4400	2550	*5900	3550	*7900	5300		
		0.0 m kg	*2050	*2000	4650	2550	*6350	3400	*8700	5050	*5000	*5000
		-1.5 m kg	*2350	*2300	*3900	2500	*6350	3300	*8700	4950	*7100	*7100
		-3.0 m kg	*2950	2800			*5600	3350	*7800	4950	*11050	9350
		-4.5 m kg										
		-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)

Rating over front

Rating over side

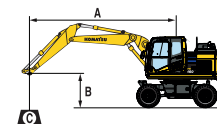
Rating at maximum reach

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 ISO standard 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

Arm length	A	B			7.5 m		6.0 m		4.5 m		3.0 m		1.5 m	

 Outrigger + blade	2100 mm	7.5 m	kg	*3200	*3200					*4250	*4250			
		6.0 m	kg	*2700	*2700			*3800	*3800	*4850	*4850			
		4.5 m	kg	*2600	*2600			*5200	4750	*5850	*5850	*5850	*5850	
		3.0 m	kg	*2600	*2600			*5900	4650	*7550	7100			
		1.5 m	kg	*2700	*2700	*3450	3300	*6400	4500	*8700	6800			
		0.0 m	kg	*3000	*3000			*6550	4400	*8950	6600	*4300	*4300	
		- 1.5 m	kg	*3550	*3550			*6100	4350	*8400	6600	*8400	*8400	
		- 3.0 m	kg	*5650	5300					*6750	6650			
		- 4.5 m	kg											
	2500 mm	7.5 m	kg	*2600	*2600					*4000	*4000			
		6.0 m	kg	*2300	*2300			*3750	*3750	*4050	*4050			
		4.5 m	kg	*2150	*2150			*4500	*4500	*4700	*4700			
		3.0 m	kg	*2150	*2150	*3650	3350	*5650	4650	*7050	*7050			
		1.5 m	kg	*2300	*2300	*4400	3300	*6200	4500	*8350	6850			
		0.0 m	kg	*2500	*2500	*4100	3250	*6500	4400	*8950	6600	*4750	*4750	
		- 1.5 m	kg	*2950	*2950			*6300	4350	*8600	6600	*7900	*7900	
		- 3.0 m	kg	*4350	4200			*5050	4350	*7300	6600			
		- 4.5 m	kg											
	3000 mm	7.5 m	kg	*2100	*2100			*2500	*2500					
		6.0 m	kg	*1900	*1900			*3350	*3350					
		4.5 m	kg	*1800	*1800	*3000	*3000	*3750	*3750	*3600	*3600			
		3.0 m	kg	*1800	*1800	*3700	3300	*4750	4650	*5850	*5850	*9200	*9200	
		1.5 m	kg	*1850	*1850	*4400	3250	*5900	4500	*7900	6850			
		0.0 m	kg	*2050	*2050	*4900	3150	*6350	4350	*8700	6550	*5000	*5000	
		- 1.5 m	kg	*2350	*2350	*3900	3150	*6350	4250	*8700	6450	*7100	*7100	*3900
		- 3.0 m	kg	*2950	*2950			*5600	4250	*7800	6450	*11050	*11050	
		- 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)

- Rating over front

- Rating over side

- Rating at maximum reach

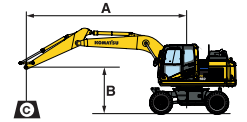
When removing linkage or cylinder, lifting capacities can be increased by their respective weights.

* Load is limited by hydraulic capacity rather than tipping. Ratings are based on ISO standard 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

 Outrigger front + rear	2100 mm	7.5 m	kg	*3200	*3200					*4250	*4250			
		6.0 m	kg	*2700	*2700			*3800	*3800	*4850	*4850			
		4.5 m	kg	*2600	*2600			*5200	*5200	*5850	*5850	*5850	*5850	
		3.0 m	kg	*2600	*2600			*5900	5700	*7550	*7550			
		1.5 m	kg	*2700	*2700	*3450	*3450	*6400	5550	*8700	8700			
		0.0 m	kg	*3000	*3000			*6550	5500	*8950	8550	*4300	*4300	
		- 1.5 m	kg	*3550	*3550			*6100	5450	*8400	*8400	*8400	*8400	
		- 3.0 m	kg	*5650	*5650					*6750	*6750			
		- 4.5 m	kg											
	2500 mm	7.5 m	kg	*2600	*2600					*4000	*4000			
		6.0 m	kg	*2300	*2300			*3750	*3750	*4050	*4050			
		4.5 m	kg	*2150	*2150			*4500	*4500	*4700	*4700			
		3.0 m	kg	*2150	*2150	*3650	*3650	*5650	*5650	*7050	*7050			
		1.5 m	kg	*2300	*2300	*4400	4050	*6200	5600	*8350	*8350			
		0.0 m	kg	*2500	*2500	*4100	4000	*6500	5450	*8950	8550	*4750	*4750	
		- 1.5 m	kg	*2950	*2950			*6300	5400	*8600	8450	*7900	*7900	
		- 3.0 m	kg	*4350	*4350			*5050	*5050	*7300	*7300			
		- 4.5 m	kg											
	3000 mm	7.5 m	kg	*2100	*2100			*2500	*2500					
		6.0 m	kg	*1900	*1900			*3350	*3350					
		4.5 m	kg	*1800	*1800	*3000	*3000	*3750	*3750	*3600	*3600			
		3.0 m	kg	*1800	*1800	*3700	*3700	*4750	*4750	*5850	*5850	*9200	*9200	
		1.5 m	kg	*1850	*1850	*4400	4000	*5900	5550	*7900	*7900			
		0.0 m	kg	*2050	*2050	*4900	3900	*6350	5400	*8700	8450	*5000	*5000	
		- 1.5 m	kg	*2350	*2350	*3900	3900	*6350	5350	*8700	8300	*7100	*7100	*3900
		- 3.0 m	kg	*2950	*2950			*5600	5350	*7800	*7800	*11050	*11050	
		- 4.5 m	kg											

Lifting capacity / mono boom / undercarriage width 2.75 m

Arm length	A B	⊗		7.5 m		6.0 m		4.5 m		3.0 m		1.5 m	
		⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
 Without stabiliser	2100 mm	7.5 m	kg	*2850	*2850								
		6.0 m	kg	*2450	*2450								
		4.5 m	kg	*2350	2250		3850	3000	6000	4600			
		3.0 m	kg	*2350	2000	2650	2050	3700	2850	5650	4300		
		1.5 m	kg	*2500	1950	2600	2000	3600	2750	5350	4050		
		0.0 m	kg	2600	2000		3450	2650	5150	3900	*4250	*4250	
		-1.5 m	kg	2850	2200		3450	2600	5100	3850	*8250	7000	
		-3.0 m	kg	*3450	2700				5200	3900	*6750	*6750	
		-4.5 m	kg										
	2500 mm	7.5 m	kg	*2300	*2300								
		6.0 m	kg	*2050	*2050		*3700	3100					
		4.5 m	kg	*2000	*2000	*2300	2100	3850	3000				
		3.0 m	kg	*2000	1900	2700	2100	3750	2900	5700	4350		
		1.5 m	kg	*2100	1800	2600	2000	3600	2750	5400	4050		
		0.0 m	kg	*2300	1850	2550	1950	3450	2650	5150	3850	*4750	*4750
		-1.5 m	kg	2650	2000			3400	2600	5100	3800	*7800	6900
		-3.0 m	kg	3150	2400			3450	2600	5100	3850	*7800	7000
		-4.5 m	kg										
	3000 mm	7.5 m	kg	*1900	*1900			*2450	*2450				
		6.0 m	kg	*1700	*1700			*3300	3100				
		4.5 m	kg	*1650	*1650	2700	2100	*3850	3000				
		3.0 m	kg	*1650	*1650	2650	2050	3750	2850	5750	4400	*9450	8150
		1.5 m	kg	*1700	1600	2550	1950	3550	2700	5400	4050		
		0.0 m	kg	*1900	1650	2500	1900	3400	2550	5100	3800	*5000	*5000
		-1.5 m	kg	*2200	1750	2450	1850	3300	2500	5000	3700	*7050	6700
		-3.0 m	kg	2700	2100			3300	2500	5000	3700	*8850	6750
		-4.5 m	kg	*2600	*2600					*4000	3800	*5400	*5400
 Front or rear blade	2100 mm	7.5 m	kg	*2850	*2850								
		6.0 m	kg	*2450	*2450			*3800	3550				
		4.5 m	kg	*2350	*2350			*5200	3450	*6200	5350		
		3.0 m	kg	*2350	*2350	*2950	2400	*5550	3350	*7250	5050		
		1.5 m	kg	*2500	2300	*3800	2400	*5850	3200	*8000	4750		
		0.0 m	kg	*2800	2350			*5800	3150	*8000	4600	*4250	*4250
		-1.5 m	kg	*3350	2600			*5200	3100	*7050	4550	*8250	*8250
		-3.0 m	kg	*3450	3200					*5300	4650	*6750	*6750
		-4.5 m	kg										
	2500 mm	7.5 m	kg	*2300	*2300								
		6.0 m	kg	*2050	*2050			*3700	3600				
		4.5 m	kg	*2000	*2000	*2300	*2300	*4600	3500				
		3.0 m	kg	*2000	*2000	*3700	2400	*5350	3350	*6900	5100		
		1.5 m	kg	*2100	*2100	*4500	2350	*5750	3250	*7800	4800		
		0.0 m	kg	*2300	2200	*4350	2300	*5850	3150	*8000	4600	*4750	*4750
		-1.5 m	kg	*2750	2400			*5350	3050	*7350	4500	*7800	*7800
		-3.0 m	kg	*3500	2850			*4050	3100	*5850	4550	*7800	*7800
		-4.5 m	kg										
	3000 mm	7.5 m	kg	*1900	*1900			*2450	*2450				
		6.0 m	kg	*1700	*1700			*3300	*3300				
		4.5 m	kg	*1650	*1650	*3000	2450	*3850	3500				
		3.0 m	kg	*1650	*1650	*3700	2400	*5050	3350	*6350	5150	*9450	*9450
		1.5 m	kg	*1700	*1700	*4450	2300	*5550	3200	*7450	4800		
		0.0 m	kg	*1900	*1900	*4450	2250	*5750	3050	*7900	4500	*5000	*5000
		-1.5 m	kg	*2200	2100	*4000	2250	*5500	3000	*7550	4400	*7050	*7050
		-3.0 m	kg	*2800	2450			*4600	3000	*6350	4400	*8850	8300
		-4.5 m	kg	*2600	*2600					*4000	*4000	*5400	*5400
 Rear outrigger	2100 mm	7.5 m	kg	*2850	*2850								
		6.0 m	kg	*2450	*2450			*3800	*3800				
		4.5 m	kg	*2350	*2350			*5200	4250	*6200	*6200		
		3.0 m	kg	*2350	*2350	*2950	*2950	*5550	4100	*7250	6300		
		1.5 m	kg	*2500	*2500	*3800	2900	*5850	3950	*8000	6000		
		0.0 m	kg	*2800	*2800			*5800	3900	*8000	5800	*4250	*4250
		-1.5 m	kg	*3350	3200			*5200	3850	*7050	5750	*8250	*8250
		-3.0 m	kg	*3450	*3450					*5300	*5300	*6750	*6750
		-4.5 m	kg										
	2500 mm	7.5 m	kg	*2300	*2300								
		6.0 m	kg	*2050	*2050			*3700	*3700				
		4.5 m	kg	*2000	*2000	*2300	*2300	*4600	4250				
		3.0 m	kg	*2000	*2000	*3700	3000	*5350	4150	*6900	6350		
		1.5 m	kg	*2100	*2100	*4500	2900	*5750	3950	*7800	6000		
		0.0 m	kg	*2300	*2300	*4350	2850	*5850	3850	*8000	5800	*4750	*4750
		-1.5 m	kg	*2750	*2750			*5350	3800	*7350	5700	*7800	*7800
		-3.0 m	kg	*3500	*3500			*4050	3850	*5850	5750	*7800	*7800
		-4.5 m	kg										
	3000 mm	7.5 m	kg	*1900	*1900			*2450	*2450				
		6.0 m	kg	*1700	*1700			*3300	*3300				
		4.5 m	kg	*1650	*1650	*3000	*3000	*3850	*3850				
		3.0 m	kg	*1650	*1650	*3700	2950	*5050	4100	*6350	*6350	*9450	*9450
		1.5 m	kg	*1700	*1700	*4450	2850	*5550	3950	*7450	6000		
		0.0 m	kg	*1900	*1900	*4450	2800	*5750	3800	*7900	5700	*5000	*5000
		-1.5 m	kg	*2200	*2200	*4000	2750	*5500	3750	*7550	5600	*7050	*7050
		-3.0 m	kg	*2800	*2800			*4600	3750	*6350	5600	*8850	*8850
		-4.5 m	kg	*2600	*2600					*4000	*4000	*5400	*5400



A – Reach from swing center

B – Bucket hook height

C – Lifting capacities, including bucket linkage (84 kg) and bucket cylinder (96 kg)

⊗ – Rating over front

⊗ – Rating over side

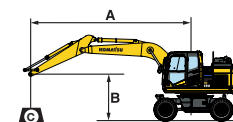
⊗ – Rating at maximum reach

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 ISO standard 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

Arm length	A B			7.5 m		6.0 m		4.5 m		3.0 m		1.5 m	

 Outrigger + blade	2100 mm	7.5 m	kg	*2850	*2850								
		6.0 m	kg	*2450	*2450			*3800	*3800				
		4.5 m	kg	*2350	*2350			*5200	*5200	*6200	*6200		
		3.0 m	kg	*2350	*2350	*2950	*2950	*5550	5100	*7250	*7250		
		1.5 m	kg	*2500	*2500	*3800	3600	*5850	4950	*8000	7650		
		0.0 m	kg	*2800	*2800			*5800	4850	*8000	7450	*4250	*4250
		-1.5 m	kg	*3350	*3350			*5200	4800	*7050	*7050	*8250	*8250
		-3.0 m	kg	*3450	*3450					*5300	*5300	*6750	*6750
		-4.5 m	kg										
	2500 mm	7.5 m	kg	*2300	*2300								
		6.0 m	kg	*2050	*2050			*3700	*3700				
		4.5 m	kg	*2000	*2000	*2300	*2300	*4600	*4600				
		3.0 m	kg	*2000	*2000	*3700	3650	*5350	5100	*6900	*6900		
		1.5 m	kg	*2100	*2100	*4500	3600	*5750	4950	*7800	7700		
		0.0 m	kg	*2300	*2300	*4350	3550	*5850	4850	*8000	7450	*4750	*4750
		-1.5 m	kg	*2750	*2750			*5350	4800	*7350	7350	*7800	*4650
		-3.0 m	kg	*3500	*3500			*4050	*4050	*5850	*5850	*7800	*7800
		-4.5 m	kg										
	3000 mm	7.5 m	kg	*1900	*1900			*2450	*2450				
		6.0 m	kg	*1700	*1700			*3300	*3300				
		4.5 m	kg	*1650	*1650	*3000	*3000	*3850	*3850				
		3.0 m	kg	*1650	*1650	*3700	3650	*5050	*5050	*6350	*6350	*9450	*9450
		1.5 m	kg	*1700	*1700	*4450	3600	*5550	4950	*7450	*7450		
		0.0 m	kg	*1900	*1900	*4450	3500	*5750	4800	*7900	7350	*5000	*5000
		-1.5 m	kg	*2200	*2200	*4000	3450	*5500	4700	*7550	7250	*7050	*4050
		-3.0 m	kg	*2800	*2800			*4600	*4600	*6350	*6350	*8850	*6650
		-4.5 m	kg	*2600	*2600					*4000	*4000	*5400	*5400



A - Reach from swing center

B - Bucket hook height

C - Lifting capacities, including bucket linkage (84 kg) and bucket cylinder (96 kg)

- Rating over front

- Rating over side

- Rating at maximum reach

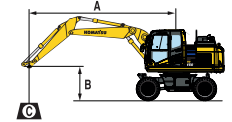
When removing linkage or cylinder, lifting capacities can be increased by their respective weights.

* Load is limited by hydraulic capacity rather than tipping. Ratings are based on ISO standard 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

 Outrigger front + rear	2100 mm	7.5 m	kg	*2850	*2850								
		6.0 m	kg	*2450	*2450			*3800	*3800				
		4.5 m	kg	*2350	*2350			*5200	*5200	*6200	*6200		
		3.0 m	kg	*2350	*2350	*2950	*2950	*5550	*5550	*7250	*7250		
		1.5 m	kg	*2500	*2500	*3800	*3800	*5850	*5850	*8000	*8000		
		0.0 m	kg	*2800	*2800			*5800	*5800	*8000	*8000	*4250	*4250
		-1.5 m	kg	*3350	*3350			*5200	*5200	*7050	*7050	*8250	*8250
		-3.0 m	kg	*3450	*3450					*5300	*5300	*6750	*6750
		-4.5 m	kg										
	2500 mm	7.5 m	kg	*2300	*2300								
		6.0 m	kg	*2050	*2050			*3700	*3700				
		4.5 m	kg	*2000	*2000	*2300	*2300	*4600	*4600				
		3.0 m	kg	*2000	*2000	*3700	*3700	*5350	*5350	*6900	*6900		
		1.5 m	kg	*2100	*2100	*4500	4350	*5750	*5750	*7800	*7800		
		0.0 m	kg	*2300	*2300	*4350	4300	*5850	*5850	*8000	*8000	*4750	*4750
		-1.5 m	kg	*2750	*2750			*5350	*5350	*7350	*7350	*7800	*4650
		-3.0 m	kg	*3500	*3500			*4050	*4050	*5850	*5850	*7800	*7800
		-4.5 m	kg										
	3000 mm	7.5 m	kg	*1900	*1900			*2450	*2450				
		6.0 m	kg	*1700	*1700			*3300	*3300				
		4.5 m	kg	*1650	*1650	*3000	*3000	*3850	*3850				
		3.0 m	kg	*1650	*1650	*3700	*3700	*5050	*5050	*6350	*6350	*9450	*9450
		1.5 m	kg	*1700	*1700	*4450	4300	*5550	*5550	*7450	*7450		
		0.0 m	kg	*1900	*1900	*4450	4200	*5750	*5750	*7900	*7900	*5000	*5000
		-1.5 m	kg	*2200	*2200	*4000	*4000	*5500	*5500	*7550	*7550	*7050	*4050
		-3.0 m	kg	*2800	*2800			*4600	*4600	*6350	*6350	*8850	*6650
		-4.5 m	kg	*2600	*2600					*4000	*4000	*5400	*5400

Lifting capacity / two-piece boom / undercarriage width 2.75 m

Arm length	A	B	7.5 m		6.0 m		4.5 m		3.0 m		1.5 m	
 Without stabiliser	2100 mm	7.5 m kg	*3150	*3150			*4200	*4200				
		6.0 m kg	*2650	*2650			*3750	3050	*4850	4800		
		4.5 m kg	*2550	2300			3850	3000	*5800	4650	*5800	*5800
		3.0 m kg	*2550	2050			3750	2850	5700	4350		
		1.5 m kg	2550	1950	2600	2000	3600	2750	5400	4050		
		0.0 m kg	2650	2000			3450	2650	5200	3900	*4250	*4250
		-1.5 m kg	2950	2250			3450	2600	5150	3850	*8400	6950
		-3.0 m kg	4200	3150					5250	3900		
		-4.5 m kg										
		7.5 m kg	*2550	*2550					*4000	*4000		
		6.0 m kg	*2250	*2250			*3700	3100	*4050	*4050		
		4.5 m kg	*2150	2100			3900	3000	*4650	*4650		
		3.0 m kg	*2150	1900	2700	2050	3750	2900	5750	4400		
		1.5 m kg	*2250	1800	2600	2000	3600	2750	5400	4050		
		0.0 m kg	2450	1850	2550	1950	3450	2650	5200	3850	*4750	*4750
		-1.5 m kg	2700	2050			3450	2550	5100	3800	*7800	6900
		-3.0 m kg	3300	2500			3450	2600	5150	3800		
		-4.5 m kg										
	2500 mm	7.5 m kg	*2050	*2050			*2450	*2450				
		6.0 m kg	*1850	*1850			*3300	3150				
		4.5 m kg	*1750	*1750	2700	2100	*3700	3050	*3550	*3550		
		3.0 m kg	*1750	1700	2650	2050	3750	2900	*5800	4450	*9200	8300
		1.5 m kg	*1850	1650	2550	1950	3600	2700	5400	4050		
		0.0 m kg	*2000	1650	2500	1900	3450	2550	5100	3800	*4950	*4950
		-1.5 m kg	*2300	1800	2450	1850	3300	2500	5000	3700	*7100	6700
		-3.0 m kg	2800	2100			3300	2500	5000	3700	*3850	*3850
		-4.5 m kg										
		7.5 m kg	*2050	*2050			*2450	*2450				
		6.0 m kg	*1850	*1850			*3300	3150				
		4.5 m kg	*1750	*1750	2700	2100	*3700	3050	*3550	*3550		
		3.0 m kg	*1750	1700	2650	2050	3750	2900	*5800	4450	*9200	8300
		1.5 m kg	*1850	1650	2550	1950	3600	2700	5400	4050		
		0.0 m kg	*2000	1650	2500	1900	3450	2550	5100	3800	*4950	*4950
		-1.5 m kg	*2300	1800	2450	1850	3300	2500	5000	3700	*7100	6700
		-3.0 m kg	2800	2100			3300	2500	5000	3700	*3850	*3850
		-4.5 m kg										
	3000 mm	7.5 m kg	*2050	*2050			*2450	*2450				
		6.0 m kg	*1850	*1850			*3300	3150				
		4.5 m kg	*1750	*1750	2700	2100	*3700	3050	*3550	*3550		
		3.0 m kg	*1750	1700	2650	2050	3750	2900	*5800	4450	*9200	8300
		1.5 m kg	*1850	1650	2550	1950	3600	2700	5400	4050		
		0.0 m kg	*2000	1650	2500	1900	3450	2550	5100	3800	*4950	*4950
		-1.5 m kg	*2300	1800	2450	1850	3300	2500	5000	3700	*7100	6700
		-3.0 m kg	2800	2100			3300	2500	5000	3700	*3850	*3850
		-4.5 m kg										
		7.5 m kg	*2050	*2050			*2450	*2450				
		6.0 m kg	*1850	*1850			*3300	3150				
		4.5 m kg	*1750	*1750	2700	2100	*3700	3050	*3550	*3550		
		3.0 m kg	*1750	1700	2650	2050	3750	2900	*5800	4450	*9200	8300
		1.5 m kg	*1850	1650	2550	1950	3600	2700	5400	4050		
		0.0 m kg	*2000	1650	2500	1900	3450	2550	5100	3800	*4950	*4950
		-1.5 m kg	*2300	1800	2450	1850	3300	2500	5000	3700	*7100	6700
		-3.0 m kg	2800	2100			3300	2500	5000	3700	*3850	*3850
		-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)

– Rating over front

– Rating over side

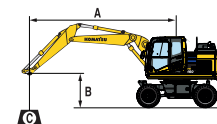
– Rating at maximum reach

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 ISO standard 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

Arm length	A B			7.5 m		6.0 m		4.5 m		3.0 m		1.5 m	
													

 Outrigger + blade	2100 mm	7.5 m	kg	*3150	*3150					*4200	*4200		
		6.0 m	kg	*2650	*2650			*3750	*3750	*4850	*4850		
		4.5 m	kg	*2550	*2550			*5150	*5150	*5800	*5800	*5800	*5800
		3.0 m	kg	*2550	*2550			*5800	5150	*7400	*7400		
		1.5 m	kg	*2650	*2650	*3400	*3400	*6300	5000	*8500	7700		
		0.0 m	kg	*2950	*2950			*6450	4900	*8850	7500	*4250	*4250
		- 1.5 m	kg	*3500	*3500			*6000	4850	*8250	7450	*8400	*8400
		- 3.0 m	kg	*5500	*5500					*6650	*6650		
		- 4.5 m	kg										
	2500 mm	7.5 m	kg	*2550	*2550					*4000	*4000		
		6.0 m	kg	*2250	*2250			*3700	*3700	*4050	*4050		
		4.5 m	kg	*2150	*2150			*4500	*4500	*4650	*4650		
		3.0 m	kg	*2150	*2150	*3600	*3600	*5600	5150	*7000	*7000		
		1.5 m	kg	*2250	*2250	*4350	3600	*6100	5000	*8250	7700		
		0.0 m	kg	*2450	*2450	*4050	3550	*6400	4900	*8750	7450	*4750	*4750
		- 1.5 m	kg	*2900	*2900			*6200	4800	*8500	7350	*7800	*7800
		- 3.0 m	kg	*4350	*4350			*5000	4850	*7150	*7150		
		- 4.5 m	kg										
	3000 mm	7.5 m	kg	*2050	*2050			*2450	*2450				
		6.0 m	kg	*1850	*1850			*3300	*3300				
		4.5 m	kg	*1750	*1750	*3000	*3000	*3700	*3700	*3550	*3550		
		3.0 m	kg	*1750	*1750	*3650	3650	*4750	*4750	*5800	*5800	*9200	*9200
		1.5 m	kg	*1850	*1850	*4400	3600	*5850	4950	*7800	7800		
		0.0 m	kg	*2000	*2000	*4900	3500	*6250	4800	*8600	7450	*4950	*4950
		- 1.5 m	kg	*2300	*2300	*3850	3450	*6250	4750	*8600	7300	*7100	*7100
		- 3.0 m	kg	*2900	*2900			*5450	4750	*7650	7300	*11000	*11000
		- 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)

 - Rating over front

 - Rating over side

 - Rating at maximum reach

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 ISO standard 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load.

 Outrigger front + rear	2100 mm	7.5 m	kg	*3150	*3150					*4200	*4200		
		6.0 m	kg	*2650	*2650			*3750	*3750	*4850	*4850		
		4.5 m	kg	*2550	*2550			*5150	*5150	*5800	*5800	*5800	*5800
		3.0 m	kg	*2550	*2550			*5800	*5800	*7400	*7400		
		1.5 m	kg	*2650	*2650	*3400	*3400	*6300	6100	*8500	*8500		
		0.0 m	kg	*2950	*2950			*6450	6000	*8850	*8850	*4250	*4250
		- 1.5 m	kg	*3500	*3500			*6000	5950	*8250	*8250	*8400	*8400
		- 3.0 m	kg	*5500	*5500					*6650	*6650		
		- 4.5 m	kg										
	2500 mm	7.5 m	kg	*2550	*2550					*4000	*4000		
		6.0 m	kg	*2250	*2250			*3700	*3700	*4050	*4050		
		4.5 m	kg	*2150	*2150			*4500	*4500	*4650	*4650		
		3.0 m	kg	*2150	*2150	*3600	*3600	*5600	*5600	*7000	*7000		
		1.5 m	kg	*2250	*2250	*4350	*4350	*6100	6100	*8250	*8250		
		0.0 m	kg	*2450	*2450	*4050	*4050	*6400	6000	*8750	*8750	*4750	*4750
		- 1.5 m	kg	*2900	*2900			*6200	5900	*8500	*8500	*7800	*7800
		- 3.0 m	kg	*4350	*4350			*5000	*5000	*7150	*7150		
		- 4.5 m	kg										
	3000 mm	7.5 m	kg	*2050	*2050			*2450	*2450				
		6.0 m	kg	*1850	*1850			*3300	*3300				
		4.5 m	kg	*1750	*1750	*3000	*3000	*3700	*3700	*3550	*3550		
		3.0 m	kg	*1750	*1750	*3650	*3650	*4750	*4750	*5800	*5800	*9200	*9200
		1.5 m	kg	*1850	*1850	*4400	4350	*5850	*5850	*7800	*7800		
		0.0 m	kg	*2000	*2000	*4900	4250	*6250	5900	*8600	*8600	*4950	*4950
		- 1.5 m	kg	*2300	*2300	*3850	*3850	*6250	5850	*8600	*8600	*7100	*7100
		- 3.0 m	kg	*2900	*2900			*5450	*5450	*7650	*7650	*11000	*11000
		- 4.5 m	kg										

Standard and optional equipment

Engine

Komatsu SAA4D107E-5 turbocharged common rail direct injection diesel engine	●
EU Stage V 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	●
Batteries 2 × 12 V/125 Ah	●
Alternator 24 V / 85 A	●
Starter motor 24 V / 4.5 kW	●

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, Lifting/Fine Operation, Breaker, Economy, Attachment Power and Attachment Economy	●
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	○
Komatsu Integrated Attachment Control (KIAC)	○
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	○
Limited-slip differential (LSD)	○
Twin tyres 10.00-20 16 PR	○
Twin tyres (solid tyres) 10.00-20	○
Twin tyres 315/70 R22.5	○
Single tyres 445/70 R19.5	○
Single tyres 710/40 22.5	○
Trailer hitches	○
Fenders	○

Cabin

SpaceCab™, ROPS, 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	●
Adjustable steering column	●
Premium comfort seat	○
DAB+ radio with Bluetooth®, USB, AUX and hands-free kit	○
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)	○

Lighting system

Standard halogen working lights package	●
LED working lights package	○
Advanced LED working lights package	○
Beacon	○

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 (4G)	●
Multifunction video compatible colour monitor with Equipment Management and Monitoring System (EMMS) and efficiency guidance	●
Toolkit	●
Komatsu Care – a maintenance program for Komatsu customers	●
Remote greasing bar	●
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, 25 or 35 km/h speed limitation	○
Transmission guard	○
Automatic digging brake	○

Work equipment

Mono boom	○
Two-piece boom	○
2100 mm; 2500 mm; 3000 mm 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	○
License plate holder	○

Further equipment on request

- standard equipment
- optional equipment

This specification sheet may contain attachments and optional equipment that are not available in your area. Please consult your local Komatsu distributor for those items you may require. Materials and specifications are subject to change without notice.

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