

MINI EXCAVATORS



Concrete solutions. Always.

12zT 14sR

Operative weight 1,160 - 1,185 kg
Maximum power 10.2 kW - 13.7 HP

Operative weight 1,230 - 1,255 kg
Maximum power 10.2 kW - 13.7 HP

 **EUR** **COMACH®**

LIKE THE BIG ONES BUT SMALLER.

Compact but incredibly stable, 12 ZT (zero-tail swing with widened carriage) and 14 SR (reduced rear swing radius) are designed for excellent performance on any site, especially indoors.



The undercarriage and blade are very compact and, thanks to the extendible carriage from 790 to 1,050 mm, these machines can even pass through the narrowest of passages.

790 mm

1050 mm

12 ZT does not have rear overhands, the ballast remains inside the footprint of the caterpillars allowing the operator to easily work even in confined spaces.



By simply removing two screws, the roll-bar can be folded back, an operation which allows for extreme ease of movement even in spaces with limited height clearance. Both models are equipped with roll bars and can be fitted with ABS roofs with a storage compartment.

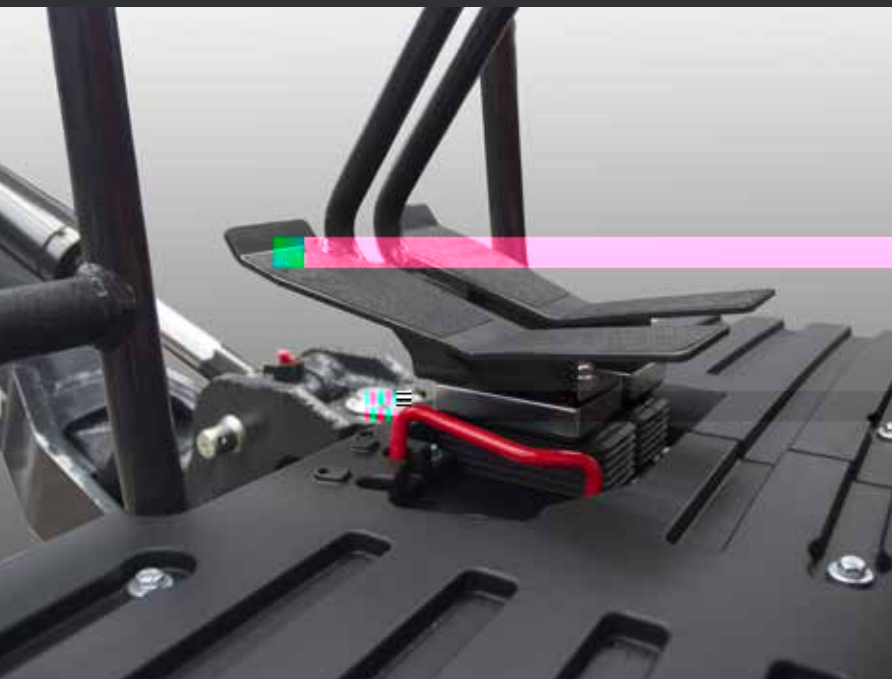


ZERO-TAIL SWING

The driving position has been studied in order to give maximum comfort for the operator: power-assisted controls, wrist rests and plenty of leg room.



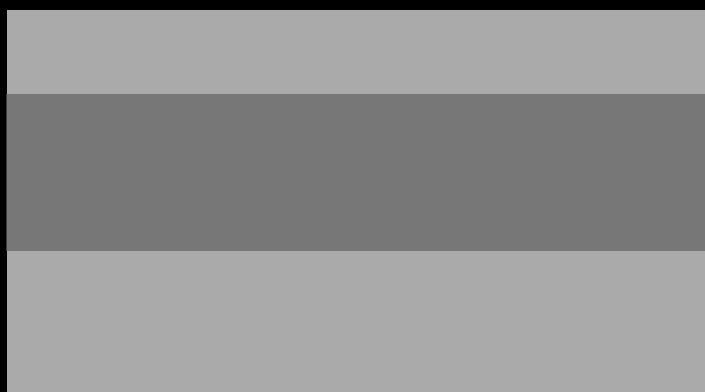
COMFORT, SAFETY AND FUNCTIONALITY. FINALLY TOGETHER



Both modes have two methods of side shifting: first gear with reduced speed and high torque, second gear for greater transfer speed; all controlled by a handy button on top of the backfill blade lever. The side-shifting can be controlled by the integrated movement levers and pedals.

The side opening of the left arm, a characteristic of these unique machines, does not impede the operator getting in or out in any way.





VISIBILITY

Thanks to its special design, the roll bar mounts are on the back of the machine, allowing the operator to have clear visibility of the entire surrounding area.

The ABS roof version can also be equipped with two additional LED work lights in addition to the standard ones supplied on the arm: maximum visibility even on sites with low light.



WORK LIGHTS

The powerful LED light installed on the arm optimises visibility even in low light conditions.



SAFETY

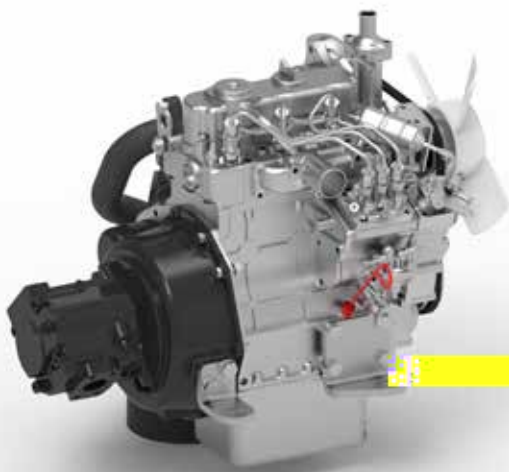
Safety belts and ROPS and TOPS certified roll bar and (if fitted with roof and protection grille) Level 1 FOPS certified, ensuring complete safety in the driving position, even in the event of an accident.

SAFETY, RELIABILITY AND PERFORMANCE

The variable flow pump, standard of the 14 SR and optional on the 12 ZT always ensures the correct power output: more fluid movements and extreme reactivity to operator controls.

EFFICIENCY AND CONSUMPTION

At the heart of the excavator is the efficient Kubota D722 - Stage 5 motor, designed and built to optimise performance and reduce fuel consumption. The long planned service intervals contribute to economic efficiency, reducing machine down time costs.



TRANSPORT ACCESSIBLE TO ALL



Transporting is one of the strong points of the 12 ZT and 14 SR. Thanks to its limited weight, these excavators can also be loaded on low capacity trailers, leaving space for other equipment.

MAINTENANCE HAS NEVER BEEN SO EASY.



Practical and fast, the foldable seats allow access to serviceable parts in seconds and thanks to the mechanical locks, maintenance can be carried out in complete safety.



The side handle allows the bonnet and seats to be lifted and closed extremely easily.



ACCESSIBILITY

The tilting bonnet lifts with a single, simple movement.

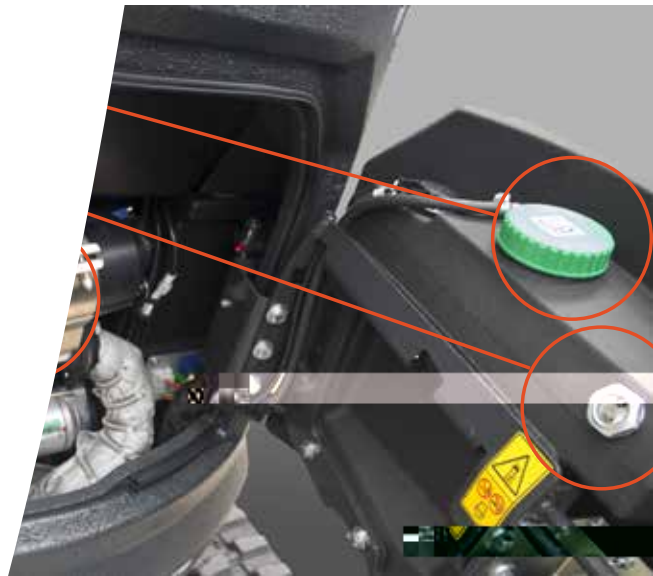
SPACE FOR SERVICES.

The fuel tank is integrated in the rear ballast, a signature feature of Eurocomach excavators, making access to other components incredibly easy.



ACCESSIBILITY

Common or dedicated access makes all servicing operations simple and quick.



THE IMPORTANCE OF BEING RELIABLE.

RELIABILITY

Designed and tested for high performance coupled with constant reliability.

The definition of the materials, selection of parts and design of the structures have ensured that the machine can cope with the most trying and demanding working requirements.

Of note among these is the moulded rotating column, the lifting cylinder protection and the blade that increase efficiency and durability of the product.



PERFORMANCE



OPTIONALS.

The wide range of equipment designed especially for Eurocomach mini-excavators always guarantee the most appropriate use for machines by maximising their performance.

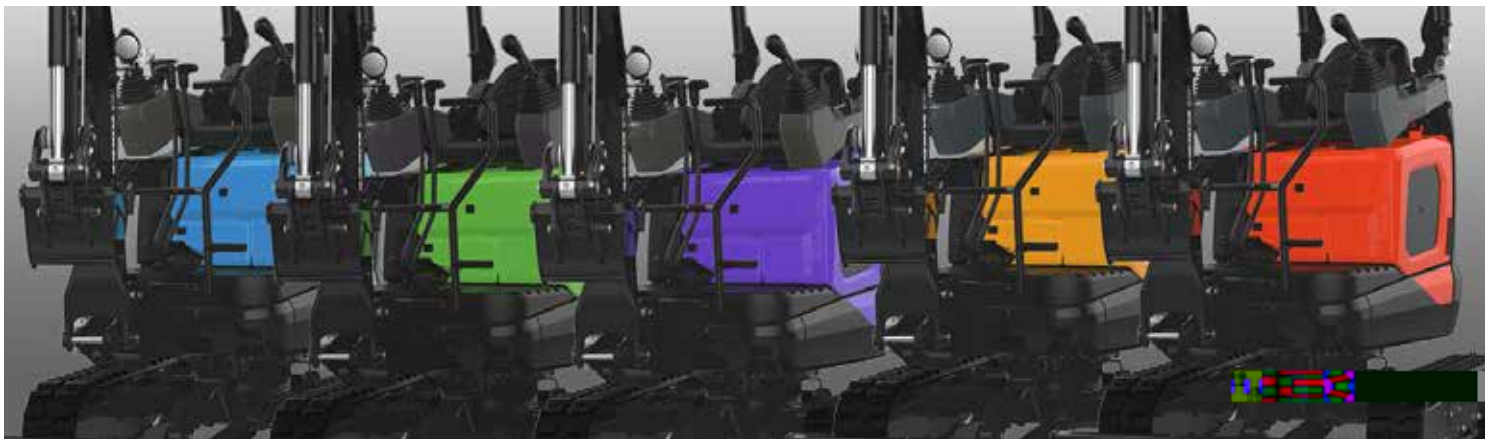
A complete offering of optional equipment levels, even for specific apparatus, ensuring best performance.



Roll-bar with ABS roof



Additional LED work lights



Personalised paintwork

EUROCOMACH GEOSERVICE

- precise machine localisation via the web
- anti-theft device with alarm and SMS / E-Mail notification
- high water temperature or low motor oil pressure warning with SMS / E-Mail notification
- Control of usage hours with service interval alarm

The background of the advertisement is a composite image. The top half shows a satellite in space against a black background with stars. The bottom half shows a city at night with lights reflecting on water, with a silhouette of a person standing on a bridge or pier.

14 SR		
12 ZT		
ENGINE		
Diesel motor, 3 cylinders, 719 cc capacity, water cooled	●	●
Electric pre-warming	●	●
Dry air filter with discharge valve and indication of filter blockage	●	●
Engine oil cartridge filter	●	●
Cartridge fuel filter	●	●
Fuel tank discharge hatch	●	●
Auxiliary cooling liquid expansion tray	●	●
CANOPY		
Roll bar, 2 folding mounts ROPS - TOPS	●	●
Roll bar, 2 folding mounts ROPS - TOPS and ABS FOPS roof Lev. 1	○	○
Adjustable seat	●	●
Seat belt	●	●
Wrist supports	●	●
Footrests	●	●
Side-shifting pedals	●	●
Rubber comfort foot board	●	●
High Water Temperature and low fuel level warning lights	●	●
Acoustic warning for water temperature	●	●
Hour meter	●	●
Horn	●	●
Unipolar 12 Volt power socket	●	●

14 SR		
12 ZT		
SAFETY		
Machine blocking device during exit/access to driving seat	●	●
Anti-slip boarding plate	●	●
Raise / Lower handle	●	●
Pressure accumulator that permits the lowering of the arm in case of engine failure	●	●
Anti-yaw safety valve on first arm, second arm and backfill blade	○	○
HYDRAULIC SYSTEM		
Open circuit hydraulic system with fixed flow pump	●	/
Open circuit hydraulic system with variable flow pump	○	●
ISO hydraulic servo-controls	●	●
Hydraulic oil intake filter	●	●
Mechanical rotating tower lock	●	●
Two speed travel system	●	●
Single and Double effect hydraulic system	●	●
AUX 2 Predisposition for clamp rotor hydraulics with proportional electro-hydraulic control on left joystick (as an alternative to tilting)	○	○
ELECTRICAL SYSTEM		
Work lights on the lifting arm	●	●
Additional lights on the front canopy (only installed if ABS roof is present)	○	○
Rotating head lamp	○	○
Solenoid valve connectors and services (IP67)	●	●

14 SR		
12 ZT		
UNDERCARRIAGE		
Variable track undercarriage	●	●
Backfill blade	●	●
Dozer blade cylinder protective casing	●	●
Carter final drive motors	●	●
Rotating joint protection casing	●	●
Rubber tracks	●	●
UTILITY		
Anti-theft system	○	○
Geo-service system for localisation and remote diagnostics	○	○
Second 900 mm excavation arm	●	/
Second 1020 mm excavation arm	○	●
Second 1150 mm excavation arm	/	●
Additional external counterweight	○	○
Personalisation of colour (RAL)	○	○
4 anchorage points for lifting	●	●
4 transport anchorage points	●	●
Visual indicator of on-board fuel level	●	●
Lifting cylinder protection casing	●	●

STANDARD EQUIPMENT ●
 OPTIONAL EQUIPMENT ○
 NOT AVAILABLE /

TECHNICAL SPECIFICATIONS

Operating weight with roll bar	kg	1,160
Operating weight with roll bar and ABS roof	kg	1,185
Translation speed	km/h	1 st : 0 ÷ 1.8 / 2 nd : 0 ÷ 3.8
Rotation speed	rpm	9.5

ENGINE

Model	KUBOTA D722 - Stage 5	
Power (2.350 rpm)	kW - HP	10.2 - 13.7
Cylinder capacity	cc	719
Number of cylinders	No.	3
Cooling	water	
Consumption	l/h	1.8
Alternator	V (A)	12 (40)
Battery	V (Ah)	12 (45)

HYDRAULIC SYSTEM

Pump type	2 × gear pumps	
Pump displacement	cc	5.5+5.5
Pump flow rate	l/min	26
Maximum unit calibration pressure	bar	165
Auxiliary plant:	Max. capacity	l/min
	Max. pressure	bar
		26
		165

PERFORMANCE

Maximum excavation depth with standard arm (optional arm)	mm	1,860 (1,980)
Maximum unloading height with roof, standard arm (optional arm)	mm	2,130 (2,215)
Breakout force at bucket (standard arm) ISO 6015	daN	1,150
Arm break force (standard arm) ISO 6015	daN	690
Traction force	daN	1,000
Pressure at ground level with roof 2 mounts	kg/cm ²	0.29 (0.30)
Maximum slope	60% - 30°	

DIMENSIONS

Maximum width	mm	790 - 1,050
Total height	mm	2,300
Rear rotation radius	mm	525
Excavation length, standard arm (optional arm)	mm	900 (1,020)
Track width	mm	180
No. of rollers (per side)	No.	3

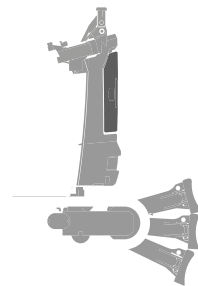
REFILLING

Diesel tank	lt	14.5
Hydraulic oil tank	lt	9.5
Hydraulic system capacity	lt	15
Cooling system capacity	lt	6
Engine oil	lt	1.8

CONTROLS

First arm, excavating arm, bucket and tower rotation	2 Joysticks servo-assisted	
Track movements (counter-rotation included)	2 servo-assisted levers	
Backfill blade	servo-assisted lever	
Auxiliary system (single and double effect)	potentiometer control on RH joystick	
Tilting	potentiometer control on LH joystick	





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