

WHEELED EXCAVATOR SERIES PW130ES-6

**KOMATSU**



*The machine shown may vary according to territory specifications*

**active**

Designed and manufactured in Europe, for European preferences and needs, the (PW130ES-6) delivers the ultimate balance of productivity, reliability, and operator comfort, Komatsu's on-board, patented HydrauMind hydraulic system assists every operation with versatile machine performance criteria that's always perfectly matched to each task.

# HYDRAULIC EXCAVATOR PW130ES-6

**FLYWHEEL HORSEPOWER: 78 kW (105 HP / 106 PS)** at 2250 rpm

**BUCKET CAPACITIES: 0.20 ~ 1.14 m<sup>3</sup> SAE**

**WEIGHT RANGE: 12700 ~ 15100 kg**

# POWER S-6





Wheeled excavators need to be flexible, easy to use, and capable of travelling quickly and safely. From the sophisticated hydraulics of HydraMind to the performance of the transmission, the PW130ES-6 meets these requirements as one of the most advanced wheeled-excavators available today.

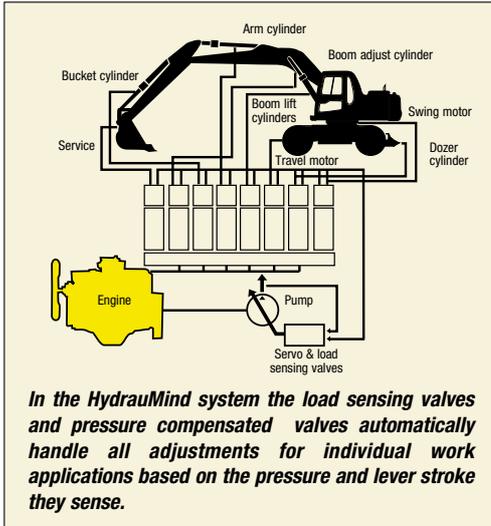
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**LIKE ALL DASH-6 WHEELED-EXCAVATORS,  
THE PW130ES-6 IS EQUIPPED WITH HYDRAUMIND,  
KOMATSU'S UNIQUE HYDRAULIC SYSTEM**

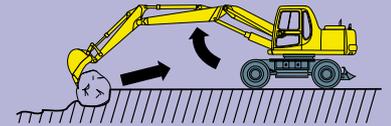


# What is HYDRAUMIND?

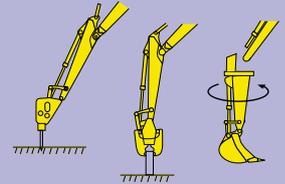


The PW130ES-6 is equipped with HydraMind, Komatsu's unique hydraulic system

HydraMind is one of the most sophisticated hydraulic systems currently available, and is unique to Komatsu. Komatsu hydraulics technology is truly world-class, with over 200 patents pending for HydraMind.



*Working through soft rock or pulling up boulders is easy because the system precisely controls boom raise, preventing the cutting edge from slipping.*



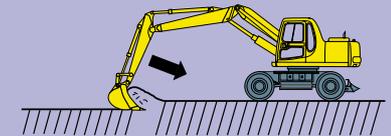
*The modular design concept of HydraMind makes it easy to add additional hydraulic circuits.*

## Benefits of the HYDRAUMIND

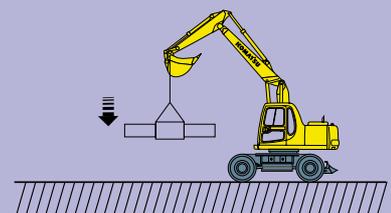
Power, versatility, manoeuvrability, controlability-you name it. Never has there been an excavator so easy to operate, so natural, so intuitive, so responsive.

**For example, when digging and the ground condition changes...** you don't have to think about changing lever strokes because HYDRAUMIND - instantly, silently and automatically sends just the right amount of oil to the actuators, at just the right pressure to accommodate the change.

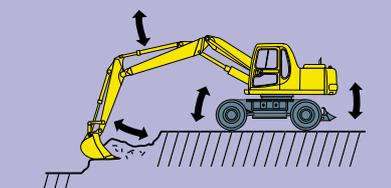
**When you move boom, arm and bucket at the same time...** all the equipment works naturally with the optimum combination of speed, and power as if it was a human hand.



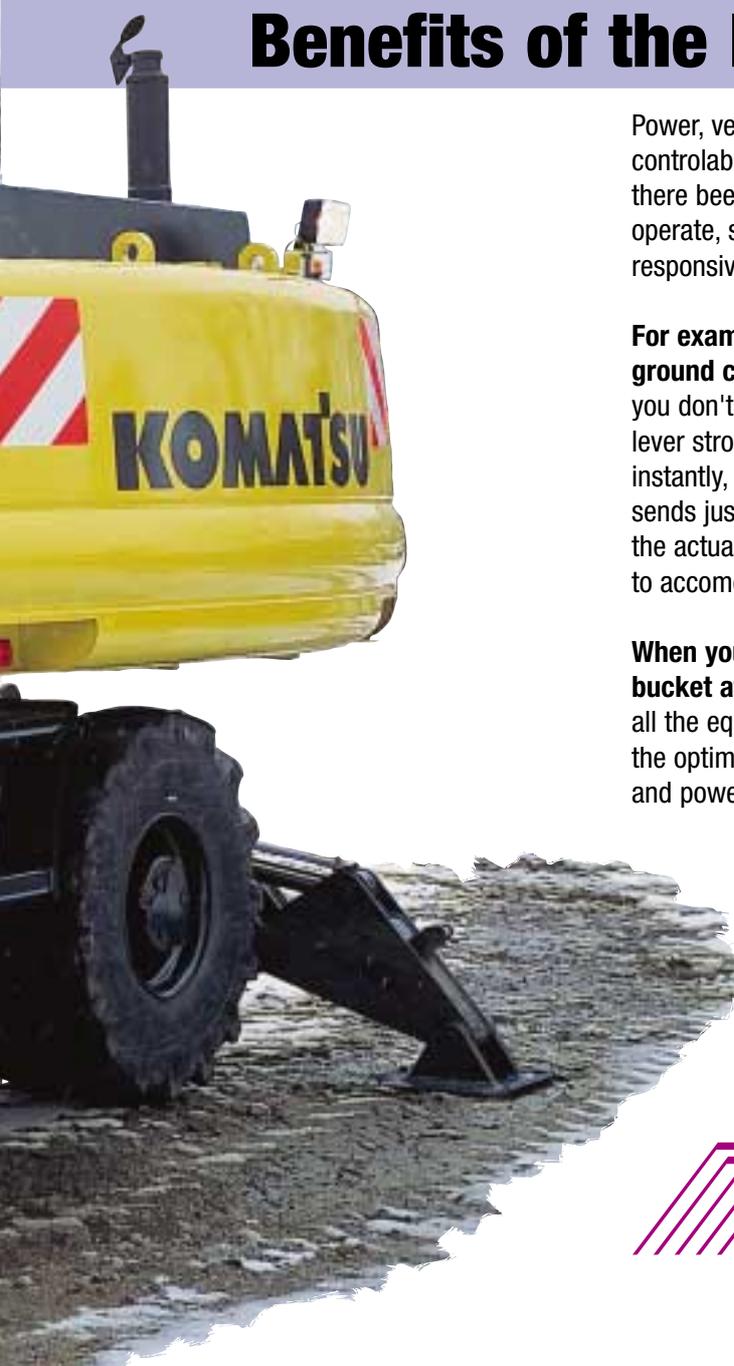
*Fully-loading buckets is easy, because during simultaneous operations the work equipment can move slowly under maximum power.*



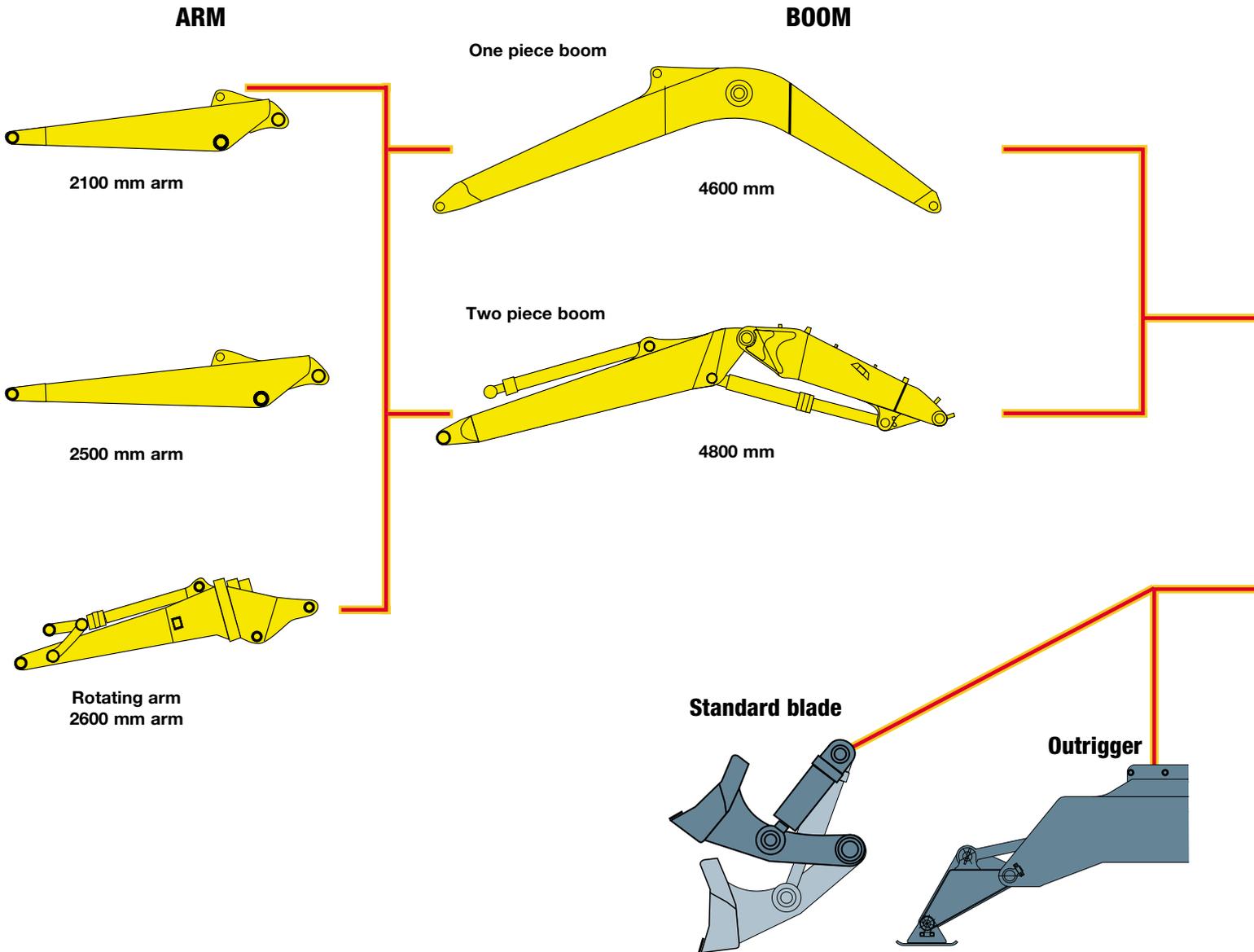
*Fine-controlling is easy because the system keeps work equipment speed at a steady constant no matter what size the load.*



*Chassis-shake is reduced during simultaneous operations because the work load causes no change in the work equipment speed.*



# FLEXIBILITY



## Additional hydraulic circuits

A 2-way additional hydraulic circuit, electrically controlled from the wrist control levers, is fitted as standard.

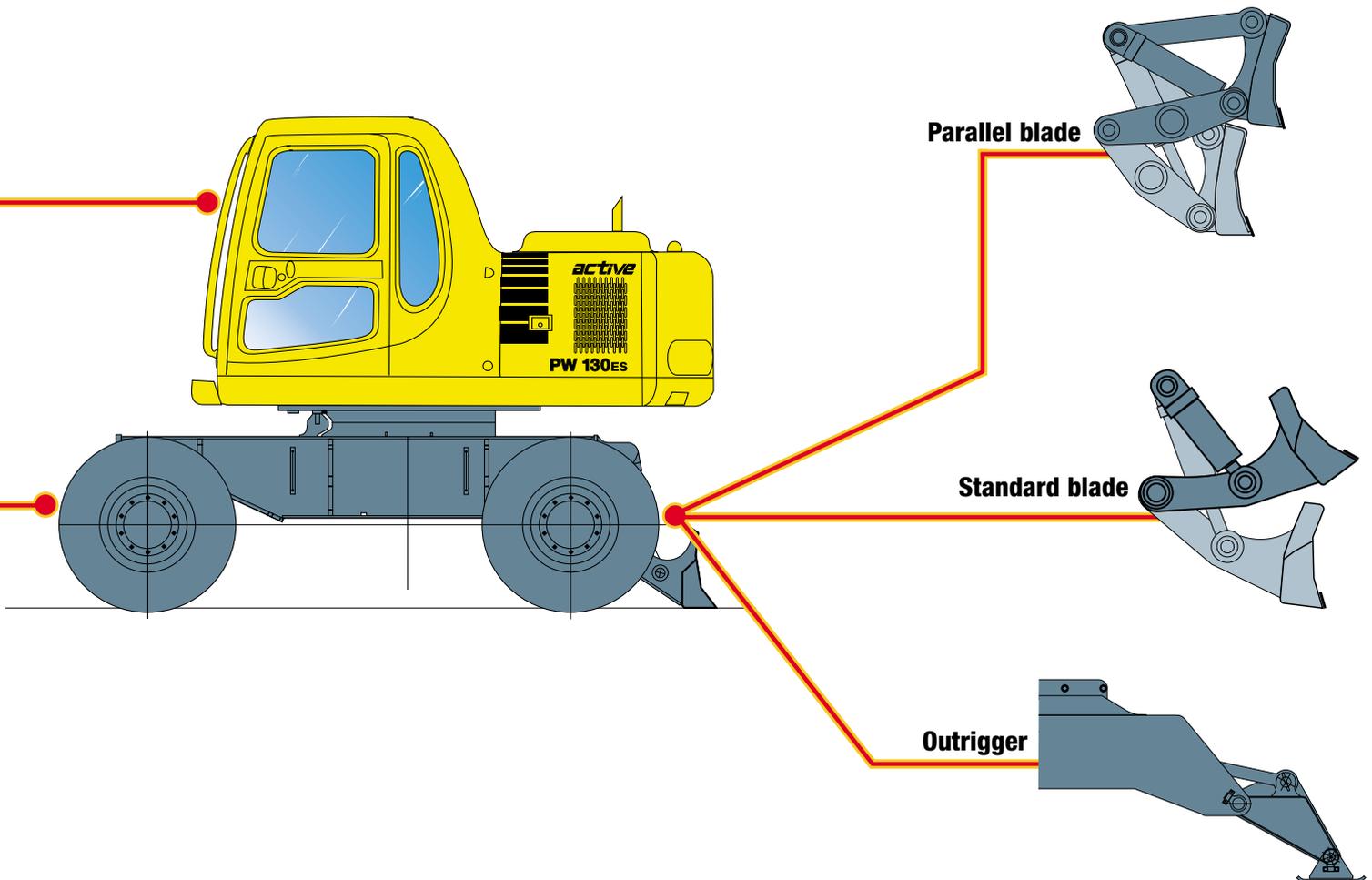


## Outriggers

Independently controlled outriggers are optionally available on both the front and rear of the machine. The cylinder protections are standard on the outriggers.



The PW130ES-6 can be specified with an enormous range of work-equipment and undercarriage attachments to meet the needs of almost any application.



### Toolbox

Tough, secure tool boxes, integrated in the mud guards are fitted on both sides of the undercarriage. An optional tool rack is available for both tool boxes.



### Dozer blade

A radial blade is available with standard cylinder protectors for both the front and rear of the machine. A parallel blade is also available as an option but only for the rear of the machine.



# 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.



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**

As well as operating the standard work equipment movements, the RH wrist control lever is also used to operate the undercarriage attachments. When used in conjunction with the selection switch on the control panel, full independent control of outriggers and dozer blade is immediately available. This feature, together with the automatic axle lock, enables the machine to be moved, stabilised and operated extremely quickly.

### **Clamshell / Breaker control**

Clockwise clamshell rotation. Also used for breaker operation when B.O. mode is selected.

### **Clamshell control**

Anti-clock wise clamshell rotation.



### **Boom control**

After operating the undercarriage attachments, a single touch reverts the lever into standard boom operation.

### **Undercarriage attachment control**

After a single touch, the lever can be used to precisely operate the selected undercarriage attachment.

From the consistent weighting of the steering to the predictable and precise operation of the travel and brake pedals, the operator will always feel in complete control during travelling. The forward and reverse control is now integrated into one pedal to facilitate positioning of the machine.



# COMFORT AND SAFETY

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 space and comfort

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



## Safe and easy cab access

Entering the cab could not have been made easier; wide steps are perfectly positioned in relation to the large handrails on both sides of the cab door. The tilting steering column and lifting wrist control console further aid access, and once seated the wheel can be firmly locked into any position.

## Ergonomic controls

All controls, from the light action wrist control levers to the adjustable monitor panel, have been designed with operator ergonomics in mind. Minor controls are easily visible and operated on the inclined control panel.



## Superb visibility

Excellent all-round visibility is provided by large panoramic windows. 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 standard 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.

## Flexible axle locking

The oscillating front axle has 3 operating modes, which can be selected from the right hand control panel:

### Free

The axle remains free during all operations.

### Automatic

The axle remains locked at rest and is automatically released when the travel pedal is depressed, providing quick, safe site operation.

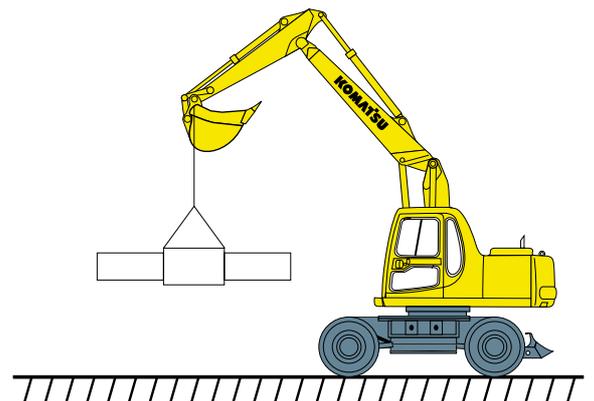
### Locked

The axle is permanently locked allowing loads to be safely carried during low-speed travel.



## Safe and precise lifting

The machine is equipped with boom safety valves and overload caution as standard. This, combined with the control of HydraMind and the power of the lifting mode, gives incredibly safe and precise lifting performance.



# SERVICEABILITY

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

## 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.



## Self-diagnostics

The monitor panel incorporates a sophisticated diagnostic system. If a serious fault develops the operator is warned immediately, whereas more minor problems are stored in the memory to be checked by service staff later. The memory can be extremely useful for service staff to diagnose intermittent problems. Diagnosis is further assisted by using the facility to display the operating condition of the machine, for example engine speed and pump pressures.

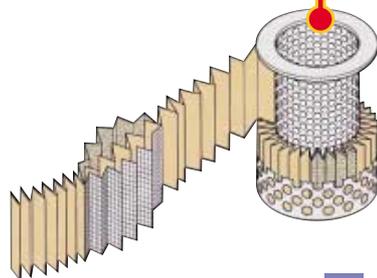


## Accessible service locations

The operator and service staff can safely climb onto the machine using the large handrails and access all service locations easily 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.

## 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.



## ENGINE

<b>Type</b>	4 cylinder, direct injection diesel, turbocharged and intercooled
<b>Model</b>	Komatsu S4D102E-1
<b>Power</b>	SAE J1349 (Gross) 82 kW (110 HP/112 PS) at 2250 rpm SAE J1349 (Net) 78 kW (105 HP/106 PS) at 2250 rpm
<b>Bore x stroke</b>	102 mm x 120 mm
<b>Piston displacement</b>	3.92 litre

## ELECTRICAL SYSTEM

<b>Alternator</b>	24 Volt - 45 ampere
<b>Batteries</b>	2 x 12 Volt - 95 Ah
<b>Starter motor</b>	24 Volt - 5.5 kW

## HYDRAULIC SYSTEMS

<b>Type</b>	HydrauMind. Closed-centre system with load sensing and pressure compensation valves
<b>Additional circuits</b>	Additional double-acting circuit fitted as standard. Depending on specification upto 2 additional circuits can be installed
<b>Main pump</b>	Variable displacement piston pump supplying boom, arm, bucket, swing and travel circuits
<b>Maximum pump flow</b>	236 litre/min
<b>Maximum pressures</b>	
<b>Standard</b>	325 kg/cm <sup>2</sup>
<b>Power Max</b>	355 kg/cm <sup>2</sup>
<b>Pilot circuit</b>	33 kg/cm <sup>2</sup>

## STEERING SYSTEM

<b>Type</b>	Hydraulically supplied from a separate gear pump and controlled through an orbitrol valve
<b>Maximum pressure</b>	150 kg/cm <sup>2</sup>
<b>Minimum turning radius</b>	7200 mm (to centre of outer wheel)

## TRANSMISSION

<b>Type</b>	Fully automatic transmission with permanent 4 wheel drive
<b>Travel motors</b>	2 variable displacement axial piston motors
<b>Maximum pressure</b>	355 kg/cm <sup>2</sup>
<b>Travel modes</b>	3 travel modes:
<b>Hi mode</b>	0 to 30.0 km/h
<b>Mi mode</b>	0 to 10.0 km/h
<b>Lo mode</b>	0 to 3.5 km/h

A maximum speed restriction of 20 km/h is available as an option

<b>Maximum tractive effort</b>	7300 kg (in medium and high mode) (30 km/h) 7080 kg (in medium and high mode) (20 km/h)
<b>Front axle static load</b>	27400 kg
<b>Rear axle static load</b>	33100 kg
<b>Axle oscillation</b>	7° Oscillation. Lockable in any position from the operator cab

## BRAKE SYSTEM

<b>Type</b>	Dual circuit hydraulic braking system supplied from a separate gear pump
<b>Service brakes</b>	Pedal actuated wet multi-disc brakes integrated into axle hubs
<b>Parking brake</b>	Electrically actuated wet multi-disc "pressure off" brake integrated into transmission
<b>Maximum pressure</b>	150 kg/cm <sup>2</sup>

## SWING SYSTEM

<b>Type</b>	Axial piston motor driving through planetary double reduction gearbox
<b>Swing lock</b>	Electrically actuated wet multi-disc brake integrated into swing drive. An additional mechanical pin can be engaged from inside the operator cab
<b>Swing speed</b>	0 to 12 rpm
<b>Maximum pressure</b>	325 kg/cm <sup>2</sup>

## ENVIRONMENT

<b>Noise levels</b>	
<b>LWA External noise</b>	99 dB(A) (95/27/EC - (dynamic value)
<b>LPA Operator ear noise</b>	75 dB(A) (95/27/EC - (dynamic value)

## SERVICE / REFILL CAPACITIES

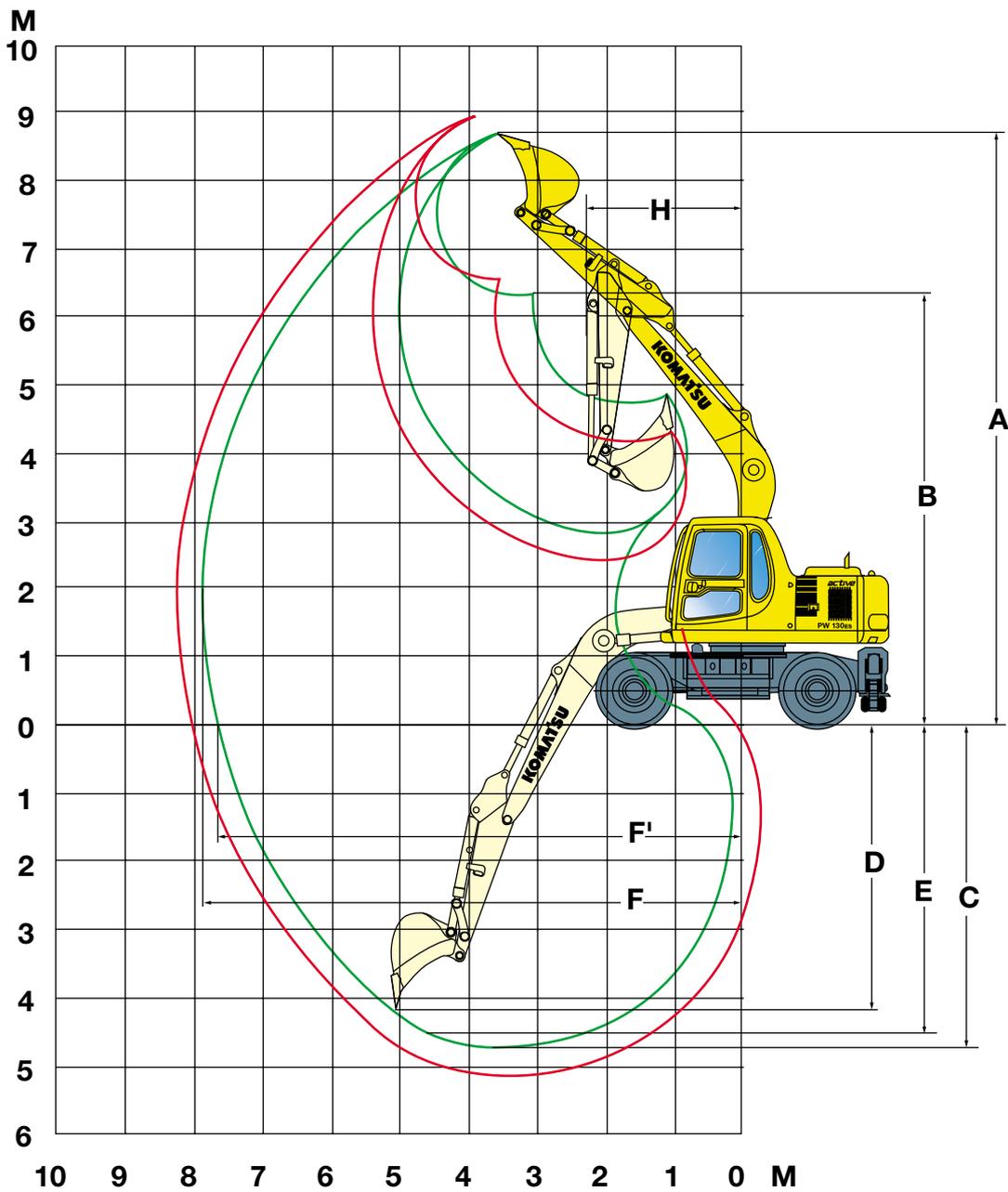
<b>Fuel tank</b>	250 ltr
<b>Radiator</b>	15.7 ltr
<b>Engine</b>	16 ltr
<b>Swing drive</b>	2.5 ltr
<b>Hydraulic tank</b>	100 ltr
<b>Transmission/clutch</b>	1.6 ltr
<b>Front differential</b>	15 ltr
<b>Rear differential</b>	20 ltr
<b>Front axle hub</b>	2.5 ltr
<b>Rear axle hub</b>	2.7 ltr

## OPERATING WEIGHT\*

<b>Arm length</b>	2.1 m
<b>Rotating arm length</b>	2.6 m

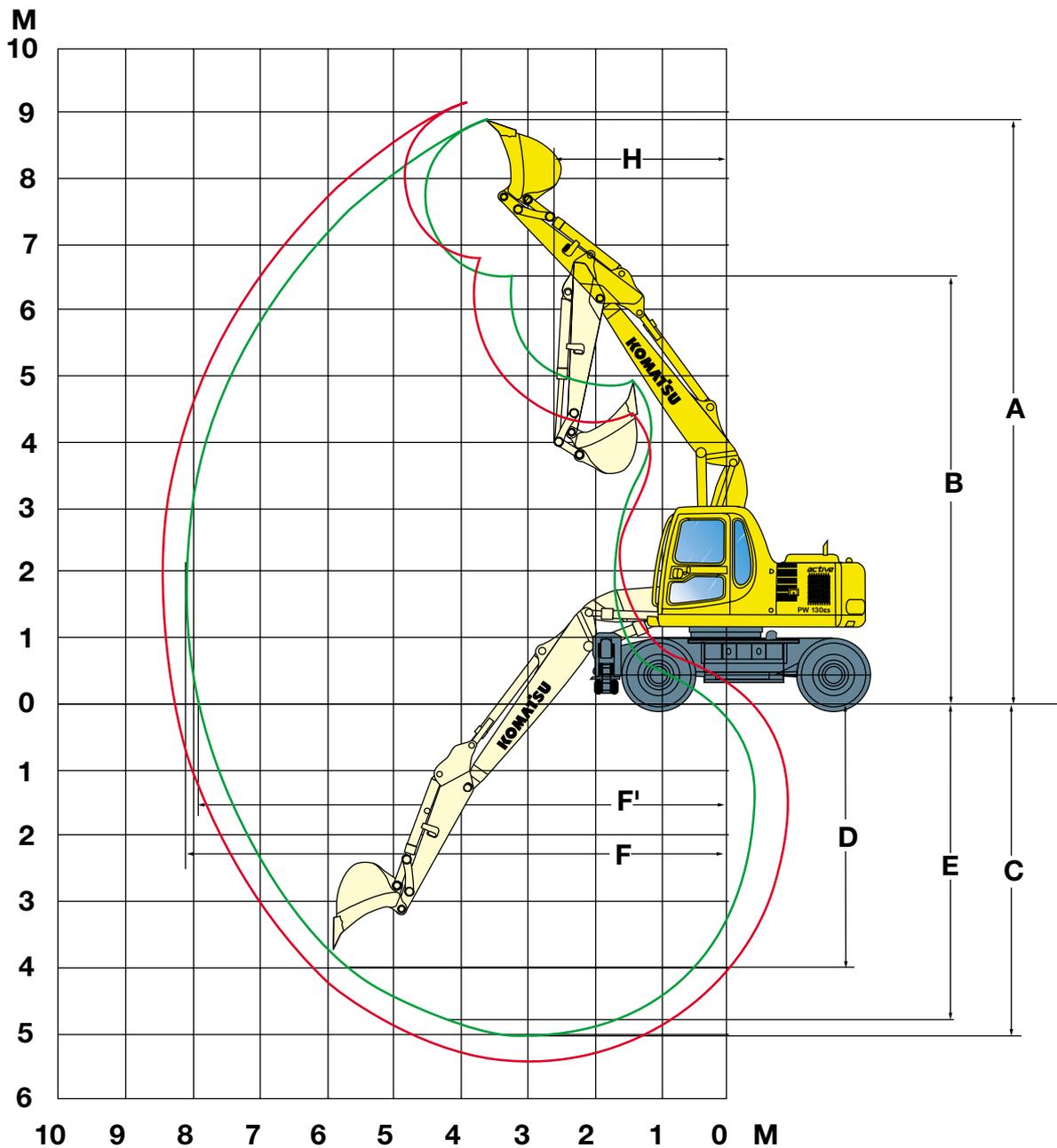
Undercarriage type	Operating weight 2-piece boom	Operating weight 1-piece boom	Operating weight rotating arm/2PB
Rear blade	13100 kg	12770 kg	—
Rear outrigger	13470 kg	13140 kg	—
Four outrigger	14290 kg	13960 kg	15110 kg
Front outrigger + blade	13920 kg	13590 kg	15000 kg

\* Operating weight without bucket.



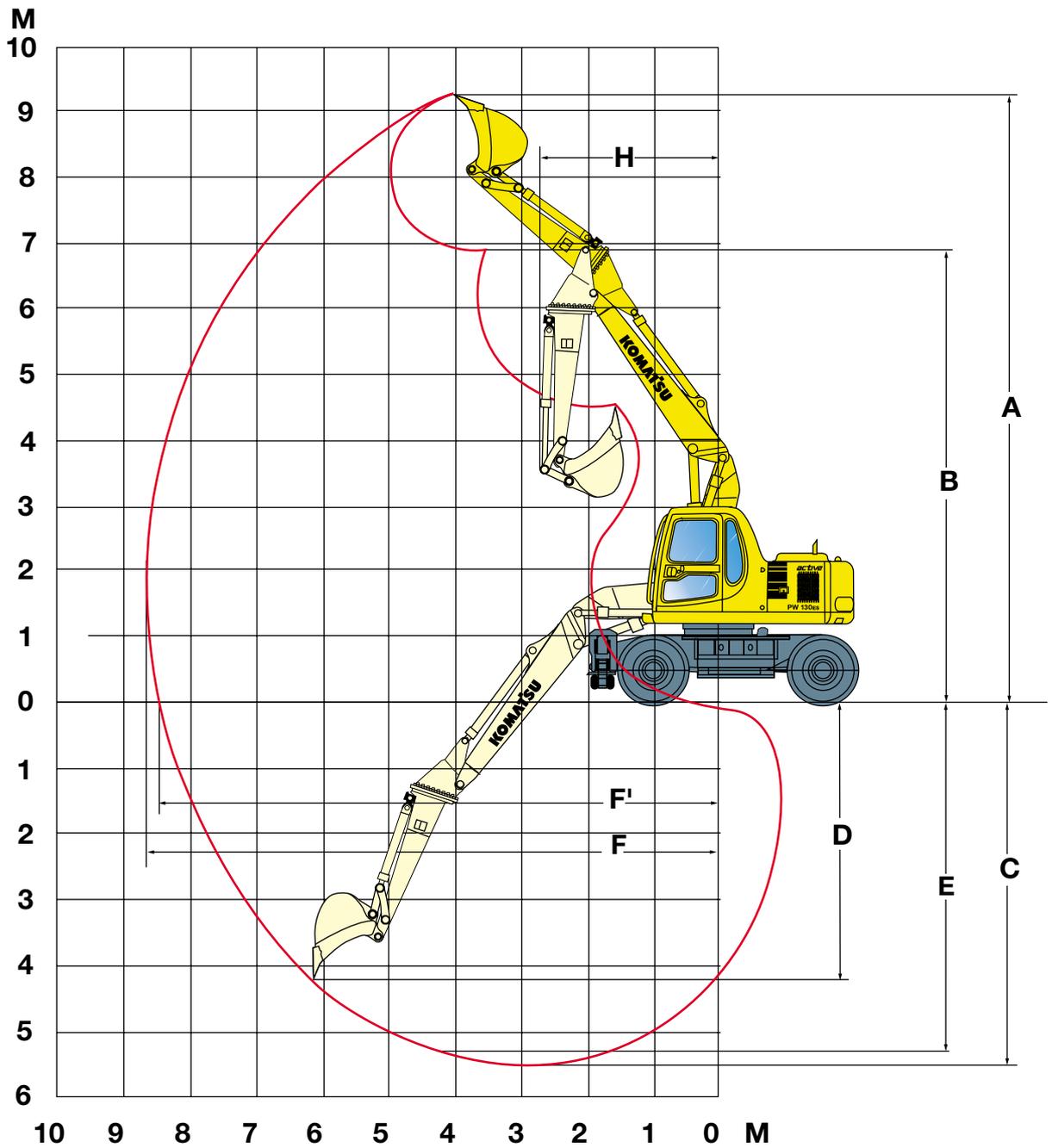
### ONE-PIECE BOOM

Arm length	2100 mm	2500 mm	
A	Max. digging height	8660 mm	8900 mm
B	Max. dumping height	6290 mm	6530 mm
C	Max. digging depth	4730 mm	5130 mm
D	Max. vertical wall digging depth	4175 mm	4560 mm
E	Max. digging depth of cut for 8° level	4495 mm	4925 mm
F	Max. digging reach	7895 mm	8265 mm
F'	Max. digging reach at ground level	7690 mm	8070 mm
H	Min. swing radius	2320 mm	2400 mm



### TWO-PIECE BOOM

		2100 mm	2500 mm
Arm length		2100 mm	2500 mm
A	Max. digging height	8930 mm	9190 mm
B	Max. dumping height	6540 mm	6905 mm
C	Max. digging depth	5010 mm	5410 mm
D	Max. vertical wall digging depth	3978 mm	4365 mm
E	Max. digging depth of cut for 8° level	4779 mm	5202 mm
F	Max. digging reach	8142 mm	8518 mm
F'	Max. digging reach at ground level	7945 mm	8331 mm
H	Min. swing radius	2605 mm	2650 mm



### TWO-PIECE BOOM + ROTATING ARM

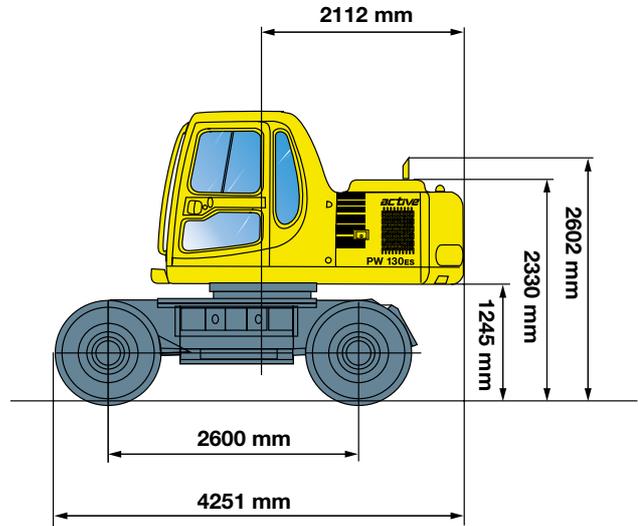
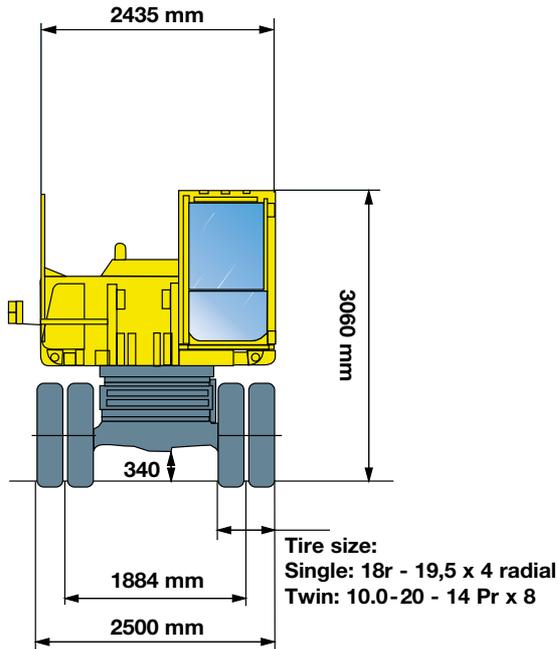
Arm length	2600 mm
A Max. digging height	9255 mm
B Max. dumping height	6880 mm
C Max. digging depth	5500 mm
D Max. vertical wall digging depth	4215 mm
E Max. digging depth of cut for 8° level	5295 mm
F Max. digging reach	8615 mm
F' Max. digging reach at ground level	8430 mm
H Min. swing radius	2675 mm

# DIMENSIONS & UNDERCARRIAGE

**PW130ES-6**

STD = Standard radial blade

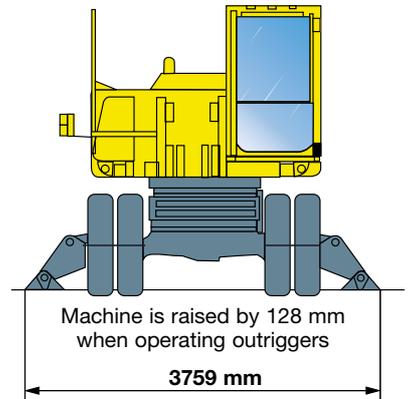
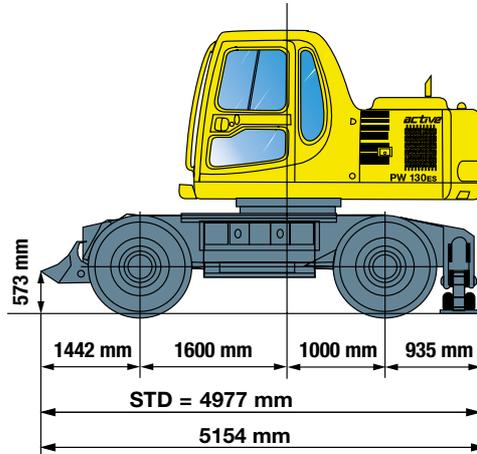
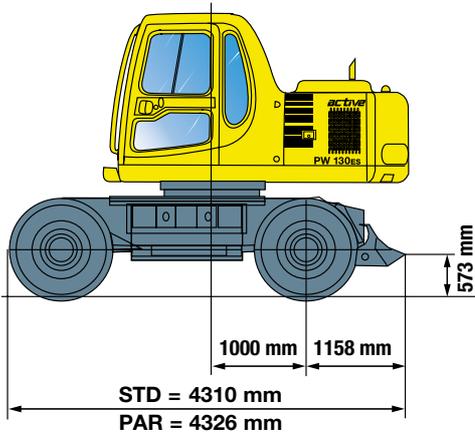
PAR = Parallel blade



**Rear blade**

**Front Blade / Rear outrigger**

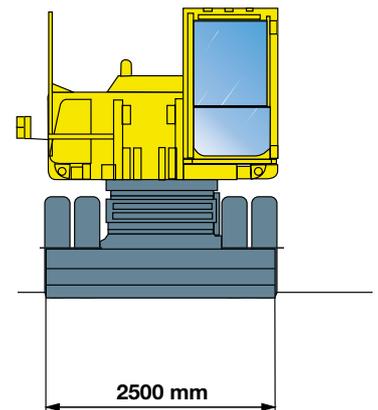
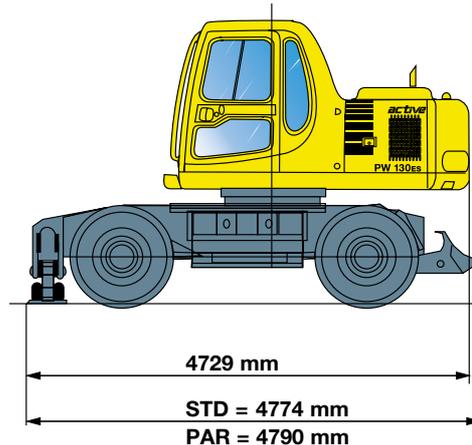
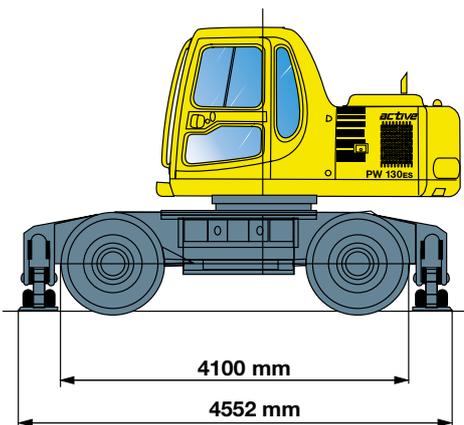
**Undercarriage with outriggers out**



**Four outriggers**

**Front outrigger**

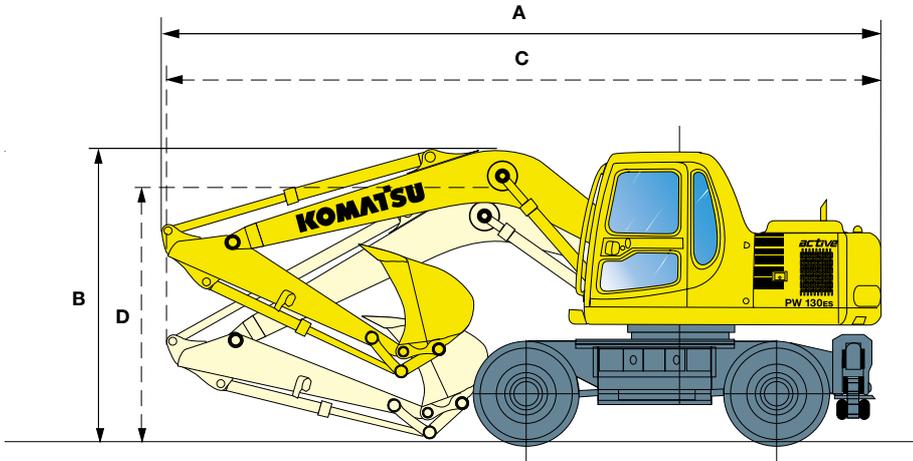
**Undercarriage with blade**



# TRANSPORTATION DIMENSIONS

**PW130ES-6**

## MONO BOOM

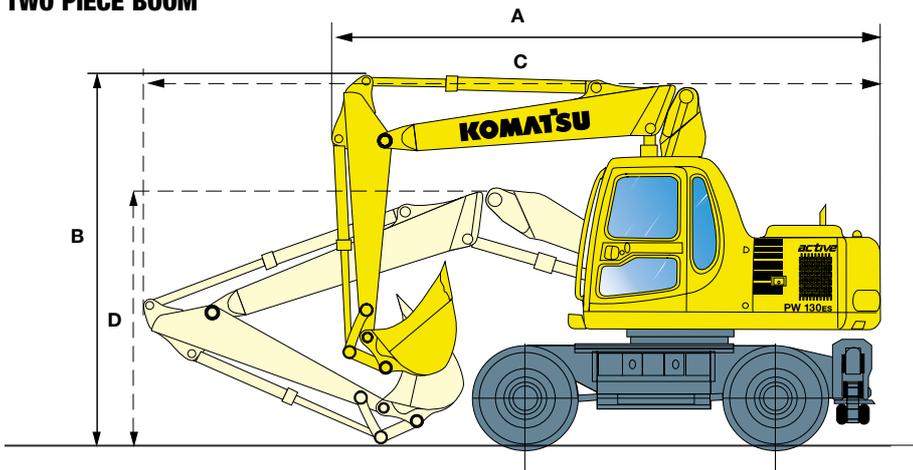


	DRIVING POSITION	TRANSPORT POSITION		
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ARM	A	B	C	D
2100	7590 mm	3055* mm	7540 mm	2835* mm
2500	7445 mm	3455* mm	7520 mm	3255* mm

\* Dimensions are to piping

## TWO PIECE BOOM

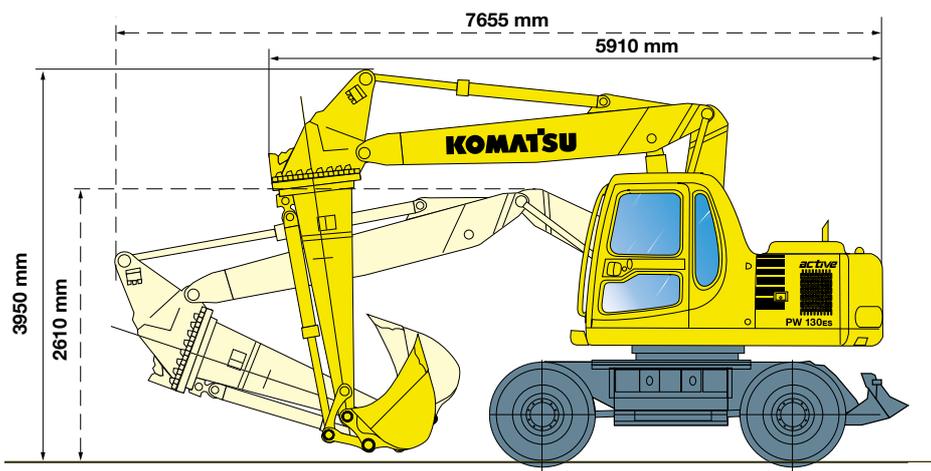


	DRIVING POSITION	TRANSPORT POSITION		
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ARM	A	B	C	D
2100	5731 mm	3945 mm	7777 mm	2785* mm
2500	5715 mm	3940 mm	7790 mm	2860* mm

\* Dimensions are to piping

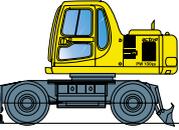
## TWO PIECE BOOM + ROTATING ARM



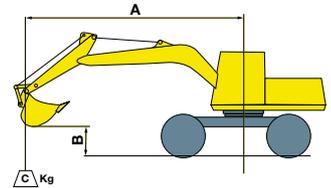
———— = Driving  
 - - - - - = Transport

# LIFTING CAPACITIES

**PW130ES-6**

Arm length	A	6.0 m		4.5 m		3.0 m		1.5 m	
		B		B		B		B	
		Rating over rear	Rating over side or 360 degrees	Rating over rear	Rating over side or 360 degrees	Rating over rear	Rating over side or 360 degrees	Rating over rear	Rating over side or 360 degrees
Without stabilizer 	7.5 m	kg	*2800	*2800					
	6.0 m	kg	*2300	1800		*3450	2750		
	4.5 m	kg	*2150	1350	3050	1600	*3800	2700	
	3.0 m	kg	*2200	1150	3000	1550	*4700	2500	*6750 4750
	1.5 m	kg	2200	1100	2900	1450	4650	2300	*7400 4200
	0.0 m	kg	2300	1100	2800	1400	4500	2150	*7550 3950
	-1.5 m	kg	2650	1300	2800	1350	4550	2100	*8950 3950 *5800 *5800
	-3.0 m	kg	3700	1850			4550	2200	*7200 4100
Rear outrigger 	7.5 m	kg	*2800	*2800					
	6.0 m	kg	*2300	*2300			*3450	*3450	
	4.5 m	kg	*2150	*2150	*3550	2450	*3800	*3800	
	3.0 m	kg	*2200	1850	*3700	2400	*4700	3900	*6750 *6750
	1.5 m	kg	*2350	1750	3600	2300	*5650	3650	*7400 7050
	0.0 m	kg	*2700	1850	3550	2250	5700	3500	*7550 6800
	-1.5 m	kg	3350	2150	3500	2250	5650	3450	*8950 6800 *5800 *5800
	-3.0 m	kg	*3850	2900			*4800	3550	*7200 6950
Rear blade 	7.5 m	kg	*2800	*2800					
	6.0 m	kg	*2300	2200			*3450	*3300	
	4.5 m	kg	*2150	1650	*3550	1950	*3800	3250	
	3.0 m	kg	*2200	1450	3850	1850	*4700	3050	*6750 5850
	1.5 m	kg	*2350	1350	3750	1800	*5650	2800	*7400 5250
	0.0 m	kg	*2700	1400	3650	1700	6000	2650	*7550 5000
	-1.5 m	kg	*3400	1650	3650	1700	5900	2650	*8950 5000 *5800 *5800
	-3.0 m	kg	*3850	2250			*4800	2700	*7200 5150
Front outrigger + rear blade 	7.5 m	kg	*2800	*2800					
	6.0 m	kg	*2300	*2300			*3450	*3450	
	4.5 m	kg	*2150	*2150	*3550	2950	*3800	*3800	
	3.0 m	kg	*2200	*2200	*3850	2900	*4700	*4700	*6750 *6750
	1.5 m	kg	*2350	2150	*4000	2800	*5650	4450	*7400 *7400
	0.0 m	kg	*2700	2250	3950	2700	*6150	4250	*7550 *7550
	-1.5 m	kg	*3400	2600	3900	2700	*6000	4200	*8950 8650 *5800 *5800
	-3.0 m	kg	*3850	3550			*4800	4300	*7200 *7200

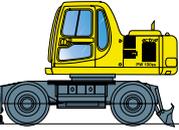
Arm length 2100 mm



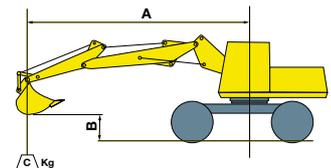
When removing bucket, linkage or cylinder, lifting capacities can be increased by their respective weights

- A - Reach from swing center
- B - Bucket hook height
- C - Lifting capacities, including bucket (462 kg), linkage (84 kg) and bucket cylinder (92 kg)

-  - Rating over rear
-  - Rating over side or 360 degrees
-  - Rating at maximum reach

Arm length	A	6.0 m		4.5 m		3.0 m		1.5 m	
		B		B		B		B	
		Rating over rear	Rating over side or 360 degrees	Rating over rear	Rating over side or 360 degrees	Rating over rear	Rating over side or 360 degrees	Rating over rear	Rating over side or 360 degrees
Without stabilizer 	7.5 m	kg	*2700	*2700					
	6.0 m	kg	*2200	1600			*3100	2750	
	4.5 m	kg	*2050	1200	3050	1650	*3550	2700	
	3.0 m	kg	*2050	1000	2950	1600	*4450	2450	*6700 4700
	1.5 m	kg	2050	950	2850	1500	4650	2250	
	0.0 m	kg	2100	1000	2750	1400	4450	2100	*5300 3850
	-1.5 m	kg	2400	1150	2750	1400	4400	2050	*8600 3900 *4550 *4550
	-3.0 m	kg	3250	1600			4500	2100	*7150 4000
Rear outrigger 	7.5 m	kg	*2700	*2700					
	6.0 m	kg	*2200	*2200			*3100	*3100	
	4.5 m	kg	*2050	1950	*3250	2450	*3550	*3550	
	3.0 m	kg	*2050	1700	*3600	2350	*4450	3850	*6700 *6700
	1.5 m	kg	*2150	1600	3600	2250	*5350	3600	
	0.0 m	kg	*2450	1700	3500	2200	5650	3450	*5300 *5300
	-1.5 m	kg	*2950	1900	3500	2150	5600	3400	*8600 6750 *4550 *4550
	-3.0 m	kg	*3500	2600			*4850	3450	*7150 6900
Rear blade 	7.5 m	kg	*2700	*2700					
	6.0 m	kg	*2200	1950			*3100	*3100	
	4.5 m	kg	*2050	1500	*3250	1900	*3350	3200	
	3.0 m	kg	*2050	1300	*3600	1850	*4450	3000	*6700 5800
	1.5 m	kg	2150	1200	3750	1750	5350	2750	
	0.0 m	kg	2450	1250	3650	1650	5850	2600	5300 4900
	-1.5 m	kg	2950	1450	3600	1650	5750	2550	8600 4950 4550 4550
	-3.0 m	kg	3500	1950			*4850	2600	7150 5050
Front outrigger + rear blade 	7.5 m	kg	*2700	*2700					
	6.0 m	kg	*2200	*2200			*3100	*3100	
	4.5 m	kg	*2050	*2050	*3250	2950	*3550	*3550	
	3.0 m	kg	*2050	*2050	*3600	2850	*4450	*4450	*6700 *6700
	1.5 m	kg	*2150	2000	*4000	2750	*5350	4400	
	0.0 m	kg	*2450	2050	3900	2700	*5850	4200	*5300 *5300
	-1.5 m	kg	*2950	2350	3900	2650	*5750	4150	*8600 8600 *4550 *4550
	-3.0 m	kg	*3500	3150			*4850	4250	*7150 *7150

Arm length 2100 mm



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

- A - Reach from swing center
- B - Bucket hook height
- C - Lifting capacities, including bucket (462 kg), linkage (84 kg) and bucket cylinder (92 kg)

-  - Rating over rear
-  - Rating over side or 360 degrees
-  - Rating at maximum reach

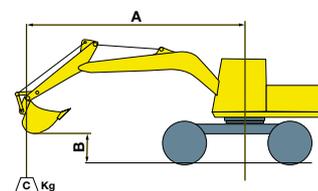
Notes: 1. Ratings are based on ISO 10567.  
2. Lifting capacities are given for a) 75% of tipping load  
b) rated hydraulic lift capacity 87% of max.  
3. Capacities marked with an asterisk (\*) are limited by hydraulic capacities.

# LIFTING CAPACITIES

# PW130ES-6

Arm length	A	⊗		6.0 m		4.5 m		3.0 m		1.5 m	
		B		⊗		⊗		⊗		⊗	
		⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Without stabilizer 	7.5 m	kg	*2200	*2200			*2500	*2500			
	6.0 m	kg	*1850	1600	*2000	1600					
	4.5 m	kg	*1750	1200	3100	1650	*3450	2750			
	3.0 m	kg	*1800	1050	3000	1550	*4400	2600	*6050	5000	
	1.5 m	kg	*1950	1000	2900	1500	4750	2350	*8650	4350	
	0.0 m	kg	2100	1000	2800	1400	4550	2200	*7950	4000	
	-1.5 m	kg	2400	1150	2800	1350	4450	2100	*9300	3950	*5250 *5250
	-3.0 m	kg	3150	1550			4450	2150	*7900	4050	*8800 *8800
Rear outrigger 	7.5 m	kg	*2200	*2200			*2500	*2500			
	6.0 m	kg	*1850	*1850	*2000	*2000					
	4.5 m	kg	*1750	*1750	*3300	2500	*3450	*3450			
	3.0 m	kg	*1800	1700	*3700	2450	*4400	3950	*6050	*6050	
	1.5 m	kg	*1950	1650	3650	2350	*5400	3700	*8650	7250	
	0.0 m	kg	*2200	1700	3550	2250	5750	3550	*7950	6850	
	-1.5 m	kg	*2750	1900	3500	2250	5650	3450	*9300	6800	*5250 *5250
	-3.0 m	kg	*3750	2500			*5250	3450	*7900	6900	*8800 *8800
Rear blade 	7.5 m	kg	*2200	*2200			*2500	*2500			
	6.0 m	kg	*1850	*1850	*2000	1950					
	4.5 m	kg	*1750	1500	*3300	2000	*3450	*3300			
	3.0 m	kg	*1800	1300	*3700	1900	*4400	3100	*6050	*6050	
	1.5 m	kg	*1950	1250	3800	1800	*5400	2900	*8650	5400	
	0.0 m	kg	*2200	1300	3700	1750	6000	2700	*7950	5050	
	-1.5 m	kg	*2750	1450	3650	1700	5950	2650	*9300	5000	*5250 *5250
	-3.0 m	kg	*3750	1950			*5250	2650	*7900	5100	*8800 *8800
Front outrigger + rear blade 	7.5 m	kg	*2200	*2200			*2500	*2500			
	6.0 m	kg	*1850	*1850	*2000	*2000					
	4.5 m	kg	*1750	*1750	*3300	3000	*3450	*3450			
	3.0 m	kg	*1800	*1800	*3700	2950	*4400	*4400	*6050	*6050	
	1.5 m	kg	*1950	*1950	4050	2800	*5400	4500	*8650	*8650	
	0.0 m	kg	*2200	2050	3950	2750	*6050	4300	*7950	*7950	
	-1.5 m	kg	*2750	2350	3900	2700	*6100	4250	*9300	8650	*5250 *5250
	-3.0 m	kg	*3750	3050			*5250	4250	*7900	*7900	*8800 *8800

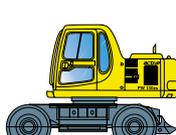
Arm length 2500 mm



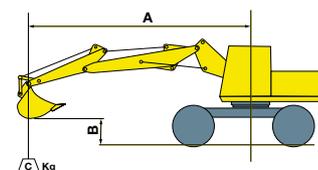
When removing bucket, linkage or cylinder, lifting capacities can be increased by their respective weights

- A – Reach from swing center
- B – Bucket hook height
- C – Lifting capacities, including bucket (462 kg), linkage (84 kg) and bucket cylinder (92 kg)

- ⊗ – Rating over rear
- ⊗ – Rating over side or 360 degrees
- ⊗ – Rating at maximum reach

Without stabilizer 	7.5 m	kg	*2100	*2100			*3000	2750			
	6.0 m	kg	*1800	1400	*2900	1600					
	4.5 m	kg	*1650	1100	*3000	1600	*3200	2750			
	3.0 m	kg	*1650	950	3000	1550	*4150	2550	*5900	4950	
	1.5 m	kg	*1750	850	2900	1450	4700	2300	6300	4200	
	0.0 m	kg	1950	900	2800	1350	4500	2100	5700	3900	
	-1.5 m	kg	2200	1050	2750	1300	4400	2050	*8450	3850	*4200 *4200
	-3.0 m	kg	2800	1350			4450	2100	*7750	3950	
Rear outrigger 	7.5 m	kg	*2100	*2100			*3000	*3000			
	6.0 m	kg	*1800	*1800	*2900	2500					
	4.5 m	kg	*1650	*1650	*3000	2500	*3200	*3200			
	3.0 m	kg	*1650	1550	*3400	2400	*4150	3950	*5900	*5900	
	1.5 m	kg	*1750	1500	3650	2300	*5150	3650	*6300	*6300	
	0.0 m	kg	*2000	1550	3500	2200	5700	3450	*5700	*5700	
	-1.5 m	kg	*2400	1750	3500	2150	5600	3400	*8450	6750	*4200 *4200
	-3.0 m	kg	*3300	2250			*5200	3450	*7750	8650	
Rear blade 	7.5 m	kg	*2100	*2100			*3000	*3000			
	6.0 m	kg	*1800	1700	*2900	1950					
	4.5 m	kg	*1650	1350	*3000	1950	*3200	*3200			
	3.0 m	kg	*1650	1200	*3400	1900	*4150	3100	*5900	*5900	
	1.5 m	kg	*1750	1100	3750	1750	*5150	2800	*6300	5300	
	0.0 m	kg	*2000	1150	3650	1700	*5800	2650	*5700	4950	
	-1.5 m	kg	*2400	1300	3600	1650	*5850	2550	*8450	4900	
	-3.0 m	kg	*3300	1700			*5200	2600	*7750	5000	
Front outrigger + rear blade 	7.5 m	kg	*2100	*2100			*2900	*2900			
	6.0 m	kg	*1800	*1800			*2900	*2900			
	4.5 m	kg	*1650	*1650	*3000	3000	*3200	*3200			
	3.0 m	kg	*1650	*1650	*3400	2900	*4150	*4150	*5900	*5900	
	1.5 m	kg	*1750	*1750	*3850	2800	*5150	4450	*6300	*6300	
	0.0 m	kg	*2000	1900	3900	2700	*5800	4250	*5700	*5700	
	-1.5 m	kg	*2400	2150	3900	2650	*5850	4200	*8450	*8450	*4200 *4200
	-3.0 m	kg	*3300	2700							

Arm length 2500 mm



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

- A – Reach from swing center
- B – Bucket hook height
- C – Lifting capacities, including bucket (462 kg), linkage (84 kg) and bucket cylinder (92 kg)

- ⊗ – Rating over rear
- ⊗ – Rating over side or 360 degrees
- ⊗ – Rating at maximum reach

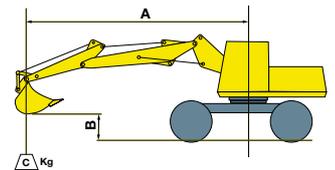
- Notes:
- Ratings are based on ISO 10567.
  - Lifting capacities are given for a) 75% of tipping load  
b) rated hydraulic lift capacity 87% of max.
  - Capacities marked with an asterisk (\*) are limited by hydraulic capacities.

# LIFTING CAPACITIES

PW130ES-6

Arm length	A	7.5 m		6.0 m		4.5 m		3.0 m		1.5 m			
		⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙		
<b>ROTATING ARM</b> 	Front outrigger + rear blade	7.5 m kg	*1950	*1950									
	6.0 m kg	*1600	*1600		*2600	*2600							
	4.5 m kg	*1500	*1500		*2650	*2650	*2850	*2850					
	3.0 m kg	*1500	*1500	*2300	1700	*3000	2650	*3700	*3700	*5300	*5300		
	1.5 m kg	*1600	1550	2550	1650	*3450	2500	*4600	4050	*6850	*6850		
	0.0 m kg	*1750	1600	*2200	1600	3600	2350	*5250	3800	*5700	*5700		
	-1.5 m kg	*2100	1800			3550	2300	*5300	3700	*8250	7750	*4000	*4000
	-3.0 m kg	*2900	2350			*3100	2400	*4750	3750	*7150	*7150	*7200	*7200
<b>ROTATING ARM</b> 	Front + rear outrigger	7.5 m kg	*1950	*1950									
	6.0 m kg	*1600	*1600		*2600	*2600							
	4.5 m kg	*1500	*1500		*2650	*2650	*2850	*2850					
	3.0 m kg	*1500	*1500	*2300	*2300	*3000	*3000	*3700	*3700	*5300	*5300		
	1.5 m kg	*1600	*1600	2400	2300	*3450	3400	*4600	*4600	*6850	*6850		
	0.0 m kg	*1750	*1750	*2200	*2200	3450	2350	*5250	*5250	*5700	*5700		
	-1.5 m kg	*2100	*2100			3550	2300	*5300	5200	*8250	*8250	*4000	*4000
	-3.0 m kg	*2900	*2900			*3100	*3100	*4750	*4750	*7150	*7150	*7200	*7200

## Rotating Arm 2600 mm



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

## BUCKET AND ARM COMBINATION

Bucket capacity (heaped)		Width without side cutters	Weight	Max. density (tonne/m <sup>3</sup> )		
SAE, PCSA	CECE			2.1 m arm	2.5 m arm	Rotating arm
0.20	0.19	400	270	○	○	○
0.27	0.25	450	300	○	○	○
0.41	0.37	600	420	○	○	○
0.48	0.44	700	445	○	○	○
0.55	0.50	800	460	○	○	○
0.62	0.57	900	495	○	○	□
0.69	0.63	1000	530	○	○	□
0.76	0.69	1100	550	○	□	△
0.83	0.76	1200	575	□	□	△
0.90	0.82	1300	605	□	□	-
0.97	0.89	1400	630	□	△	-
1.14	1.04	1400	675	△	-	-

A wide variety of buckets & attachments is available. Contact your local dealer for more information.

○ : 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>  
 - : do not use

## BUCKET AND ARM FORCE

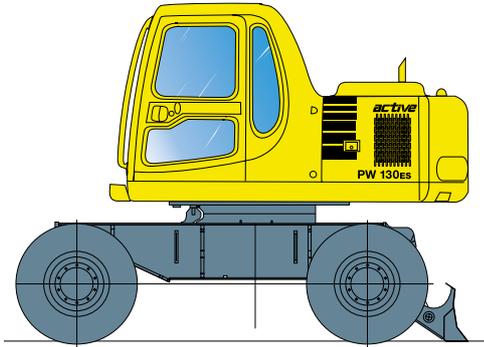
Arm length	2100 mm	2500 mm	Rotating arm
Bucket Force	7800 kg	7800 kg	7800 kg
Bucket Force, 'Power max'	8500 kg	8500 kg	8500 kg
Arm Force	6700 kg	5600 kg	5400 kg
Arm Force, 'Power Max'	7300 kg	6100 kg	5900 kg

# COMPONENTS DIMENSIONS AND WEIGHTS

## PW130ES-6

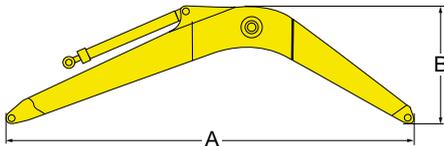
(APPROXIMATE WEIGHTS)

### BASIC MACHINE



Tyre size	Weight			
	Rear blade	Rear outrigger	Rear blade + front outrigger	Front + rear outrigger
10.00 - 20 16 PR x 8	11000 kg	11400 kg	11500 kg	11900 kg

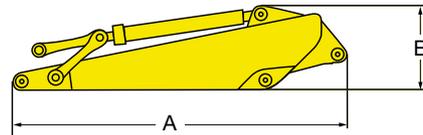
### MONOBLOCK BOOM WITH ARM CYLINDER



A	B	Weight
4738 mm	1284 mm	973 kg

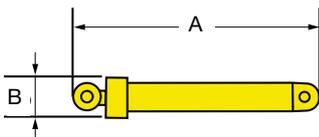
(includes arm cylinder)

### ARM WITH BUCKET CYLINDER AND LINKAGE



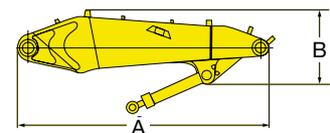
Arm length	2100 mm	2500 mm	Rotating arm
<b>A</b>	2850 mm	3251 mm	3310 mm
<b>B</b>	644 mm	593 mm	805 mm
<b>Weight</b>	375 kg	416 kg	1095 kg

### BOOM CYLINDER



size	Two piece boom		Monoblock
	first boom	second boom	
<b>A</b>	1500 mm	1125 mm	1500 mm
<b>B</b>	162 mm	207 mm	162 mm
<b>Weight</b>	113 kg (x2)	102 kg	114 kg (x2)

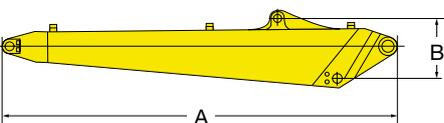
### FIRST BOOM



A	B	Weight
2125 mm	582 mm	487 kg

(includes boom adjust cylinder)

### SECOND BOOM WITH ARM CYLINDER

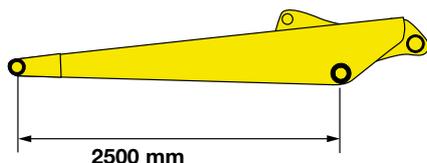
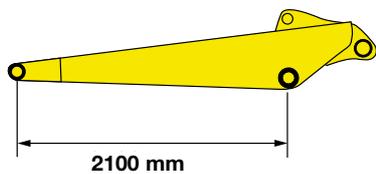


A	B	Weight
3378 mm	667 mm	627 kg

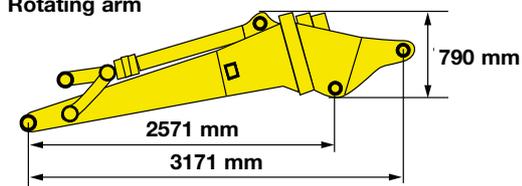
(includes arm cylinder)

Specifications and equipments may vary according to regional availability

### ARM

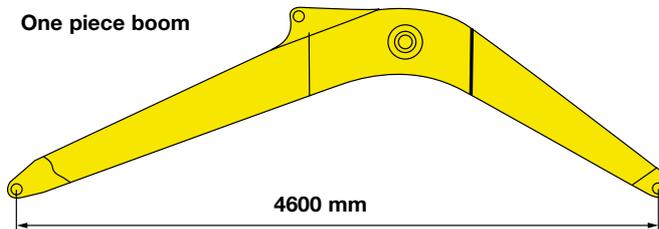


### Rotating arm

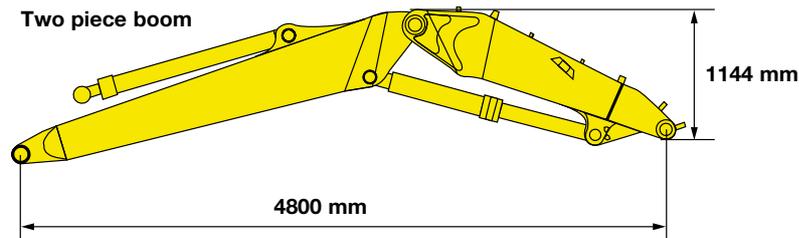


### BOOM

#### One piece boom



#### Two piece boom



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.

### Komatsu quick-coupler features:



- Buckets do not need to be modified.
- Komatsu Warranty.
- Hydraulic or manual.

### Komatsu bucket features:



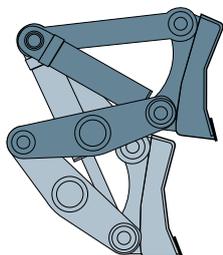
- General purpose. Heavy Duty and Rock version available.
- Special buckets available on request.
- Komatsu Warranty.

A full range of Komatsu wear parts is available.

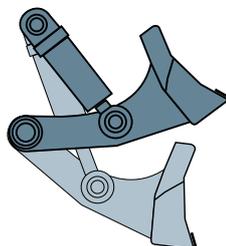


A wide range of attachments is available. Please consult your distributor for details of the full range.

### Parallel blade



### Standard blade



	Standard blade	Parallel blade
<b>Length</b>	2483 mm	2483 mm
<b>Height</b>	501 mm	597 mm

# HYDRAULIC WHEELED EXCAVATOR PW130ES-6



## STANDARD EQUIPMENT

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

- Additional Hydraulic circuit suitable for breaker and clamshell (HCU)
- Air cleaner, double element type with auto dust evacuator and dust indicator
- Alternator, 24 volt, 45 Amp.
- Auto decelerator
- Automatic engine warm-up system
- Automatic de aeration for fuel line
- Batteries (2 x 12 volt, 95 Ah)
- Boom cylinder safety valve
- Cab: all-weather sound suppression type with safety glass windows, pull-up type front window with lock device, removable lower windshield, lockable door, floor mat, windshield wiper with intermittent feature, cigarette lighter and ashtray
- Control levers (adjustable wrist control with PPC system)
- Cooling fan: suction
- Drive system: hydrostatic
- Dual circuit hydraulic brakes with wet multi disc service brakes
- Engine key stop
- Engine: S4D102E emissionised turbo charged diesel engine
- Fuel control dial
- Fully adjustable suspension seat
- Fully auto, 3 speed transmission
- General toolkit
- Hydraulic multidisc parking brake incorporated into transmission
- New designed twin toolbox
- Stereo radio-cassette prep.
- Engine overheat prevention system
- Heater
- Refueling pump
- Rain visor
- Horn, electric
- Hydraulics: Pump & Engine Mutual Control System (PEMC) and Electronic HydraulMind)
- Instrument panel: Electronic Monitor and Control Console
- Overload warning device
- Orbitoe type hydraulic
- Power Max and Swift slow down function
- Radiator & oil cooler with dust net
- Rearview mirrors (RH & LH)
- See through roof
- Starting motor: 24 volt, 5.5 kW direct electric
- Steering acting on front wheels
- Vandalism protection locks
- 5 Working mode selection system

## OPTIONAL EQUIPMENT

- Additional RH boom working lamp
- Air conditioning
- Arm cylinder safety valve
- Bio degradable oil
- Cold weather battery (120 Ah)
- Clamshell grip
- Engine room lamp
- Five extinguisher
- Hydraulic or mechanic quick coupler
- Adjust cylinder safety valve
- Front or rear radial blade
- Front-rear outriggers
- Heated air suspension seat
- Lower wiper
- Mono boom
- Offset boom
- Rear parallel blade
- Rotating arm
- Rotating beacon preparation
- Single wide tyres (18R 19,5 x 4)
- Long tool rack
- Transmission guard
- Two piece boom
- Wide range of Komatsu buckets
- 2,1 and 2,5 arm
- 2 or 4 outriggers

**KOMATSU**

**Komatsu Europe  
International N.V.**

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