

# CRAWLER EXCAVATOR SERIES PC160-6

# KOMATSU



*The machine shown may vary according to territory specifications*

**active**

Designed and manufactured in Europe, for European preferences and needs, the PC160-6 delivers the ultimate balance of productivity, reliability, and operator comfort. Komatsu's on-board, patented HydraMind hydraulic system assists every operation with versatile machine performance criteria that's always perfectly matched to each task.

## HYDRAULIC EXCAVATOR PC160-6

**FLYWHEEL HORSEPOWER:** 80 kW (107 HP) SAEJ 1349

**BUCKET CAPACITYS (SAE):** UP TO 0.95 m<sup>3</sup>

**WEIGHT RANGE:** UP TO 17870 kg

# PRODUCTIVE AND FLEXIBLE

Like all Komatsu dash-6 excavators, the PC160-6 has power, speed and control to give exceptional productivity.

## Engine power

The starting point for productivity is engine power. The turbo-charged engine not only delivers a huge 107HP, it is also fuel efficient and meets all current emissions and noise standards. Fuel consumption and noise is further improved using the auto-deceleration system, which automatically reduces engine speed when the wrist control levers are in neutral after a few seconds.



## Fast and powerful digging

Engine power, high pump output and the control of the HydraulMind hydraulic system all contribute to give an excavator with exceptionally fast and powerful digging forces.



## Flexibility

The PC160-6 was designed from the outset to be the perfect excavator for any application. A full range of booms and arms is available, ensuring the PC160-6 can always be configured to match your application exactly.

This machine is installed with one additional service valve as standard. Piping and further service valves are optionally available to complete the additional hydraulic system according to the application.

# EASY OPERATION

## Working Mode Selection

Five working modes are designed to deliver optimal overall machine performance for heavy-duty, general, finishing, lifting and breaker operations. When selected, the mode governs the most efficient combination of engine speed, pump speed and system pressure for the task.

The G/O mode has proven to be exceptional as a general running mode, delivering substantial savings in fuel, based on a measure of tonnes excavated/litre of fuel.

Working Mode	Application	Advantage
H/O	for heavy operations such as hard digging and loading	<ul style="list-style-type: none"> <li>• Maximum production and power</li> <li>• Fast cycle times</li> <li>• Power Max/Swift Slow Down modes available</li> </ul>
G/O	for general operations with exceptional fuel economy	<ul style="list-style-type: none"> <li>• Good cycle times</li> <li>• Exceptional fuel economy</li> <li>• Power Max/Swift Slow Down modes available</li> </ul>
F/O	for finishing operations that require fine control with task-matched work equipment speeds	<ul style="list-style-type: none"> <li>• Smooth finishing capability</li> <li>• Arm at half-speed</li> </ul>
L/O	for precise, powerful lifting operations	<ul style="list-style-type: none"> <li>• Increased, continuous relief pressure</li> <li>• Reduced speed</li> <li>• Fine precision control</li> </ul>
B/O	for powerful breaker operations	<ul style="list-style-type: none"> <li>• Optimal pressure and flow</li> <li>• Optimum engine rpms</li> </ul>

## Power Max/Swift Slow Down

Power Max can be selected by depressing a joystick button for an instant burst of power to help break through tough digging situations. Swift Slow Down joystick activated to diminish all work equipment speeds to half, allowing finishing and delicate operations to be carried out with ultimate precision.

Selection	Application	Result
Power up	Tough Digging Operations	Increase implement force by 9% for 8.5 seconds
Speed down	Delicate Operations	Speed is reduced by 1/2. Increase implement force by 9% as long as joystick button is pressed.



## Active Mode

When productivity is the highest-level priority, the Active mode is the ideal supplement to the five working modes. It increases engine speed, pump flow, and boom-down speed, to increase productivity by up to 10% greater than operations in the H/O Heavy Duty working mode.

The new "Active" logo with the green "+" confirms that the machine has all of the popular Komatsu "Active" attributes, plus a generous new offering of on-board operator comforts for a better, more productive work environment.

**active**

# OPERATOR COMFORT

All sources of operator fatigue have been carefully considered during the design process. The result is a cab offering unparalleled space and ergonomics, combined with exceptionally low vibration and noise.



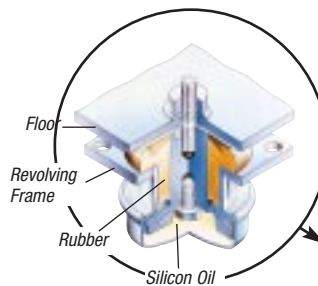
## Outstanding operator space

The cab offers unparalleled space for the operator, with generous leg and headroom as well as a large space to store personal belongings behind the seat. The multi-adjustable seat and controls can be set to create the ideal individual working position for any operator.



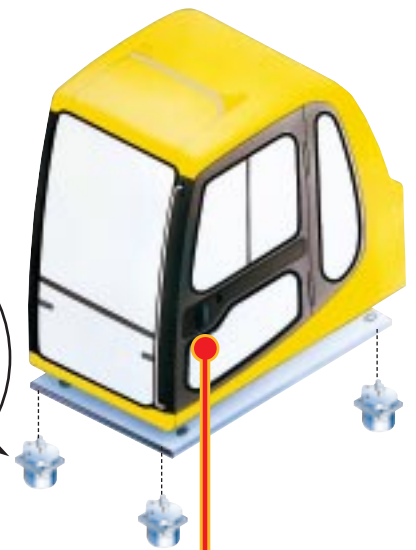
## Superb visibility

Plexiglas roof with sun visor. The optional new plexiglas roof with sun visor gives the operator a better view of overhead obstacles and machine operations. It also allows more natural light to illuminate the cab's interior.



## Quieter cab

Viscous damping cab mounts ensure a quieter work environment, reducing operator fatigue whilst helping concentration.

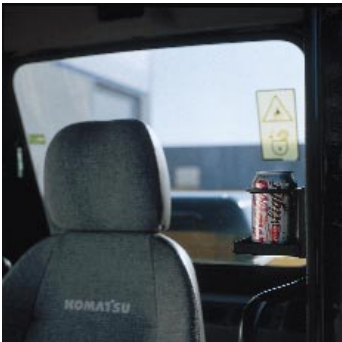


# CONTROL

Komatsu was the first to introduce computer control into excavators. The latest control system used by the PC160-6 is sophisticated but easy to use.



Front visibility is further improved by the use of the Komatsu patented wiper system. When not in use the wiper parks on the cab frame itself with no contact with the front window. As well as giving excellent visibility, this systems avoids the need to disconnect the wiper before lifting the front window.



The new, secure beverage holder is thoughtfully placed within the sight and easy reach of the operator.



Now, factory-wired 4-switch levers can be specified when ordering a new machine. Installed at the time of manufacture, the wires integrate within the standard internal harness, giving secure and easy expansion to connect additional functionalities. The wrist control levers are elevated for comfortable hand access.



Optional air suspension heated seat  
The new, optional air suspension heated seat is the ultimate in comfort for operators who work long hours in cold climates.



12v in-cab power supply  
A 12v, in-cab power supply is now standard-installed, in addition to the normal 24v service. It's a welcome addition for operators who want services such as powering or recharging their mobile phones.



## Four Diagnostic Modes

### 1. Time Display mode

The default setting. It shows the time and hours meter.

### 2. User Code Display mode

Displays a trouble code and sounds an alarm when a problem has been detected.

### 3. Trouble Data Memory mode

Monitors 32 separate items and stores up to 20 abnormalities over 999 hours for effective troubleshooting.

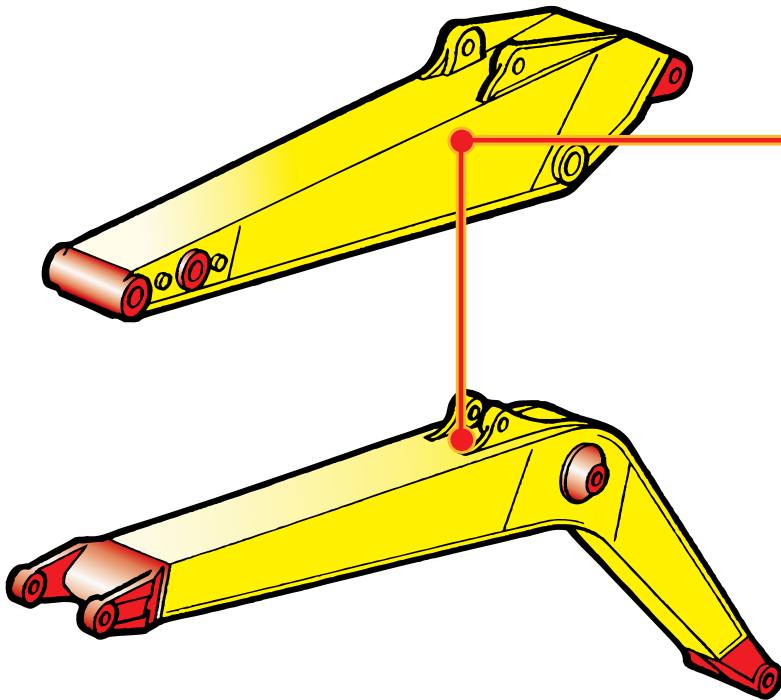
### 4. Operation Data mode

20 operating parameters, for example engine speed and hydraulic pressure, are continuously monitored so the operator can be informed immediately of a problem. In addition, service engineers can carry out electrical connection diagnostics.

Together these 4 diagnostic modes allow troubleshooting of 119 different potential problems to keep the machine operating at peak performance.

# DURABILITY AND RELIABILITY

Komatsu has years of experience in the design and manufacture of hydraulic excavators. All of this experience has been used to make the PC160-6 exceptionally durable, even in the most arduous of applications.



## Designed and built for strength.

Using the latest computer aided design techniques and exhaustive testing, the boom and arm designs have been optimised for strength and durability. A key feature is the extensive use of large castings, which distribute load evenly in high stress areas. The boom top and bottom plates are manufactured from single plates, again to distribute loads evenly and avoid potential weak points.

The highly automated manufacturing process uses the very latest equipment and quality control techniques. Critical welding is carried out by robots to ensure an extremely high quality and consistent product.

At boom foot and boom lift cylinder joints use chrome plated pin and bronze bushing system to provide minimal play and extended durability.

## X-frame undercarriage.

The X-frame undercarriage is a well-proven, Komatsu design used throughout the excavator range. The 'X'-design minimises distortion and twisting of the outer track-frames. This not only gives a long service life, but is also a significant factor in the stability of the excavator. Track-frame under-guards are installed as standard to protect the hydraulic components.



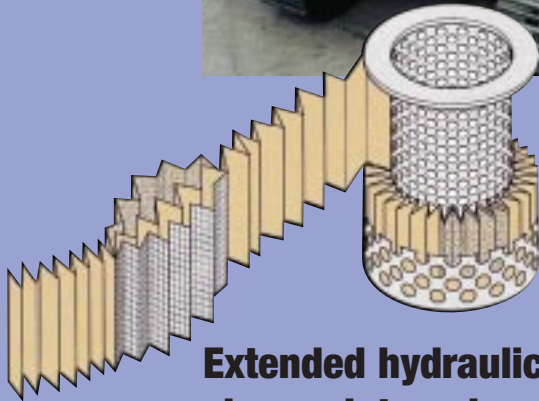
# SERVICEABILITY

Rapid and effective servicing and diagnostics are essential for machine availability and reduced servicing costs.



## Extended hydraulic oil change intervals.

The introduction of a new hybrid filter has extended the filter change interval to 500 hours and the oil itself now only needs to be replaced every 5000 hours. To ensure that these new intervals are followed, a new oil-change indicator function has been incorporated into the monitor panel. This warns the operator when a pre-set number of operating hours has elapsed and displays the telephone number of the nearest Komatsu service centre.



## Accessible service locations

The operator and service staff can climb onto the machine easily using the large handrails. All service locations are readily accessible through the wide opening doors and hoods. Service details include centralised greasing points and full guarding of the turbo-charger, fan and ancillary drive belts. Re-fuelling is quickly accomplished using the standard re-fuel pump.

## Komatsu service support

Full service support is available through the Komatsu distributor network, backed-up by excellent parts availability from the Komatsu European parts distribution centre.

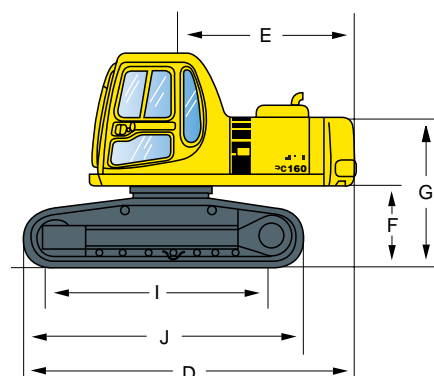
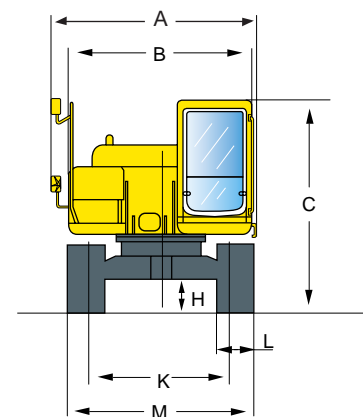


# MACHINE DIMENSIONS

## PC160-6

### PC 160-6

<b>A</b>	Overall width of upper structure with mirror & handrail	2760 mm
<b>B</b>	Overall width of upper structure	2455 mm
<b>C</b>	Overall height of cab	2829 mm
<b>D</b>	Overall length of basic machine	4258 mm
<b>E</b>	Tail length / tail swing radius	2417 mm
<b>F</b>	Clearance under counterweight	989 mm
<b>G</b>	Machine tail height	2168 mm
<b>H</b>	Ground clearance	442 mm
<b>I</b>	Track length on ground	2880 mm
<b>J</b>	Track length	3686 mm
<b>K</b>	Track gauge	1990 mm
<b>L</b>	Track shoe width	500, 600, 700, 800, 900 mm
<b>M</b>	Overall track width with 500 mm shoe	2490 mm
	600 mm shoe	2590 mm
	700 mm shoe	2690 mm
	800 mm shoe	2790 mm
	900 mm shoe	2890 mm



# TRANSPORTATION DIMENSIONS

## PC160-6

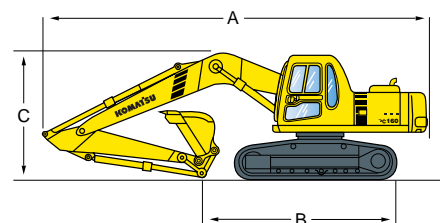
### ONE-PIECE BOOM

Arm	1850 mm	2250 mm	2600 mm	2900 mm	
PC160-6	A	8625 mm	8565 mm	8565 mm	8570 mm
	B	5865 mm	4970 mm	4585 mm	4395 mm
	C	3115 mm	2945 mm	2960 mm	3060 mm

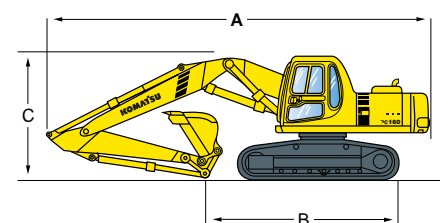
### TWO-PIECE BOOM

Arm	1850 mm	2250 mm	2600 mm	2900 mm	
PC160-6	A	8591 mm	8556 mm	8530 mm	8491 mm
	B	6135 mm	5333 mm	4980 mm	4839 mm
	C	3000 mm	2939 mm	3015 mm	3100 mm

### ONE-PIECE BOOM



### TWO-PIECE BOOM





## ENGINE

Type ..... 4 cylinder, direct injection emissionised turbo charged diesel  
 Model .....Komatsu SA4D102E  
 Power rating  
 SAE J1349 (Gross).....84,7 kW (113HP/115PS) at 2100 rpm  
 SAE J1349 (Net) .....80kW (107HP/109PS) at 2100 rpm  
 Bore x stroke..... 102 mm x 120 mm  
 Piston displacement ..... 3.92 litre  
 Air-cleaning and cooling ..... Double element type with monitor panel dust indicator and auto dust evacuator.  
 Suction type cooling fan with radiator flyscreen.

## ELECTRICAL SYSTEM

Alternator ..... 24 Volt 55 ampere  
 Batteries ..... 2 x 12 Volt 95 Ah.  
 Starter motor ..... 24 Volt 4.5 kW.

## HYDRAULIC SYSTEM

Type ..... HydrauMind. Closed-centre system with load sensing and pressure compensation valves.  
 Additional circuits ..... Depending on specification up to 2 additional circuits can be installed, with flow-control available on the first circuit.  
 Main pump ..... Variable displacement piston pumps supplying boom, arm, bucket, swing and travel circuits  
 Maximum pump flow ..... 276 litre/min  
 Relief valve settings  
 Implement (Standard)..... 325kg/cm<sup>2</sup>  
 Implement (Power Max) ..... 355kg/cm<sup>2</sup>  
 Travel ..... 355kg/cm<sup>2</sup>  
 Swing ..... 280kg/cm<sup>2</sup>  
 Pilot circuit ..... 33kg/cm<sup>2</sup>

## DRIVES & BRAKES

Steering control ..... 2 levers with pedals giving full independent control of each track.  
 Drive method .....Enclosed variable displacement axial piston motor driving through planetary double reduction gearbox for each track.  
 Travel operation ..... Automatic 3-speed selection  
 Travel speeds Lo / Mi / Hi ..... 2.7 / 4.0 / 5.5 km/h  
 Maximum drawbar pull ..... 13800kg  
 Brake system .....Hydraulically operated discs in each travel motor.

## SWING SYSTEM

Type ..... Axial piston motor driving through planetary double reduction gearbox.  
 Swing lock ..... Electrically actuated wet multi-disc brake integrated into swing motor. An additional mechanical pin can be engaged from inside the operator cab.  
 Swing speed ..... 0 to 12.0rpm

## ENVIRONMENT

Engine emissions .....Fully complies with proposed EC stage 1 exhaust emission regulations.  
 Noise levels (95/27/EC - dynamic values)  
 LWA External noise ..... 104dB(A)  
 LPA Operator ear noise ..... 77dB(A)

## UNDERCARRIAGE

Construction ..... X-frame centre section with box section track-frames  
 Track assembly  
 Type ..... Fully sealed.  
 Shoes (each side) .....41  
 Tension .....Combined spring and hydraulic unit  
 Rollers  
 Track rollers (each side) ..... 6  
 Carrier rollers (each side) ..... 1

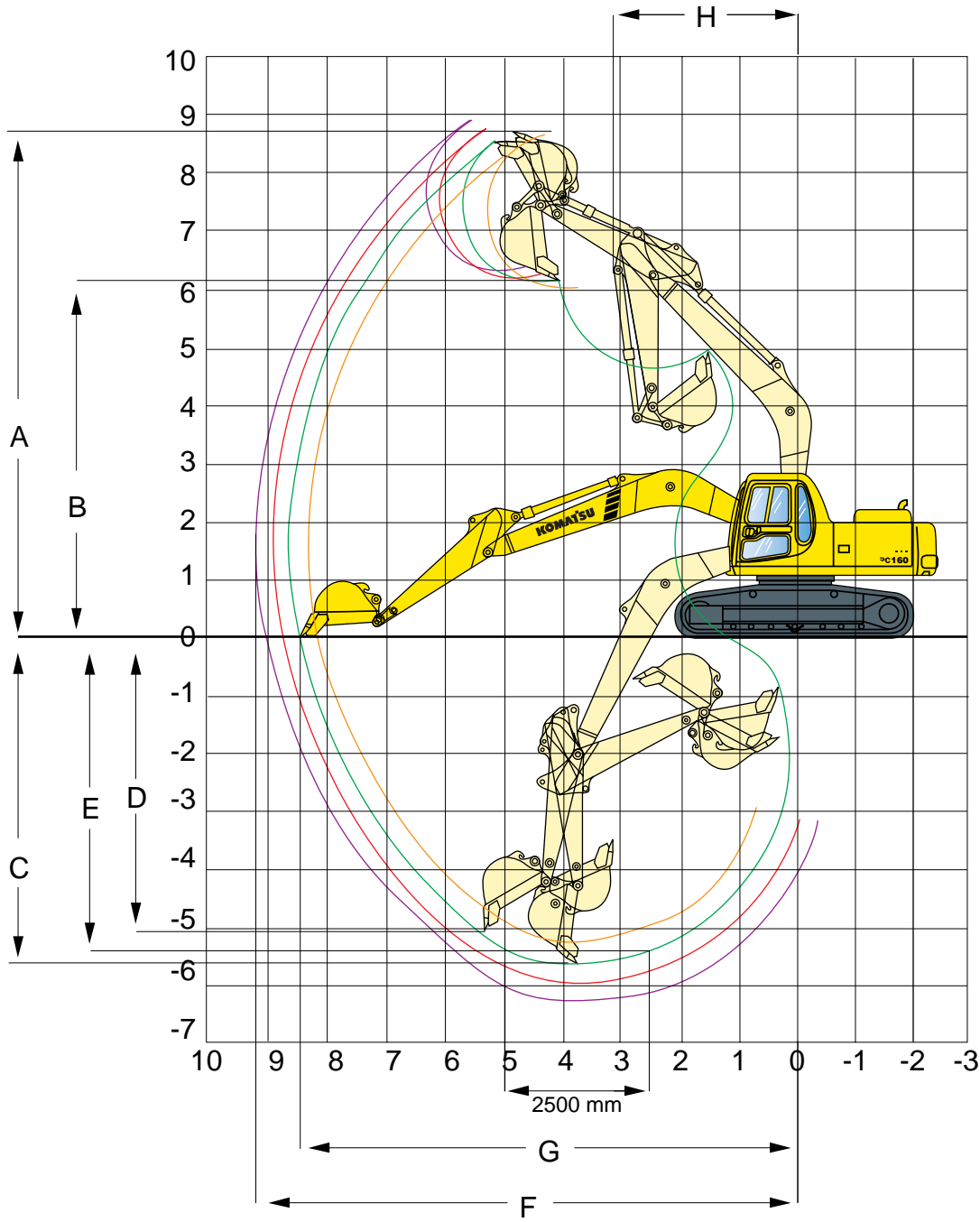
## SERVICE/REFILL CAPACITIES

Fuel tank ..... 250.0 ltr  
 Radiator ..... 20 ltr  
 Engine ..... 16 ltr  
 Swing drive ..... 4.0 ltr  
 Hydraulic tank ..... 120.0 ltr  
 Final drive (each side) ..... 4.0 ltr

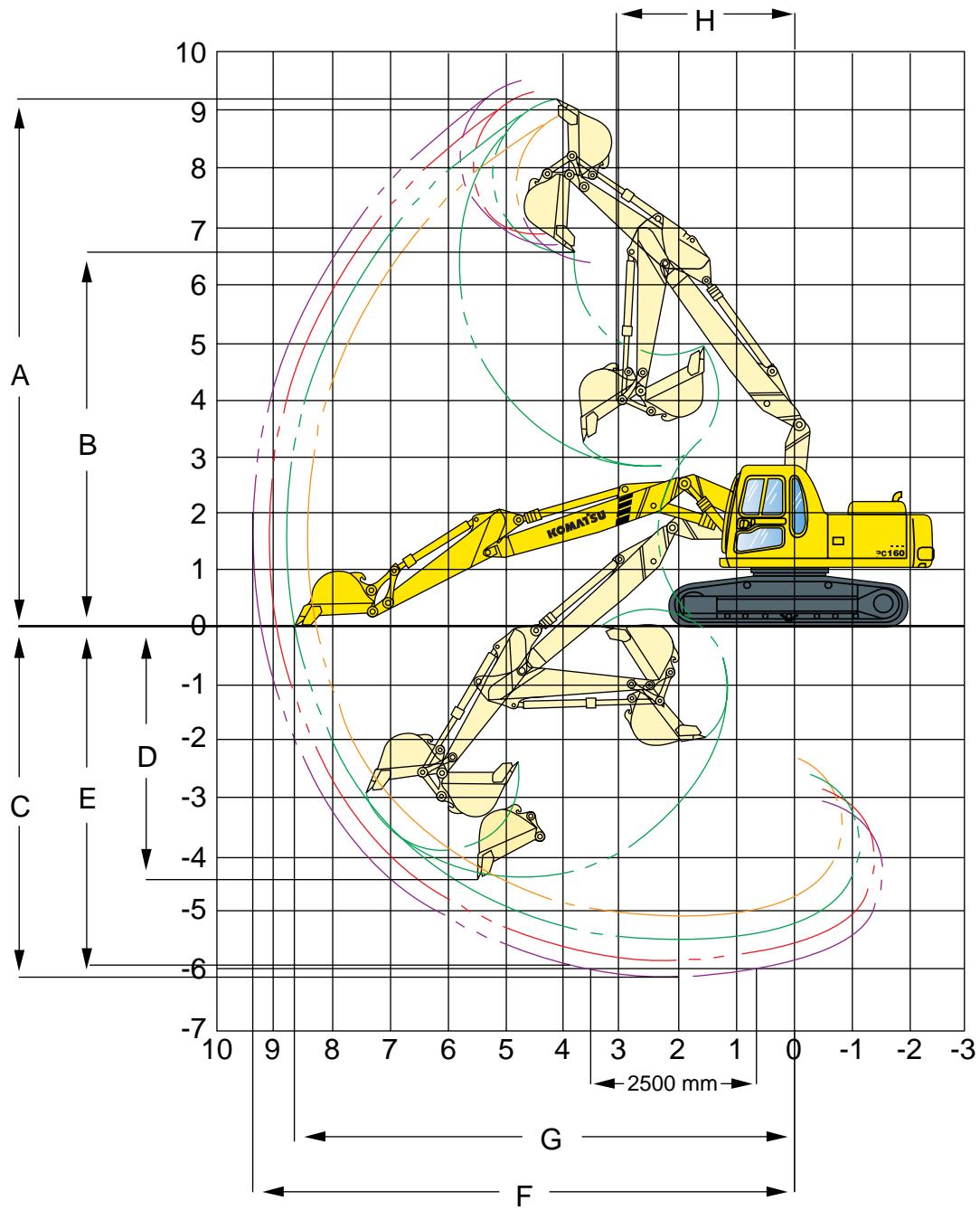
## OPERATING WEIGHT

Operating weight, including 5140 mm two-piece boom, or 5150 mm one-piece boom, 2250 mm arm, SAE heaped 0.58 m<sup>3</sup> backhoe bucket, operator, lubricant, coolant and full fuel tank and the standard equipment.

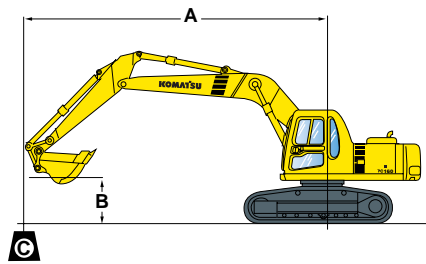
Triple grouser shoes	ONE-PIECE BOOM		TWO-PIECE BOOM	
	PC160-6		PC160-6	
	Operating weight	Ground pressure	Operating weight	Ground pressure
500 mm	16300 kg	0,52 kg/cm <sup>2</sup>	16950 kg	0,53 kg/cm <sup>2</sup>
600 mm	16530 kg	0,44 kg/cm <sup>2</sup>	17180 kg	0,46 kg/cm <sup>2</sup>
700 mm	16760 kg	0,38 kg/cm <sup>2</sup>	17410 kg	0,40 kg/cm <sup>2</sup>
800 mm	16990 kg	0,33 kg/cm <sup>2</sup>	17640 kg	0,35 kg/cm <sup>2</sup>
900 mm	17220 kg	0,30 kg/cm <sup>2</sup>	17870 kg	0,31 kg/cm <sup>2</sup>



Arm length	1850 mm	2250 mm	2620 mm	2900 mm
A Max. digging height	8735 mm	8800 mm	8865 mm	9015 mm
B Max. dumping height	6090 mm	6190 mm	6280 mm	6430 mm
C Max. digging depth	5240 mm	5645 mm	6000 mm	6290 mm
D Max. vertical wall digging depth	4546 mm	5076 mm	5730 mm	5783 mm
E Max. digging depth of cut for 8' level	4990 mm	5415 mm	5780 mm	6090 mm
F Max. digging reach	8355 mm	8675 mm	8960 mm	9230 mm
G Max. digging reach at ground	8190 mm	8515 mm	8805 mm	9080 mm
H Min. swing radius	3360 mm	3060 mm	3000 mm	3010 mm



Arm length	1850 mm	2250 mm	2620 mm	2900 mm
A Max. digging height	9026 mm	9176 mm	9311 mm	9494 mm
B Max. dumping height	6350 mm	6515 mm	6659 mm	6843 mm
C Max. digging depth	5088 mm	5483 mm	5824 mm	6112 mm
D Max. vertical wall digging depth	4113 mm	4455 mm	4749 mm	4996 mm
E Max. digging depth of cut for 8° level	4973 mm	5374 mm	5720 mm	6012 mm
F Max. digging reach	8403 mm	8750 mm	9053 mm	9329 mm
G Max. digging reach at ground	8232 mm	8585 mm	8894 mm	9175 mm
H Min. swing radius	3477 mm	3033 mm	3003 mm	2966 mm



- A - Reach from swing center
- B - Bucket hook height
- Rating over front
- Rating over side
- C - Lifting capacity

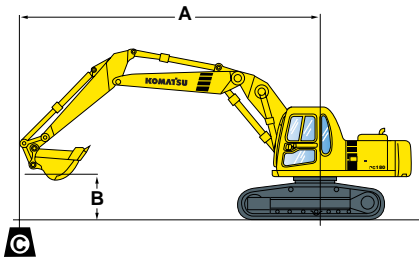
When removing bucket, linkage or cylinder, lifting capacities can be increased by their respective weights

Arm length	A	MAX		7.5m		6.0m		4.5m		3.0m		1.5m		
With 500 mm shoe  2900 mm  0,67 m³/SAE 0,61 m³/CECE 518 kg	6.0m	kg	*1500	*1500	-	-	*3050	2850	-	-	-	-	-	
	4.5m	kg	*1450	*1450	*2200	1750	*3550	2750	-	-	-	-	-	
	3.0m	kg	*1500	1400	2500	1700	3800	2600	*5000	4250	*7150	*7150	-	-
	1.5m	kg	*1650	1300	2450	1600	3550	2400	5750	3800	*8750	7100	-	-
	0.0m	kg	*1900	1300	2350	1500	3400	2250	5350	3500	*6750	6500	-	-
	-1.5m	kg	2250	1450	2300	1500	3300	2150	5200	3350	*8750	6400	*4750	*4750
	-3.0m	kg	2750	1800	-	-	3300	2150	5200	3350	*10350	6500	*7600	*7600
	-4.5m	kg	4050	2700	-	-	-	-	5300	3450	*8000	6800	-	-
	With 500 mm shoe  2600 mm  0,67 m³/SAE 0,61 m³/CECE 518 kg	6.0m	kg	*1700	*1700	-	-	*3150	2750	-	-	-	-	-
4.5m		kg	*1650	*1650	-	-	*3700	2700	-	-	-	-	-	
3.0m		kg	*1700	1500	2500	1650	3750	2550	*5300	4200	*7750	*7750	-	-
1.5m		kg	*1900	1400	2400	1550	3550	2350	5550	3700	*6750	*6750	-	-
0.0m		kg	2200	1400	2350	1500	3400	2200	5350	3500	*6400	*6400	-	-
-1.5m		kg	2400	1550	-	-	3300	2150	5200	3350	*9100	6450	*5050	*5050
-3.0m		kg	3000	1950	-	-	3350	2200	5250	3400	*9950	6600	*8300	*8300
-4.5m		kg	*4150	3100	-	-	-	-	*4900	3600	*7300	6950	-	-
With 500 mm shoe  2250 mm  0,67 m³/SAE 0,61 m³/CECE 518 kg		6.0m	kg	*2100	*2100	-	-	*3200	2700	-	-	-	-	-
	4.5m	kg	*2050	1850	-	-	3850	2700	*4500	4500	-	-	-	
	3.0m	kg	*2100	1600	2450	1650	3700	2550	*5650	4100	*8750	7850	-	-
	1.5m	kg	*2300	1500	2400	1600	3500	2350	5600	3700	-	-	-	
	0.0m	kg	2350	1550	2350	1550	3400	2250	5300	3450	*5700	*5700	-	-
	-1.5m	kg	2650	1700	-	-	3300	2200	5250	3400	*9350	6450	*5300	*5300
	-3.0m	kg	3350	2200	-	-	3400	2250	5300	3450	*9400	6650	*9250	*9250
	-4.5m	kg	*4000	3750	-	-	-	-	-	-	*6250	*6250	-	-
	With 500 mm shoe  1850 mm  0,67 m³/SAE 0,61 m³/CECE 518 kg	6.0m	kg	*3650	2750	-	-	-	-	-	-	-	-	-
4.5m		kg	3050	2100	-	-	3850	2700	*5000	4450	-	-	-	
3.0m		kg	2650	1800	-	-	3700	2550	6000	4050	-	-	-	
1.5m		kg	2550	1700	-	-	3550	2400	5600	3700	-	-	-	
0.0m		kg	2600	1750	-	-	3450	2300	5350	3500	-	-	-	
-1.5m		kg	2950	1950	-	-	3400	2250	5350	3500	*9450	6650	-	-
-3.0m		kg	3850	2600	-	-	-	-	5450	3600	*8700	6850	-	-
-4.5m		kg	-	-	-	-	-	-	-	-	-	-	-	-

\*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.

# LIFTING CAPACITIES TWO PIECE BOOM

# PC160-6



- A - Reach from swing center
- B - Bucket hook height
- Rating over front
- Rating over side
- C - Lifting capacity

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

Arm length	A	MAX		7.5m		6.0m		4.5m		3.0m		2.5m		
With 500 mm shoe  2900 mm  0,67 m³/SAE 0,61 m³/CECE 518 kg	7.5m	kg	*1550	*1550	-	-	*2100	*2100	-	-	-	-	-	
	6.0m	kg	*1400	*1400	-	-	*3250	2800	-	-	-	-	-	
	4.5m	kg	*1350	*1350	2550	1750	*3900	2700	-	-	-	-	-	
	3.0m	kg	*1350	1300	2500	1650	3750	2550	*5650	4200	*8200	8200	-	-
	1.5m	kg	*1450	1250	2450	1600	3550	2400	5700	3800	-	-	-	-
	0.0m	kg	*1650	1300	2350	1550	3400	2250	5400	3500	*6000	*6000	*3900	*3900
	-1.5m	kg	*2000	1450	2350	1500	3350	2150	5300	3400	*8450	6550	*6500	*6500
	-3.0m	kg	*2700	1850	-	-	3350	2200	5300	3450	11150	6700	-	-
With 500 mm shoe  2600 mm  0,67 m³/SAE 0,61 m³/CECE 518 kg	7.5m	kg	*1800	*1800	-	-	-	-	-	-	-	-	-	
	6.0m	kg	*1550	*1550	-	-	*3500	2750	-	-	-	-	-	
	4.5m	kg	*1500	*1500	*2250	1700	3850	2650	*4450	*4450	-	-	-	-
	3.0m	kg	*1550	1400	2500	1650	3700	2500	*6050	4100	*9150	7950	-	-
	1.5m	kg	*1650	1350	2400	1550	3500	2350	5650	3700	-	-	-	-
	0.0m	kg	*1900	1400	2350	1500	3400	2200	5350	3500	*5750	*5750	-	-
	-1.5m	kg	*2350	1550	-	-	3350	2150	5300	3400	*8800	6600	6800	6800
	-3.0m	kg	-	-	-	-	3400	2200	5350	3450	11200	6800	-	-
With 500 mm shoe  2250 mm  0,67 m³/SAE 0,61 m³/CECE 518 kg	7.5m	kg	*2300	*2300	-	-	-	-	-	-	-	-	-	
	6.0m	kg	*1950	*1950	-	-	*3850	2700	-	-	-	-	-	
	4.5m	kg	*1900	1750	-	-	3850	2650	*4950	4400	-	-	-	-
	3.0m	kg	*1900	1550	2450	1650	3700	2500	6000	4050	-	-	-	-
	1.5m	kg	*2050	1450	2400	1600	3500	2350	5600	3700	-	-	-	-
	0.0m	kg	*2300	1500	2400	1550	3400	2250	5350	3500	*5100	*5100	-	-
	-1.5m	kg	2650	1750	-	-	3350	2200	5300	3450	*9100	6650	*7000	*7000
	-3.0m	kg	-	-	-	-	-	-	5400	3550	-	-	-	-
With 500 mm shoe  1850 mm  0,67 m³/SAE 0,61 m³/CECE 518 kg	7.5m	kg	*4250	3900	-	-	-	*4850	4500	-	-	-	-	
	6.0m	kg	*3550	2500	-	-	3850	2700	*4600	4550	-	-	-	-
	4.5m	kg	2900	1950	-	-	3850	2650	*5500	4350	-	-	-	-
	3.0m	kg	2550	1700	-	-	3700	2550	5950	4000	-	-	-	-
	1.5m	kg	2500	1650	-	-	3550	2400	5600	3700	-	-	-	-
	0.0m	kg	2600	1750	-	-	3450	2300	5450	3550	-	-	-	-
	-1.5m	kg	3000	2000	-	-	3450	2300	5450	3550	*9050	6850	-	-
	-3.0m	kg	-	-	-	-	-	-	-	-	-	-	-	-

\*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.

Specifications and equipments may vary according to regional availability

## BUCKET AND ARM COMBINATION

Width mm	Capacity m <sup>3</sup> SAE	Weight	PC160-6 arm length			
			1850mm	2250mm	2600mm	2900mm
450	0.27 m <sup>3</sup>	369 kg	○	○	○	○
600	0.40 m <sup>3</sup>	413kg	○	○	○	○
700	0.49 m <sup>3</sup>	451 kg	○	○	○	○
800	0.58 m <sup>3</sup>	480 kg	○	○	○	○
900	0.67 m <sup>3</sup>	518 kg	○	○	○	○
1000	0.76 m <sup>3</sup>	547 kg	○	□	□	□
1200	0.95 m <sup>3</sup>	614 kg	□	△	△	-

○ Material weight up to 1.8 t/m<sup>3</sup>  
 □ Material weight up to 1.5 t/m<sup>3</sup>  
 △ Material weight up to 1.2 t/m<sup>3</sup>  
 - Not recommended.

Please consult with your distributor for the correct selection of buckets and attachments to suit the application. The recommendations are given as a guide only, based on typical operating conditions.

A full range of Komatsu wear parts is available.



**ABRASION**



**SHARP**



**GENERAL PURPOSE**



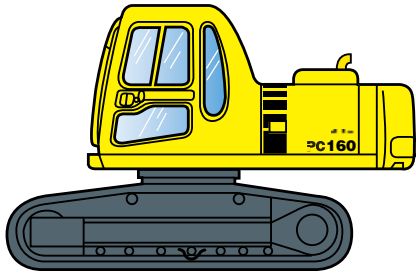
**PENETRATION**

A wide range of attachments is available. Please consult your distributor for details of the full range.

## BUCKET AND ARM FORCE

Arm length	1850 mm	2550 mm	2600 mm	2900mm
Bucket force	11480 kg	11480kg	11480kg	11480 kg
Bucket force, power max	12540 kg	12540 kg	12540 kg	12540 kg
Arm force	11125 kg	8900 kg	7700 kg	6900 kg
Arm force, power max	12126 kg	9700 kg	8393 kg	7521 kg

## BASIC MACHINE

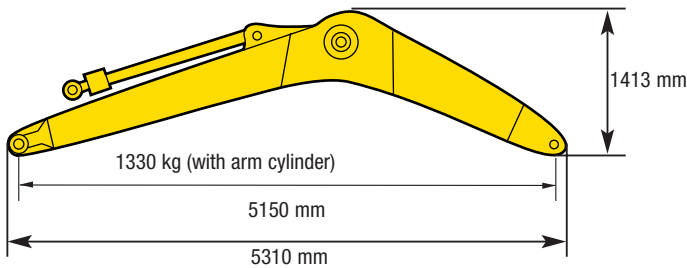


(APPROXIMATE WEIGHTS)

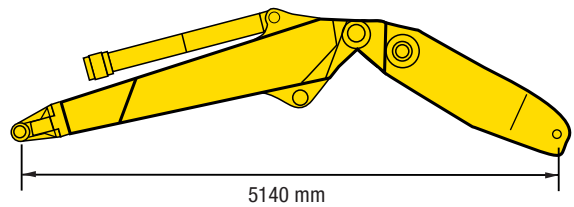
Shoe width	PC160-6
	Weight
500 mm	13542 kg
600 mm	13772kg
700 mm	14002kg
800 mm	19232kg
900 mm	14462kg

## BOOM

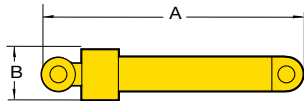
### ONE-PIECE BOOM



### TWO-PIECE BOOM

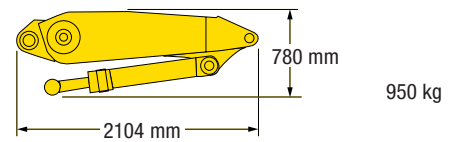


### BOOM RAISE CYLINDERS

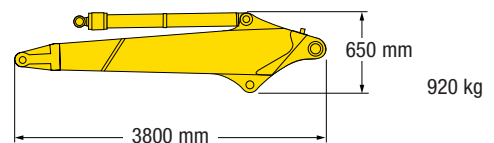


	1P boom	2P boom
Dimension A	1760 mm	1675 mm
Dimension B	176 mm	185 mm
Weight (each)	140 kg	145 kg

### TWO-PIECE BOOM - FIRST BOOM WITH ADJUST CYLINDER

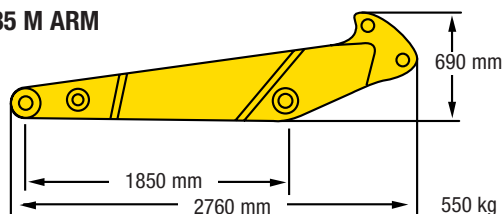


### TWO-PIECE BOOM - SECOND BOOM WITH ARM CYLINDER

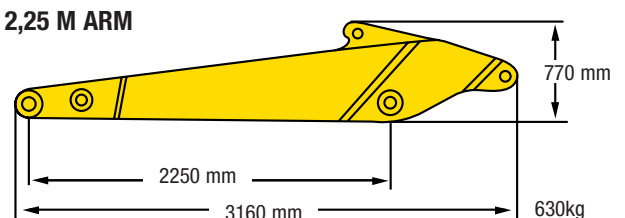


## ARMS

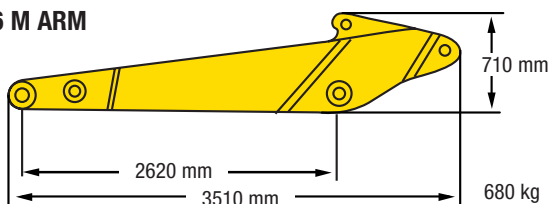
### 1,85 M ARM



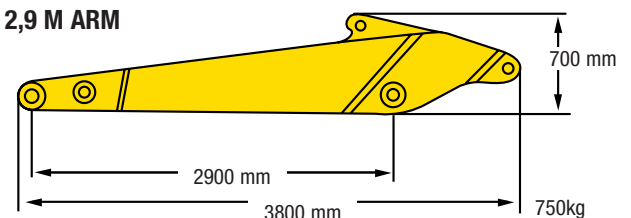
### 2,25 M ARM



### 2,6 M ARM



### 2,9 M ARM



# KOMATSU CRAWLER EXCAVATOR SERIES PC160-6



## STANDARD EQUIPMENT

Standard and optional equipment may vary. Consult your Komatsu dealer for more information.

- Komatsu SA4D102E-1 80.0kW direct injection emissionised turbo charged diesel engine.
- Double element type air-cleaner with monitor panel dust indicator and auto-dust evacuator.
- Suction type cooling fan with radiator flyscreen.
- Automatic fuel line de aeration
- Engine key stop
- Alternator, 24 Volt 45 A
- Batteries, 2 x 12 Volt 95 Ahr
- Starter motor, 24 Volt 4.5 kW
- Electronic closed-centre load sensing (E-CLSS)
- Hydraulic system (HydrauMind).
- Pump and engine mutual control (PEMC) system
- Monitor panel with working mode selection system
- Power-Max function
- Swift Slow-down function
- Active mode
- Auto-deceleration function.
- Automatic engine warm-up system.
- Engine overheat prevention system.
- Fuel control dial.
- Adjustable PPC wrist control levers for arm, boom, bucket and swing.
- PPC control levers and pedals for steering and travel.
- Additional 2-way proportional service valve with hydraulic piping to boom foot.
- Hydrostatic, 3-speed travel system with automatic-shift and hydraulic travel and parking brakes.
- All-weather sound suppression type cab with tinted safety glass windows, pull-up type front window with locking device, removable lower window, ashtray, luggage box, floor mat
- Suspension seat with adjustable arm rests.
- Front window wiper with intermittent feature
- Large capacity heater and defroster
- Electrical horn
- Cigarette lighter
- Large handrails and rear-view mirrors
- Boom safety valves
- Overload warning device
- Fuel supply pump
- Remote greasing for swing circle and pins
- Lockable fuel cap and covers.
- Parts book and operator manual
- Track roller guards
- Radio pre-installation
- Track-Frame under-guards
- Sun blind Roller

## OPTIONAL EQUIPMENT

- 500, 600, 700, 800, 900 mm triple grouser track-shoes.
- 1-Piece boom.
- Hydraulically adjustable 2-Piece boom.
- Heated air suspension seat
- Travel alarm
- Radio cassette
- Heated air suspension seat
- 1.85, 2.25, 2.6, 2.9m arms.
- Additional hydraulic circuits.
- Arm safety valve.
- Bio oil.
- 4 function ppc levers
- Additional cab roof lights.
- Rain visor.
- Komatsu buckets.
- Air conditioner
- Roof window guard.
- See through roof

**KOMATSU**

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International N.V.**

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