A black and red Eurocomach ES 95 TR excavator is shown in a construction site, working in a deep trench. The machine's long boom is extended, and it is equipped with a triple arm. A worker is visible in the cab. The background shows a construction site with orange safety fencing and a road.

The ES 95 TR is equipped with a triple arm that offers a longer extension and greater return: this facilitates excavation operations near the machine and makes loading operations easier.

Concrete solutions. Always

ES 95 TR

Operating weight 9,900 - 10,220 kg
Engine Power 46,5 kW - 63,2 HP

 **EUROCOMACH**

LIKE THE GREATEST, JUST SMALLER.

DIMENSIONS

With zero tail swing, you get optimal performance in confined spaces working in complete safety, focusing solely on the excavation operation, even with the cab door open, as it remains within the profile of the tracks.

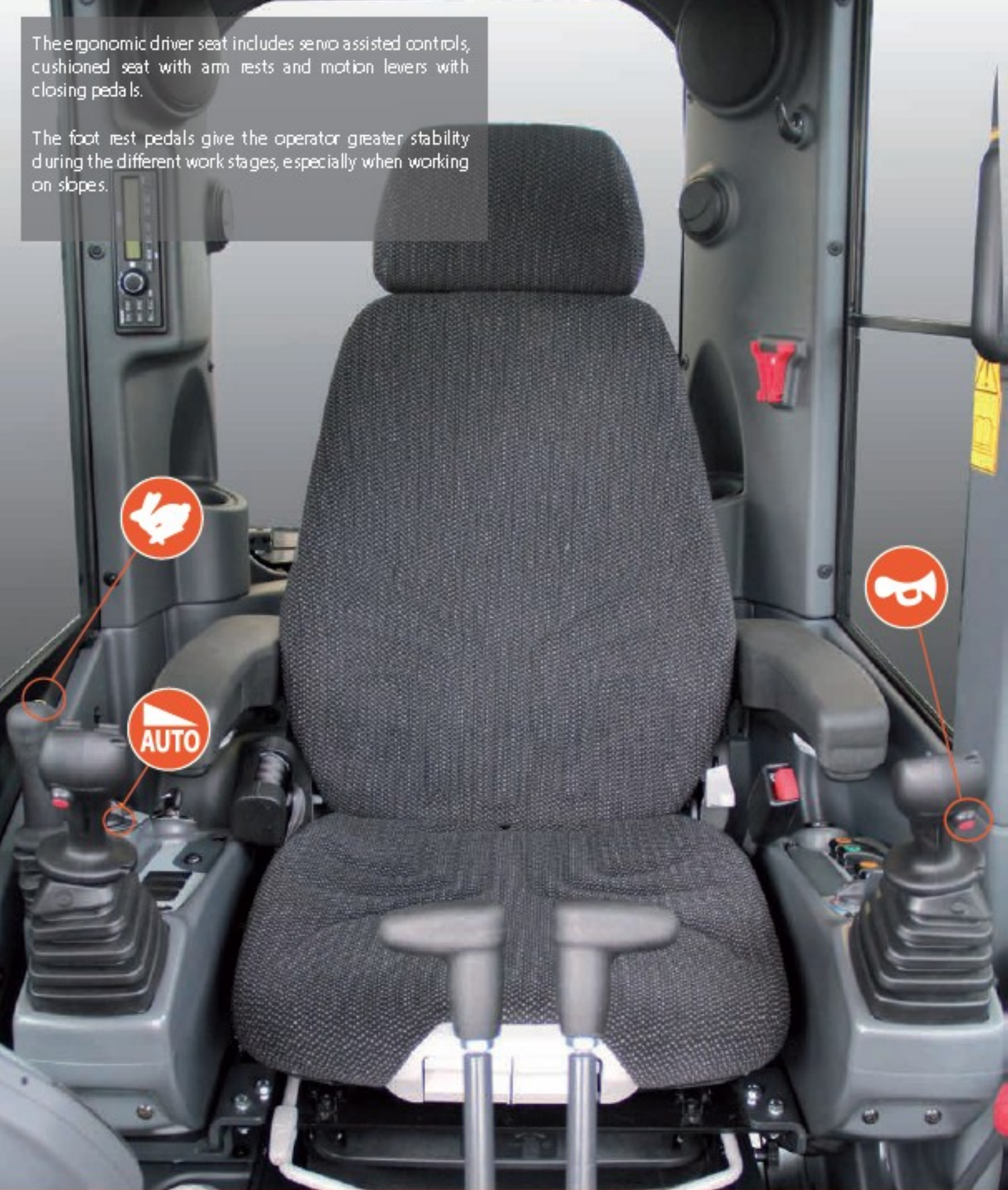
With four types of arms, the 9 to 10 ton excavator range is suitable for any work site.
Limitless power and versatility



ZERO TAIL

The ergonomic driver seat includes servo assisted controls, cushioned seat with arm rests and motion levers with closing pedals.

The foot rest pedals give the operator greater stability during the different work stages, especially when working on slopes.



USB RADIO

The radio is equipped with a handy USB port.

COMFORT, SAFETY AND FUNCTIONALITY. FINALLY TOGETHER



COMMANDS AND CONTROLS

All models have two motion modes: first gear with reduced speed and high thrust force and second speed with greater transfer speed. Everything is controlled by a practical button above the backfill blade lever. Motion can be controlled using the advancement lever and integrated folding pedals that, once closed, increase the space available to the operator and prevent accidental use.

The foot board flush with the door makes for stepless exit from the cab and facilitates floor cleaning operations. It was designed to be able to be removed easily in order to perform extraordinary maintenance.



STRAIGHT TRAVEL

In case of simultaneous control of the services and motion, the hydraulic system with variable displacement pumps simultaneously ensures the fluidity of movements and straight driving of the machine.



AUTO TWO SPEED

When the excavator needs more thrust force, the automatic speed transmission intervenes, reducing the motion ratio.

VISIBILITY

The special design of the body and protective structures give the operator a wide field of vision, allowing easy control of the front tracked part.

The large windshield along with the upper rear window lets the operator keep an eye on the entire workarea while remaining comfortably seated.



WORK LIGHTS

Powerful lights optimize visibility even with low lighting: they are located in the lower compartments and built into or installed in the work arm.

LOAD SENSING HYDRAULIC SYSTEM

The efficient Load Sensing system saves fuel (up to 15%) with the suitable power distribution.

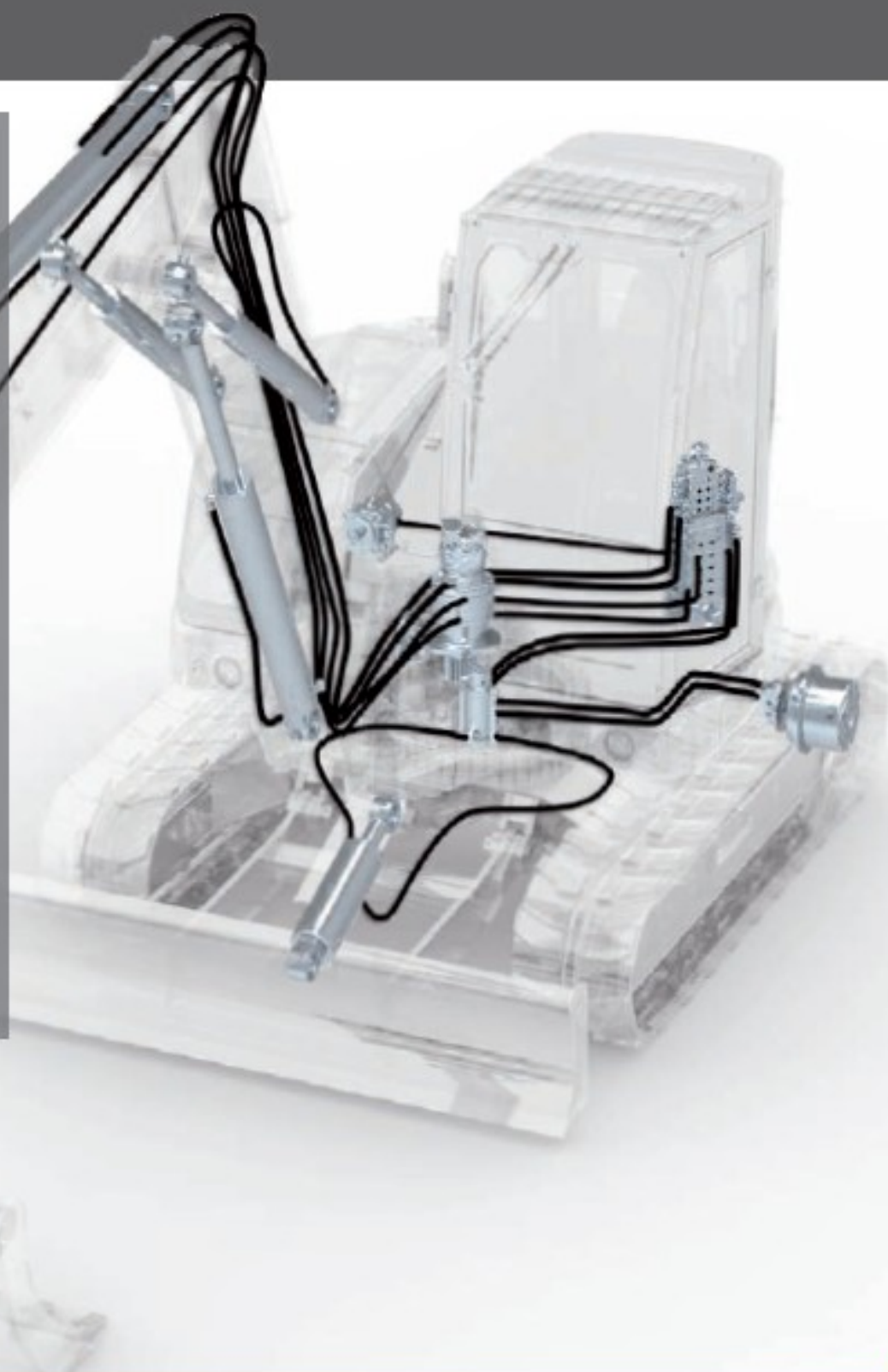
LS pump: only delivers the flow required by the system.

FLOW SHARING distributor: full simultaneous movements (all), even when the flow required exceeds the maximum pump capacity.

Optimal flow in each element thanks to the pressure compensators in each section.

High flexibility: the flow and pressure regulators provide high-speed during empty movements and high pressure while working.

Availability of various auxiliary systems with capacities from 40 up to 100 lt/min.



FLEXIBILITY, COMPACTNESS, ERGONOMICS.

The practical additional internal and external ballast (optional) can, when needed, further increase the excellent operating stability without compromising the overall size of the machine.

EFFICIENCY AND CONSUMPTION

The heart of the excavators is the efficient and silent YANMAR 4TNV98 engine, designed and built to optimize performance and reduce fuel consumption.

The long intervals between programmed maintenance contribute to economic efficiency, reducing costs and machine downtime.

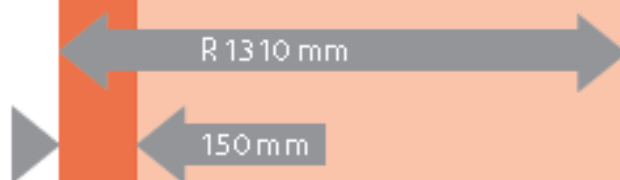
The Auto-Idle automatic controls reduce the engine rpm when the hydraulic system is not in use, controlling fuel consumption.



SAFETY

Sensors monitoring the manipulator position prevent accidental control of the machine.

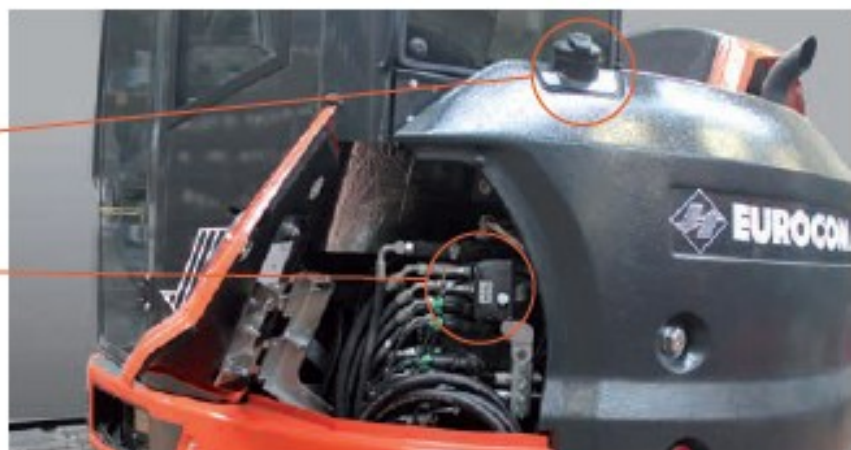
Safety belts, the cabin structure and rollbar with ROPS FOPS level I and TOPS certificate provide all of the safety needed in the cab in the event of an accident.



OPTIONAL COUNTERWEIGHT

Easy routine maintenance simplifies service operations.

The side compartment allows quick access to the electronic pump to refill the fuel and to the hydraulic distributor.



Services related to the heat engine are easily reached through a wide opening and the side compartment.

All the filters (fuel, oil and air) in addition to checking and topping up the engine oil, are easily identified on the side.

It is simple and easy to clean all of the radiators thanks to the front compartment opening.



There is a large, locking tool compartment available to the operator.



All access points for daily checks and for routine maintenance are concentrated in defined areas, optimizing machine downtime.



ACCESSIBILITY

Common or dedicated access areas make every maintenance operation quick and easy.

ES 90 UR
ES 85 SB
ES 95 TR
ES 85 ZT

| ENGINE | | | | |
|---|---|---|---|---|
| Diesel engine, 3 cylinders, displacement 2615 cc, watercooled | • | • | • | • |
| Electronic throttle with automatic idle speed system (Auto Idle) | • | • | • | • |
| Electric preheater | • | • | • | • |
| Dry air filter with discharge valve and filter clogged indicator | • | • | • | • |
| Double cartridge air filter | • | • | • | • |
| Cartridge engine oil filter | • | • | • | • |
| Cartridge fuel filter | • | • | • | • |
| Fuel filter with transparent water separation container | • | • | • | • |
| Fuel tank discharge | • | • | • | • |
| Auxiliary liquid refrigerant expansion tank | • | • | • | • |
| CAB | | | | |
| Cab ROPS - TOPS - FOPS (Level I) | • | • | • | • |
| Adjustable mechanical suspension seat | • | • | • | • |
| Adjustable pneumatic suspension seat | ○ | ○ | ○ | ○ |
| Adjustable, heated pneumatic suspension seat | ○ | ○ | ○ | ○ |
| Longitudinal multi-adjustment of the driver's spot (seat/console) | • | • | • | • |
| Safety Belt | • | • | • | • |
| Elbow support arm rests | • | • | • | • |
| Foot supports | • | • | • | • |
| Closable motion petals | • | • | • | • |
| Comfort rubber foot rest | • | • | • | • |
| Drivers seat platform assembled on 4 vibration damping elastic supports | ○ | • | • | • |
| Air-conditioning with automatic adjustment | • | • | • | • |
| Sliding right side window | • | • | • | • |
| Sliding left side window | • | • | • | • |
| Windshield with assisted opening system (gas springs) | • | • | • | • |
| Rolling sun blind | • | • | • | • |
| Courtesy light | • | • | • | • |
| On board computer with multifunction | • | • | • | • |
| Indicator light for hydraulic filter and engine air intake filter clog | • | • | • | • |
| Water temperature and fuel level indicators | • | • | • | • |
| Counter | • | • | • | • |
| High water temperature alarm | • | • | • | • |
| Warning buzzer | • | • | • | • |
| Radio AM/FM USB | ○ | ○ | ○ | ○ |
| Single pole 12 volt power supply outlet | • | • | • | • |
| Front windshield wipers with sprayer and speed control | • | • | • | • |
| Glove compartment | • | • | • | • |
| Bottle holder | • | • | • | • |

ES 90 UR
ES 85 SB
ES 95 TR
ES 85 ZT

| SAFETY | | | | |
|--|---|---|---|---|
| Machine blocking device during exit/access to the driver's seat | • | • | • | • |
| Engine ignition device only with the left console lowered | • | • | • | • |
| Anti-slip climbing plate | • | • | • | • |
| Climbing and descending handles | • | • | • | • |
| Emergency bar | • | • | • | • |
| Rearview mirror kit | • | • | • | • |
| Rearview camera kit with dedicated colour monitor | ○ | ○ | ○ | ○ |
| Upper FOPS (level II) protective grille | ○ | ○ | ○ | ○ |
| Front cab protective grille | ○ | ○ | ○ | ○ |
| Anti-drift safety valve on the first arm, second arm and backfill blade | ○ | ○ | ○ | ○ |
| Pressure accumulator that allows the arm to be lowered in the event of an engine failure | • | • | • | • |
| ELECTRIC SYSTEM | | | | |
| Work lights on the lifting arm | • | • | • | • |
| Supplementary work lights on the lifting arm | ○ | ○ | ○ | ○ |
| Supplementary front canopy/cap lights | ○ | ○ | ○ | ○ |
| Supplementary rear canopy/cap lights | ○ | ○ | ○ | ○ |
| Rotating light | ○ | ○ | ○ | ○ |
| Battery disconnect switch | • | • | • | • |
| Watertight connectors (IP67) | • | • | • | • |
| HYDRAULIC SYSTEM | | | | |
| Load-sensing hydraulic system with variable capacity pump | • | • | • | • |
| ISO hydraulic servo-control | • | • | • | • |
| Hydraulic oil intake filter | • | • | • | • |
| Rotation parking brake | • | • | • | • |
| Motion parking brake | • | • | • | • |
| Two speed motion system | • | • | • | • |
| Automatic movement speed change (Shift-down) | • | • | • | • |
| Single/double effect hydraulic system (e.g., hammer or drill) with electrical containment | • | • | • | • |
| Hydraulic setup for calliper rotor (with switches on bucket cylinder) | ○ | ○ | ○ | ○ |
| AUX 2: System setup for calliper rotor with proportional electro-hydraulic control on the Right joystick | • | • | • | • |
| AUX 3: Double effect low capacity hydraulic set up with potentiometer control on the left joystick (excludes tilt operation) | • | • | • | • |
| Hydraulic drainage line directly to the tank | • | • | • | • |

ES 90 UR
ES 85 SB
ES 95 TR
ES 85 ZT

| UNDERCARRIAGE | | | | |
|--|---|---|---|---|
| Backfill blade | ● | ● | ● | ● |
| Adjustable backfill blade | ○ | ○ | ○ | ○ |
| Adjustable and tilting backfill blade | ○ | ○ | ○ | ○ |
| Dozer blade cylinder protective casing | ● | ● | ● | ● |
| Motion engines casing | ● | ● | ● | ● |
| Rotating joint protective casing | ● | ● | ● | ● |
| Rubber tracks | ● | ● | ● | ● |
| "Roadliner track" rubberized pad | ○ | ○ | ○ | ○ |
| Iron tracks | ○ | ○ | ○ | ○ |
| Rubber road pad for iron tracks | ○ | ○ | ○ | ○ |
| 4 anchoring points for transport | ● | ● | ● | ● |
| OPTIONAL EQUIPMENT | | | | |
| Antitheft system | ○ | ○ | ○ | ○ |
| Geo-service system for locating and remote diagnostics | ● | ● | ● | ● |
| Second excavating arm 1,760 mm | ● | ● | ● | ● |
| Second excavating arm 2,110 mm | ○ | ○ | ○ | ○ |
| Additional internal counterweight | ○ | ● | ● | ● |
| Additional external counterweight | ○ | ○ | ○ | ○ |
| Colour customizations (RAL specific) | ○ | ○ | ○ | ○ |
| 4 anchoring points for lifting | ● | ● | ● | ● |
| On-board visual fuel level indicator | ● | ● | ● | ● |
| Fuel refill pump with automatic shutdown | ● | ● | ● | ● |
| Tool compartment | ● | ● | ● | ● |
| Lifting cylinder protective casing | ● | ● | ● | ● |

STANDARD EQUIPMENT ●
OPTIONAL EQUIPMENT ○

TECHNICALS SPECIFICATIONS

| | | |
|---------------------------------------|------|---|
| Operating weight (with rubber tracks) | kg | 9.900 |
| Operating weight (with steel tracks) | kg | 10.220 |
| Travelling speed (AUTO TWO SPEED) | km/h | 1 st : 0÷2,6 / 2 nd : 0÷5,2 |
| Slew speed | rpm | 12 |

ENGINE

| | | |
|-----------------------|---------------|-------------|
| Type | YANMAR 4TNV98 | |
| Max Power (2.200 rpm) | kW - HP | 46,3 - 63,2 |
| Displacement | cc | 3.319 |
| Number of cylinders | n° | 4 |
| Cooling | water | |
| Consumption | lt/h | 8,7 |
| Alternator | V (A) | 12 (55) |
| Battery | V (Ah) | 12 (100) |

HYDRAULIC SYSTEM

| | | |
|-----------------------------------|---|--------------------------|
| Circuit Type | load sensing closed center system with flow sharing control valve | |
| Pump type | 1 ls variable pump + 1 gear pump | |
| Pump displacement | cc | 84 + 9 |
| Pump capacity | lt/min | 185 + 20 |
| Max. circuit calibration pressure | bar | 290 - 200 - 35 |
| Auxiliary system: | Max capacity | lt/min |
| | Max pressure | bar |
| | | 40÷60 (100) 290 (200) |

PERFORMANCES

| | | |
|--|-----------|---------------|
| Max digging depth standard arm (optional arm) | mm | 4.570 (4.920) |
| Max dumping height with cab standard arm (optional arm) | mm | 6.070 (6.370) |
| Bucket breaking force (standard arm) ISO 6015 | daN | 5.500 |
| Arm breaking force (standard arm) ISO 6015 | daN | 4.350 |
| Traction force | daN | 7.960 |
| Ground bearing pressure with rubber tracks and canopy (with cabin) | kg/cm² | 0,46 |
| Max slope | 60% - 30° | |

DIMENSIONS

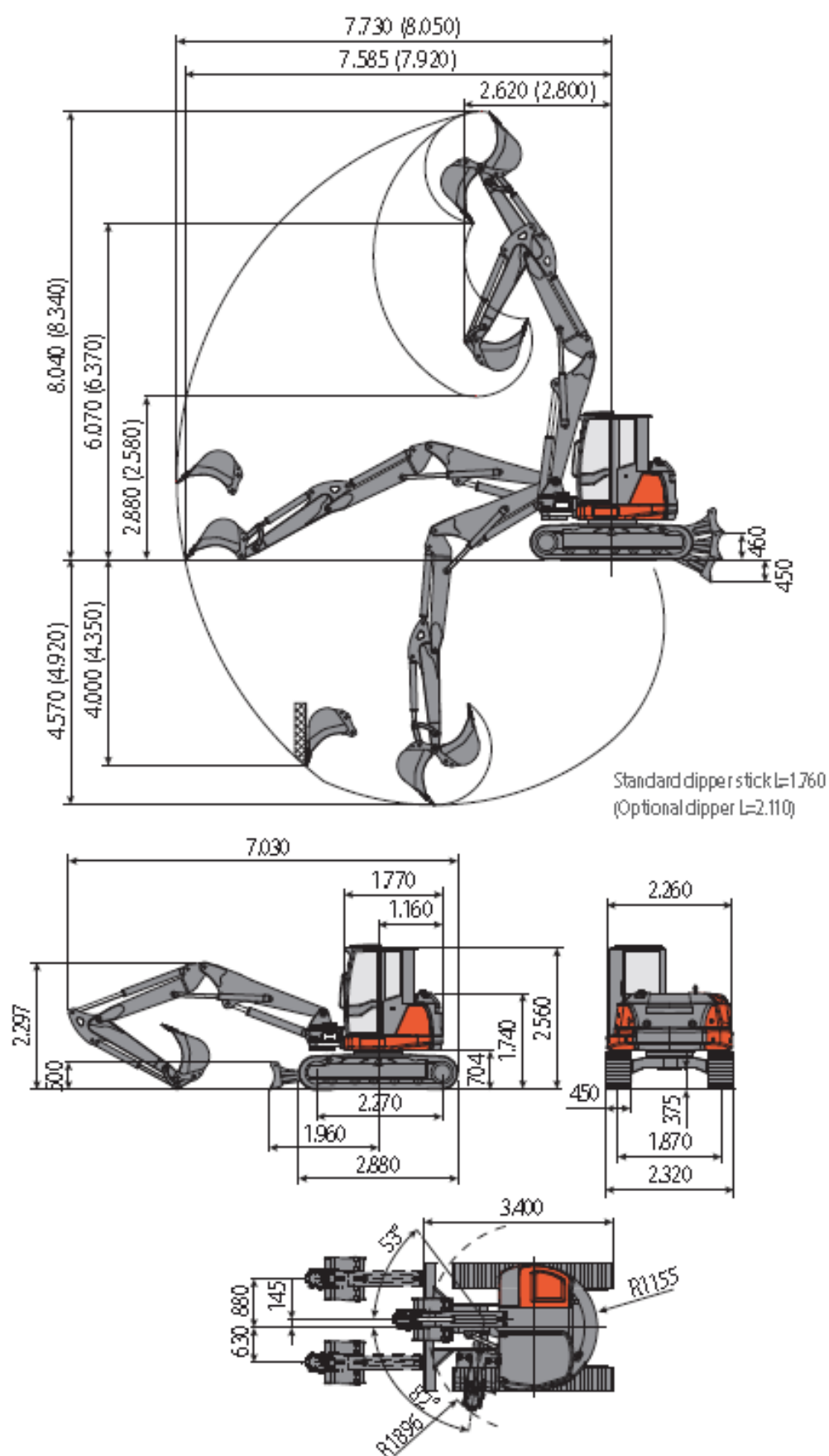
| | | |
|-----------------------------------|----|---|
| Maximum width | mm | 2.320 |
| Total height | mm | 2.560 |
| Rear rotation radius | mm | 1.155 |
| Digging arm length std (optional) | mm | 1.760 (2.110) |
| Tracks width | mm | 450 |
| Rollers number (for each side) | n° | 5/1 (rubber track) 6/1 (steel track) |

FILLINGS

| | | |
|----------------------------|----|-----|
| Fuel tank | lt | 105 |
| Hydraulic oil tank | lt | 90 |
| Hydraulic circuit capacity | lt | 120 |
| Cooling system capacity | lt | 25 |
| Engine oil | lt | 10 |

CONTROLS

| | | |
|---|--|--|
| Boom, dipper stick, bucket and turret swing | 2 pilot joysticks | |
| Track movements (included counter rotation) | 2 pilot levers | |
| Dozer blade | 1 pilot lever | |
| Auxiliary circuit (simple or double effect) | electroproportional switch on right joystick | |
| Boom swing | electroproportional switch on left joystick | |



LIFTING CAPACITY

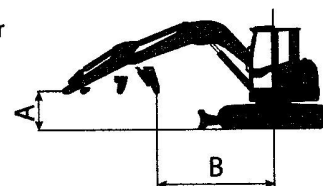
The lifting capacity is based on ISO 10567 and does not exceed 75% of the static tipping load or 87% of the hydraulic lifting capacity of the machine.

The straddle refers to the centre of rotation.

* Indicates the hydraulic load limit.

0 m refers to ground level.

The machine is understood to be equipped with a cab, rubber tracks, without a bucket and without a quick coupling.



Front



Side

Unit: ton

Blade raised, Standard Arm (1760 mm)

() the values in parenthesis are with additional ballast: 0.8 ton

| A (m) | B (m) | | | | | | | | | | |
|-------|---------------|---------------|--------------|---------------|--------------|--------------|--------------|-------------|-------------|-------------|--------|
| | 2.0 | | 3.0 | | 4.0 | | 5.0 | | MAX | | |
| | | | | | | | | | | | |
| 5.0 | | | | | 1,89 (*2,75) | 1,63 (*2,45) | | | 1,41 (1,94) | 1,22 (1,74) | 3,80 m |
| 4.0 | | | | | 1,9 (*2,77) | 1,68 (*2,51) | 1,65 (*2,32) | 1,45 (1,81) | 1,39 (1,8) | 1,2 (1,6) | 4,58 m |
| 3.0 | | | | | 2,02 (*2,92) | 1,77 (*2,61) | 1,57 (*2,24) | 1,38 (1,73) | 1,38 (1,73) | 1,18 (1,54) | 5,05 m |
| 2.0 | | | 2,82 (*3,76) | *3,08 (*3,08) | 2,04 (*2,92) | 1,8 (*2,65) | 1,87 (*2,59) | 1,34 (1,7) | 1,35 (1,69) | 1,16 (1,49) | 5,30 m |
| 1.0 | | | 3,26 (*3,96) | 2,85 (3,59) | 2,07 (*2,96) | 1,83 (2,31) | 1,48 (1,84) | 1,29 (1,64) | 1,33 (1,67) | 1,14 (1,48) | 5,34 m |
| 0 | | | 3,74 (*4,09) | 2,88 (3,74) | 2,08 (*2,98) | 1,86 (2,34) | 1,44 (1,79) | 1,26 (1,61) | 1,35 (1,69) | 1,15 (1,5) | 5,19 m |
| -1.0 | *4,61 (*4,61) | *4,58 (*4,58) | 3,24 (*4) | 2,92 (3,8) | 2,03 (*2,91) | 1,8 (2,29) | 1,35 (1,71) | 1,3 (1,66) | 1,38 (1,76) | 1,18 (1,56) | 4,83 m |
| -2.0 | *4,5 (*4,5) | *4,26 (*4,26) | 3,3 (*3,83) | 3 (3,92) | 1,98 (*2,85) | 1,75 (2,23) | | | 1,38 (1,84) | 1,19 (1,65) | 4,20 m |

NY!

ES 95 TR

Blade lowered, Standard Arm (1760 mm)

() the values in parenthesis are with additional ballast: 0.8 ton

| A (m) | B (m) | | | | | | | | | | |
|-------|---------------|---------------|---------------|---------------|---------------|--------------|---------------|-------------|---------------|-------------|--------|
| | 2.0 | | 3.0 | | 4.0 | | 5.0 | | MAX | | |
| | | | | | | | | | | | |
| 5.0 | | | | | *2,42 (*2,42) | 1,63 (*2,45) | | | *1,74 (*1,74) | 1,22 (1,74) | 3,80 m |
| 4.0 | | | | | *2,6 (*2,6) | 1,68 (*2,51) | *1,87 (*1,87) | 1,45 (1,81) | *1,75 (*1,75) | 1,2 (1,6) | 4,58 m |
| 3.0 | | | | | *2,84 (*2,84) | 1,77 (*2,61) | *1,95 (*1,95) | 1,38 (1,73) | *1,7 (*1,7) | 1,18 (1,54) | 5,05 m |
| 2.0 | | | *4,05 (*4,05) | *3,08 (*3,08) | *2,88 (*2,88) | 1,8 (*2,65) | *2,25 (*2,25) | 1,34 (1,7) | *2,13 (*2,13) | 1,16 (1,49) | 5,30 m |
| 1.0 | | | *4,21 (*4,21) | 2,85 (3,08) | *3,13 (*3,13) | 1,83 (2,31) | *2,54 (*2,54) | 1,29 (1,64) | *2,36 (*2,36) | 1,14 (1,48) | 5,34 m |
| 0 | | | *4,35 (*4,35) | 2,88 (3,74) | *3,19 (*3,19) | 1,86 (2,34) | *2,41 (*2,41) | 1,26 (1,61) | *2,26 (*2,26) | 1,15 (1,5) | 5,19 m |
| -1.0 | *4,61 (*4,61) | *4,58 (*4,58) | *4,27 (*4,27) | 2,92 (3,8) | *3,13 (*3,13) | 1,8 (2,29) | *2,43 (*2,43) | 1,3 (1,66) | *2,27 (*2,27) | 1,18 (1,56) | 4,83 m |
| -2.0 | *4,5 (*4,5) | *4,26 (*4,26) | *4,01 (*4,01) | 3 (3,92) | *3,05 (*3,05) | 1,75 (2,23) | | | *2,43 (*2,43) | 1,19 (1,65) | 4,20 m |

NY!

ES 95 TR



Front



Side

Unit: ton

Blade raised, Optional Arm (2110 mm)

() the values in parenthesis are with additional ballast: 0.8 ton

| A (m) | B (m) | | | | | | | | | | |
|-------|---------------|---------------|--------------|---------------|--------------|--------------|--------------|-------------|-------------|-------------|--------|
| | 2.0 | | 3.0 | | 4.0 | | 5.0 | | MAX | | |
| | | | | | | | | | | | |
| 5.0 | | | | | 1,84 (*2,71) | 1,59 (*2,41) | | | 1,29 (1,82) | 1,1 (1,62) | 4,28 m |
| 4.0 | | | | | 1,86 (*2,72) | 1,63 (*2,46) | 1,6 (*2,28) | 1,41 (1,77) | 1,27 (1,67) | 1,07 (1,48) | 4,99 m |
| 3.0 | | | | | 1,98 (*2,87) | 1,72 (*2,57) | 1,53 (*2,2) | 1,33 (1,69) | 1,25 (1,61) | 1,06 (1,42) | 5,42 m |
| 2.0 | | | 2,77 (*3,71) | *3,04 (*3,04) | 1,99 (*2,88) | 1,75 (*2,6) | 1,83 (*2,54) | 1,3 (1,65) | 1,23 (1,57) | 1,04 (1,37) | 5,65 m |
| 1.0 | | | 3,22 (*3,91) | 2,8 (3,55) | 2,02 (*2,92) | 1,78 (2,27) | 1,44 (1,8) | 1,24 (1,6) | 1,21 (1,54) | 1,02 (1,35) | 5,69 m |
| 0 | | | 3,69 (*4,04) | 2,84 (3,69) | 2,04 (*2,93) | 1,81 (2,3) | 1,39 (1,75) | 1,21 (1,57) | 1,22 (1,57) | 1,03 (1,37) | 5,55 m |
| -1.0 | *4,57 (*4,57) | *4,54 (*4,54) | 3,19 (*3,95) | 2,88 (3,75) | 1,99 (*2,87) | 1,76 (2,25) | 1,31 (1,67) | 1,26 (1,62) | 1,26 (1,64) | 1,06 (1,44) | 5,22 m |
| -2.0 | *4,46 (*4,46) | *4,21 (*4,21) | 3,26 (*3,78) | 2,95 (3,87) | 1,93 (*2,81) | 1,71 (2,19) | | | 1,26 (1,72) | 1,07 (1,52) | 4,65 m |

Blade lowered, Optional Arm (2110 mm)

() the values in parenthesis are with additional ballast: 0.8 ton

| A (m) | B (m) | | | | | | | | | | |
|-------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|-------------|---------------|-------------|--------|
| | 2.0 | | 3.0 | | 4.0 | | 5.0 | | MAX | | |
| | | | | | | | | | | | |
| 5.0 | | | | | *2,38 (*2,38) | *1,59 (*2,41) | | | *1,61 (*1,61) | 1,1 (1,62) | 4,28 m |
| 4.0 | | | | | *2,55 (*2,55) | *1,63 (*2,46) | *1,82 (*1,82) | 1,41 (1,77) | *1,63 (*1,63) | 1,07 (1,48) | 4,99 m |
| 3.0 | | | | | *2,8 (*2,8) | *1,72 (*2,57) | *1,91 (*1,91) | 1,33 (1,69) | *1,57 (*1,57) | 1,06 (1,42) | 5,42 m |
| 2.0 | | | *4,01 (*4,01) | *3,04 (*3,04) | *2,84 (*2,84) | *1,75 (*2,6) | *2,21 (*2,21) | 1,3 (1,65) | *2 (*2) | 1,04 (1,37) | 5,65 m |
| 1.0 | | | *4,17 (*4,17) | 2,8 (3,04) | *3,09 (*3,09) | 1,78 (2,27) | *2,49 (*2,49) | 1,24 (1,6) | *2,24 (*2,24) | 1,02 (1,35) | 5,69 m |
| 0 | | | *4,3 (*4,3) | 2,84 (3,69) | *3,15 (*3,15) | 1,81 (2,3) | *2,37 (*2,37) | 1,21 (1,57) | *2,14 (*2,14) | 1,03 (1,37) | 5,55 m |
| -1.0 | *4,57 (*4,57) | *4,54 (*4,54) | *4,22 (*4,22) | 2,88 (3,75) | *3,09 (*3,09) | 1,76 (2,25) | *2,39 (*2,39) | 1,26 (1,62) | *2,15 (*2,15) | 1,06 (1,44) | 5,22 m |
| -2.0 | *4,46 (*4,46) | *4,21 (*4,21) | *3,97 (*3,97) | 2,95 (3,87) | *3,01 (*3,01) | 1,71 (2,19) | | | *2,31 (*2,31) | 1,07 (1,52) | 4,65 m |