

KOMATSU

PW75MR-5

PRELIMINARY



Midi-excavator

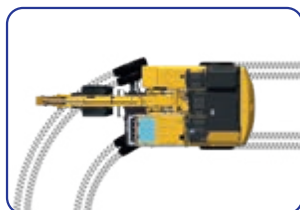
Engine power
49 kW / 65.7 HP @ 2300 rpm

Operating weight
6750 - 8060 kg

Bucket capacity
max. 0.20 m³

PW75MR-5

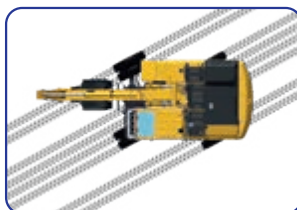
Standard four-wheel steering configuration



Two-wheel steering



Four-wheel steering



Crab steering



Engine power
49 kW / 65.7 HP @ 2300 rpm

Operating weight
6750 - 8060 kg

Bucket capacity
max. 0.20 m³

The next generation of midi wheeled excavators

Total versatility

- Set up for work instantly with an axle oscillation lock that simplifies operation
- Excellent traction on muddy ground with axle differential locks
- Maintain flawless, high-precision attachment controllability, even while driving, thanks to a dedicated, independent travel system pump
- Effortlessly manage multiple attachments with intuitive Tool Control integrated into both auxiliary hydraulic lines (option)
- Preparation for tilt rotator implementation

A safe investment

- At just 7500 kg the machine can be quickly moved between jobsites on a 10-tonne trailer
- High information amount provided by Komtrax controller TC830 integrating mini and PW information
- Easy maintenance thanks to ground-level filter and engine access
- The refuelling pump enables fast, convenient refuelling

First-class operator comfort

- Newly designed cab with improved controls and driving layout for easier operation
- High-definition 7-inch touchscreen with intuitive navigation and support for 26 languages.
- New slow speed control ensures smooth manoeuvring and precise machine positioning
- Premium comfort operator seat (option)
- DAB+ radio with Bluetooth®
- Cruise control

Performance & agility

- Best-in-class turning radius thanks to the standard four-wheel steering system
- With an overall width of just 2080 mm and a short tail radius, the machine is ideal for narrow urban jobsites
- Continuous HST travel is provided by a single-ratio hydrostatic transmission, delivering smooth uphill travel at maximum speed with no manual gear changes
- Powerful and low consumption EU Stage V engine

Safety first

- Premium full LED working lamp package
- Standard rear-view camera system
- Colored steps and handrails
- Lock lever auto lock function
- Seat belt caution & engine shutdown switch

Specifications PW75MR-5E0

Engine

Model	Komatsu SAA4D98E-6
Type	Common rail direct injection, water-cooled, emissionised, cooled EGR diesel
Engine power	
at rated engine speed	2300 rpm
ISO 14396	49 kW / 65.7 HP
No. of cylinders	4
Bore × stroke	98 × 110 mm
Displacement	3.3 l
Max. torque / engine speed	239 Nm / 1550 rpm
Air filter type	Dry air filter with pre-filter and safety cartridge
Fuel	Diesel fuel, conforming to EN590 Class 2/ Grade D. Paraffinic fuel capability (HVO, GTL, BTL), conforming to EN 15940:2016

Transmission

Hydrostatic transmission with 4 driving wheels. Single-ratio efficiency high-displacement motor (17.8-126.4 cc/rev)	
Max. drawbar pull	3925 daN (4000 kg)
Max. travel speeds	0 - 30 km/h

Axles

Driving and steering axles with epicyclic reduction gears in the hubs. The oscillation of the front axle can be blocked by means of two hydraulic pistons.	
Tyres	
Twin tyres (standard)	245/70 R19.5
Single tyres (option)	425/40 B17

Brakes

Type	Hydraulically controlled, with pedal, by means of two double circuit pumps, acting on oil immersed multiple discs on the four wheels
Service brakes	Hydraulically controlled by means of a pedal, acting on the four wheels

Cab

Sound-proof cab, provided with safety glasses, liftable windscreen, roof window, hinged door with lock, windscreen-wiper, electric horn, adjustable seat, control system and instrumentation, adjustable PPC joysticks, outside air inlet.	
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Hydraulic system

Type	Closed-centre system with load sensing and pressure compensation valves
Main pumps	
Pump for	Boom, arm, bucket, boom swing, swing, stabilisers, blade and attachments
Type	Variable displacement, axial piston
Max. flow	138 l/min
Pump for	Travelling
Type	Variable displacement, axial piston
Max. flow	130 l/min
Pump for	Steering
Type	Fixed displacement gear pump
Max. flow	25 l/min
Hydraulic motors	
Travel	1 × piston motor, variable displacement
Swing	1 × piston motor with swing holding brake
Relief valve setting	
Swing	22.6 MPa (230 kg/cm ²)
Work equipment	26.5 MPa (270 kg/cm ²)
Bucket breakout force (ISO 6015)	41.2 kN (4200 kgf)
Arm crowd force 1640 mm arm (ISO 6015)	28.3 kN (2885 kgf)

Steering

Hydraulically operated steering system that acts on the front and rear wheels by means of double rod hydraulic cylinders in the axles. The operator can select three kinds of steering by means of an electric switch.

Two steering wheels	
Four steering wheels	
Crab steering	
Steering radius	
Two steering wheels	6000 mm
Four steering wheels	3300 mm

Swing system

Driven by	Hydraulic motor
Swing reduction gear	Double epicyclic reduction
Swing circle lubrication	Grease-bathed
Swing brakes	Automatic, with oil immersed disks
Swing speed	8 rpm

Service refill capacities

Fuel tank	115 l
Cooling system	12 l
Engine oil	9 l
Differential (each axle)	7.5 l
Swing drive	2.6 l

Environment

Engine emissions	Fully complies with EU Stage V exhaust emission regulations
Noise levels	
LwA external	99 dB(A) (2000/14/EC Stage II)
LpA operator ear	75 dB(A) (ISO 6396 dynamic test)
Vibration levels (EN 12096:1997)	
Hand/arm	$\leq 2.5 \text{ m/s}^2$ (uncertainty K = 1.2 m/s ²)
Body	$\leq 0.5 \text{ m/s}^2$ (uncertainty K = 0.2 m/s ²)
Contains fluorinated greenhouse gas HFC-134a (GWP 1430). Quantity of gas 0.6 kg; CO ₂ equivalent 0.858 t	

Operating weight (appr.)

Undercarriage attachment type	Mono boom	Two-piece boom
Without	6750 kg	6940 kg
Front blade + rear stabilisers	7465 kg	7660 kg
4 stabilisers	7350 kg	7545 kg
Rear stabilisers	6990 kg	7180 kg
Front blade	7205 kg	7400 kg
Rear blade	7105 kg	7295 kg

Operating weight with 1640 mm arm, twin tyres, without fenders, four-wheel steering, HCU/C

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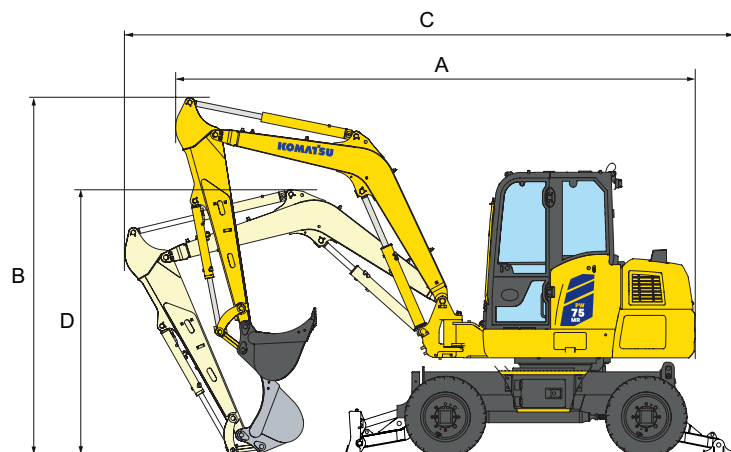
Trelleborg single tyres: -372 kg
 Delcora 425/80 B17 single tyres: -276 kg
 Mudguards: +90 kg
 Powertilt: +134 kg
 Rear hitch: +60 kg

Bucket range

Bucket capacity	0.073 m ³	0.101 m ³	0.123 m ³	0.152 m ³	0.176 m ³	0.201 m ³
Bucket width	300 mm	400 mm	500 mm	600 mm	700 mm	800 mm
Bucket weight	71 kg	88 kg	95 kg	108 kg	120 kg	130 kg

Dimensions and performance figures

Mono boom



Driving position

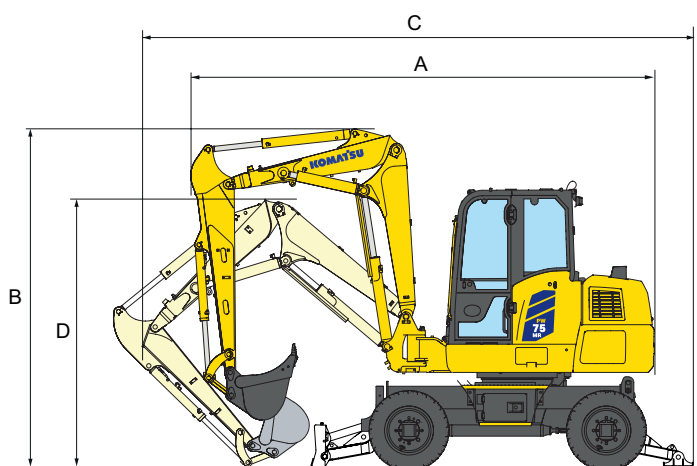
Arm length	with rear blade		with front blade + rear stabilisers	
	A	B	A	B
1640 mm	5730 mm	3705 mm	5690 mm	3705 mm
2000 mm	5730 mm	3705 mm	5690 mm	3705 mm

Transport position

Arm length	with rear blade		with front blade + rear stabilisers	
	C	D	C	D
1640 mm	6375 mm	3710 mm	6395 mm	3710 mm
2000 mm	6375 mm	3710 mm	6395 mm	2955 mm

Transport height with single tyres: - 10 mm

Two-piece boom



Driving position

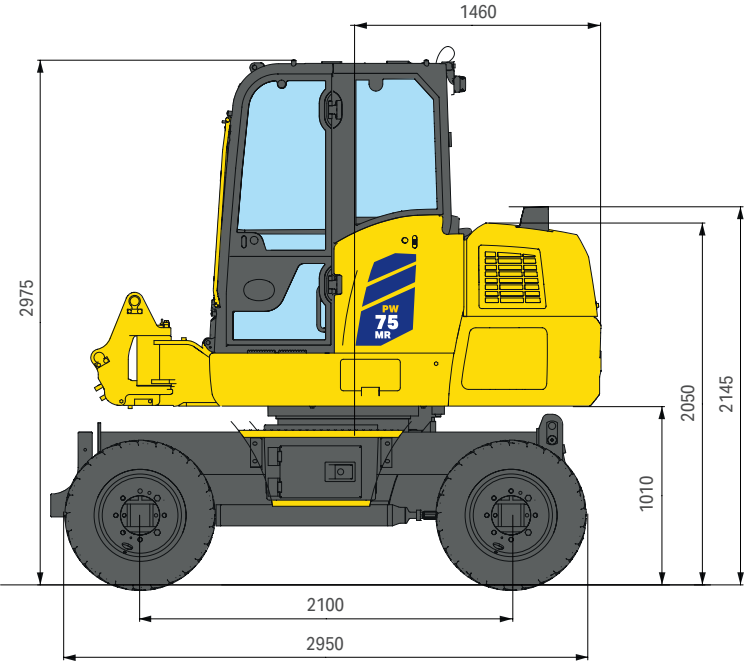
Arm length	with rear blade		with front blade + rear stabilisers	
	A	B	A	B
1640 mm	5275 mm	3635 mm	5235 mm	3635 mm
2000 mm	5390 mm	3630 mm	5350 mm	3630 mm

Transport position

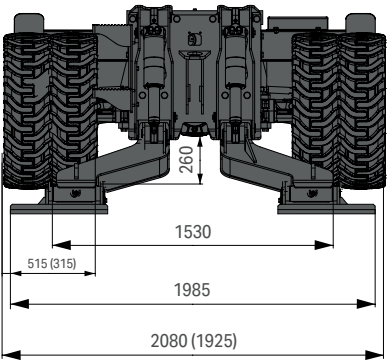
Arm length	with rear blade		with front blade + rear stabilisers	
	C	D	C	D
1640 mm	5895 mm (5975 mm)	2975 mm	6225 mm	2975 mm
2000 mm	5985 mm (6230 mm)	2975 mm	6435 mm	2975 mm

Transport height with single tyres: - 10 mm

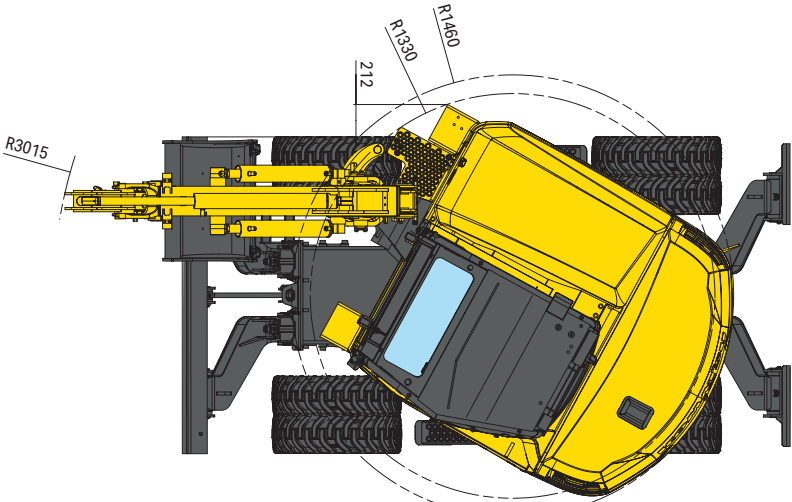
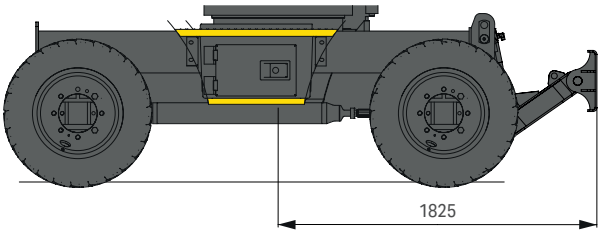
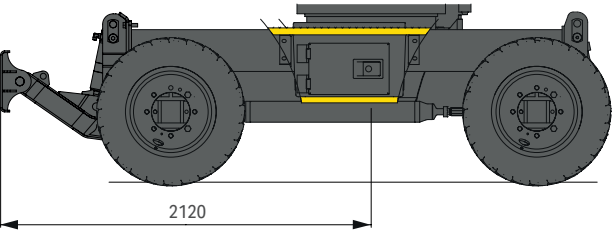
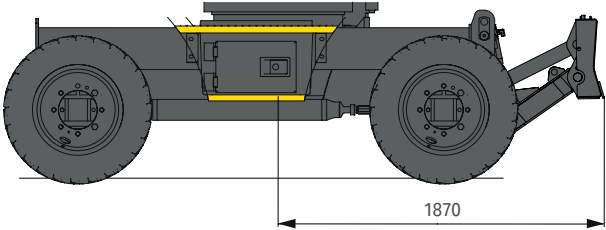
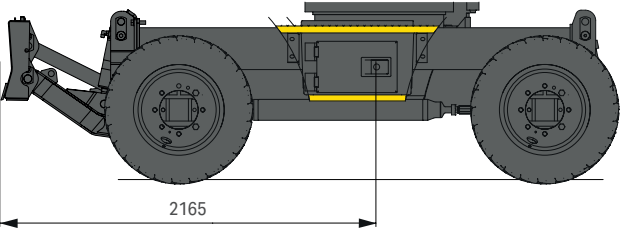
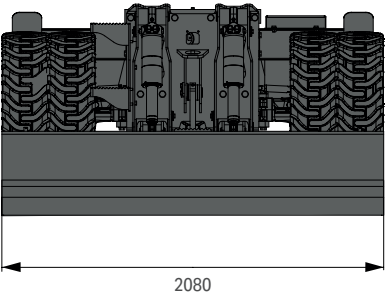
(): Transport length with clamshell grip bar



All dimensions with tyres 245/70 R19.5

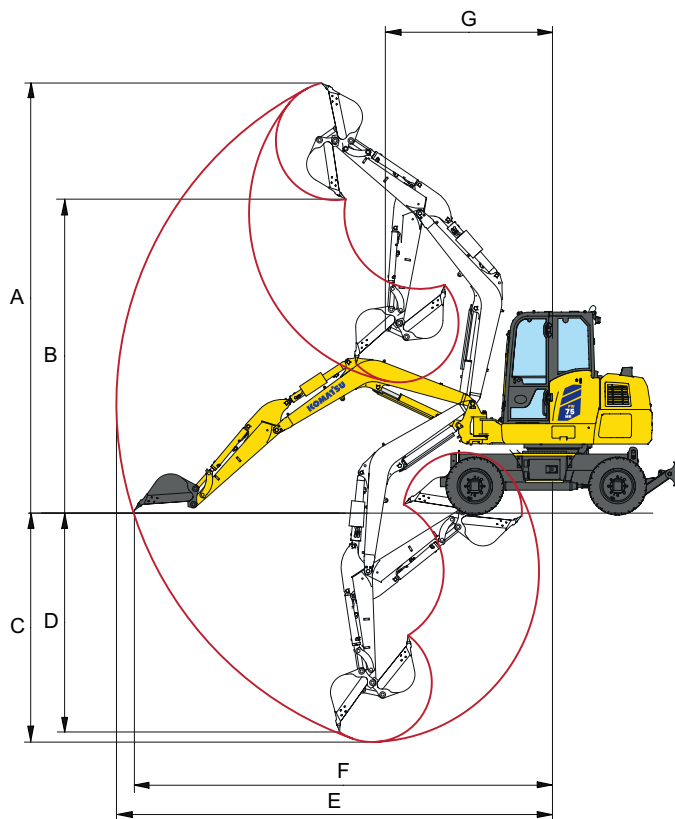


(): Figures for single tyres

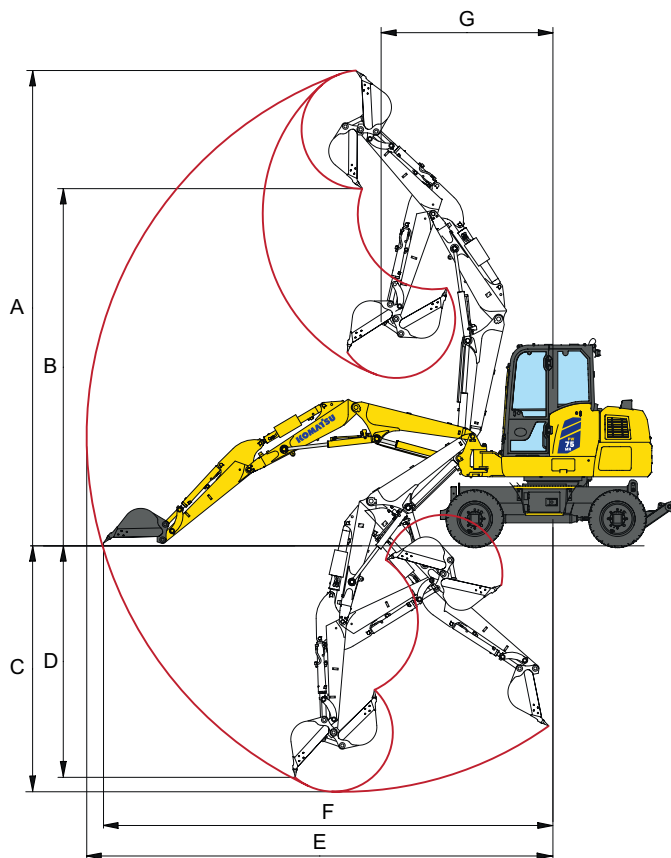


Working range

Mono boom



Two-piece boom



Working range

	Mono boom		Two-piece boom	
	Standard arm	Long arm	Standard arm	Long arm
Arm length	1640 mm	2000 mm	1640 mm	2000 mm
A Max. digging height	6322 mm	6594 mm	7006 mm	7310 mm
B Max. dumping height	4615 mm	4887 mm	5265 mm	5569 mm
C Max. digging depth	3366 mm	3726 mm	3625 mm	3986 mm
D Max. vertical wall digging depth	3217 mm	3570 mm	3412 mm	3758 mm
E Max. digging reach	6409 mm	6761 mm	6872 mm	7226 mm
F Max. digging reach at ground level	6146 mm	6510 mm	6625 mm	6987 mm
G Min. swing radius	2457 mm	2573 mm	2533 mm	2694 mm

Lifting capacity

A – Reach from swing center

 – Rating over front

B – Bucket hook height

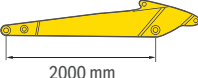
 – Rating over side

Data and specifications are referring to the machine according to 89/392/CE and EN 474-5 directives.

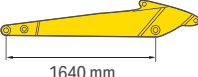
When removing bucket, linkage or cylinder, lifting capacities can be increased by their respective weights.

Lifting capacities are without bucket.

With two-piece boom, twin tyres, front blade and rear stabilisers up

Arm length	A		Max.		6.0 m		5.0 m		4.0 m		3.0 m	
	B											
 1640 mm	5.0 m	kg	1130	1130					1140	1140		
	4.0 m	kg	1050	*890			1080	1080	1200	1200		
	3.0 m	kg	1010	*780			1160	1160	1410	1410	2020	2020
	1.0 m	kg	1010	*720	1020	*720	1250	*930	1640	*1260		
	1.0 m	kg	1010	*710	1010	*710	1310	*890	1750	*1190		
	0.0 m	kg	990	*730			1260	*890	1800	*1150		*1580
	-1.0 m	kg	940	940			1110	*880	1540	*1140		*1600
	-2.0 m	kg	790	790					1030	1030		1310
 2000 mm	5.0 m	kg	920	920			920	920	1010	1010	1040	1040
	4.0 m	kg	920	920	920	920	950	950	1020	1020	1210	1210
	3.0 m	kg	890	*690	890	*720	1010	1010	1200	1200	1570	1570
	1.0 m	kg	890	*640	930	*710	1100	*920	1440	*1200	2210	*1770
	1.0 m	kg	890	*630	950	*680	1210	*870	1630	*1170	2470	*1630
	0.0 m	kg	890	*630	880	*670	1210	*840	1680	*1140	2300	*1590
	-1.0 m	kg	700	700			1060	*850	1500	*1180	2150	*1800
	-2.0 m	kg	510	510			610	610	1100	1100	1530	1530

With mono boom, twin tyres, front blade and rear stabilisers up

Arm length	A		Max.		6.0 m		5.0 m		4.0 m		3.0 m	
	B											
 1640 mm	5.0 m	kg	1290	1290					1280	1280		
	4.0 m	kg	1200	*1020			1200	*1020	1220	1220		
	3.0 m	kg	1210	*920			1240	*1030	1410	1410	1990	1990
	1.0 m	kg	1220	*860			1340	*1000	1690	*1360		
	1.0 m	kg	1240	*840			1430	*960	1920	*1300		
	0.0 m	kg	1230	*880			1410	*940	1950	*1280		*1880
	-1.0 m	kg	1190	*1000			1190	*1000	1730	*1280		*1890
	-2.0 m	kg	950	950					950	950		1640
 2000 mm	5.0 m	kg	1130	1130					1210	1210	760	760
	4.0 m	kg	1080	1070			1040	1040	1220	1220	810	810
	3.0 m	kg	1090	*810			1130	1130	1230	1230	1530	1530
	1.0 m	kg	1110	*840	1110	*840	1250	*970	1540	1540	2270	*1950
	1.0 m	kg	1140	*750	1140	*750	1370	*930	1810	*1260	2900	*1830
	0.0 m	kg	1140	*780			1410	*910	1920	*1210	2960	*1780
	-1.0 m	kg	1110	*860			1280	*910	1810	*1200	2610	*1790
	-2.0 m	kg	1010	1010					1350	1350	2010	2010

NOTE:

Ratings are based on ISO standard 10567. Rated loads do not exceed 87% of hydraulic lift capacity or 75% of tipping load. Excavators used in object handling operations must comply with the related local regulations and must be equipped with hose burst valves (boom & arm) and an overload warning device in compliance with EN474-5.

- The values marked with an asterisk (*) are limited by the hydraulic capacities.

- Calculations are based on the machine resting on a uniform and firm surface.

- The lifting point is a hypothetical hook placed behind the bucket.

Standard and optional equipment

Engine

Komatsu SAA4D98E-6 common rail direct injection diesel engine	●
EU Stage V compliant	●
Fuel control dial	●
Auto-deceleration function	●
Adjustable idle shutdown	●
Engine ignition can be password secured on request	●
Alternator 12 V / 80 A	●
Starter motor 12 V / 3.0 kW	●
Batteries 1 × 12 V / 110 Ah (CCA 950 A)	●

Hydraulic system

Closed-centre load sensing (CLSS) hydraulic system	●
High pressure close-loop HST travel system with single-ratio efficiency high-displacement motor	●
7-working mode selection system; power mode, economy mode, breaker mode, attachment power and attachment economy mode, lifting mode and mulcher mode	●
Adjustable PPC wrist control levers for arm, boom, bucket and swing, with sliding proportional control for attachments and 5 auxiliary buttons, with FNR switch	●
One additional 2-way full-flow service valve with hydraulic line for attachment on boom and arm (HCU-A)	●
Relieve valve on service spool	●
2nd auxiliary hydraulic circuit (HCU-C) + preparation for hydraulic quick-coupler (option for mono boom)	●
Hydraulic quick coupler line single effect	●
Hydraulic quick coupler line double effect	○
Additional auxiliary hydraulic circuit (HCU-B)	○
4th auxiliary circuit (HCU-D) for hydraulic Powertilt	○
Komatsu Integrated Attachment Control (KIAC) (HCU-C or HCU-D)	○
Additional hydraulic functions	○
Electrical changeover switch - bucket circuit	○
Lehnhoff Powertilt	○
Lehnhoff quick-couplers	○

Drives and brakes

Hydrostatic, single-range, shiftless travel drive system (0-30 km/h)	●
Hydraulic service and parking brakes	●
Four-wheel steering configuration (4 WS) (two-wheel, four-wheel and crab steering)	●
Oscillating front axle (± 6°) with automatic and manual cylinder locking	●
Cruise control	●
100% differential locks	●
Two-wheel steering configuration (2 WS)	○
20, 25 and 30 km/h speed limitation	○

Cabin

ROPS (ISO 3471) / OPG (ISO 10262) level 1 cab with skylight, pull-up type front window with locking device, lower window, windscreen-wiper, floor mat, adjustable sun roller blind (2 open positions)	●
Adjustable suspension seat with seat belt	●
Touch screen monitor panel 7.0" colour display	●
Adjustable steering column	●
12 Volt power supply	●
USB-A / USB-C power supplies	●
Beverage holder and magazine rack	●
Air conditioning	●
Radio pre-setting	●
Heated, high-back air-suspended seat with lumbar support, arm rests and retractable seat belt	○
DAB+ radio with Bluetooth®, USB, AUX and hands-free kit	○

Service and maintenance

Battery main switch	●
Komtrax – Komatsu wireless monitoring system (4G)	●
Multifunction video compatible colour monitor with Equipment Management and Monitoring System (EMMS) and efficiency guidance	●
Toolkit	●

Safety equipment

Rear-view camera system	●
Electric horn	●
Overload warning device	●
Audible travel alarm	●
Boom safety valves	●
Large handrails, rear-view mirrors	●
ROPS (ISO 12117) - OPG (ISO 10262) level 1	●
Emergency engine stop switch	●
Seat belt caution indicator	●
Neutral position detection system	●
Arm safety valve	●
Lateral mirror (right side)	●
OPG Level 2 top guard	○
OPG Level 2 front guard	○
Bucket safety valve	○
Rotating beacon	○
Audible travel alarm (white noise version)	○

LED lighting system

1 working light on boom (r.h. side)	●
3 front working lights on cab	●
Rear working light on cab	●
2 headlights	●

Undercarriage

Twin tyres 425/40 B17	●
Single tyres 425/40 B17	○
Parallel blade (front or rear)	○
Front blade and rear stabilisers	○
Clamshell grip bar	○
Fenders	○
Trailer hitch	○

Work equipment

Mono boom with cylinder protection	○
Two-piece boom with cylinder protection	○
1640 mm arm	○
2000 mm arm	○
Bucket range (300 - 800 mm)	○
1400 mm ditch cleaning bucket	○
Bucket linkage with lifting hook	○

Other equipment

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

Further equipment on request

- standard equipment
- optional equipment



A wide range of buckets and attachments is available. Your Komatsu distributor is ready to assist you with the selection of suitable options.

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.

