

Concrete solutions. Always





LIKE THE GREATEST, JUST SMALLER.





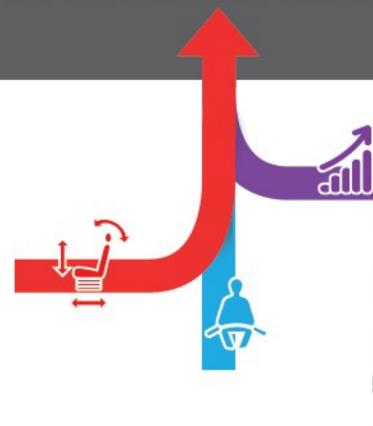




USB RADIO

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 TAKO 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 work area while remaining comfortably seated.







WORKLIGHTS

Powerful lights built into the arm and in the lower compartments optimize visibility even with low lighting.



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 35 up to 85 lt/min.



FLEXIBILITY, COMPACTNESS, ERGONOMICS.

The practical additional 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 KUBOTA V2607-DI 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 down time.

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.





MAINTENANCE HAS NEVER BEEN SO EASY.









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

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.





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



A practical tool compartment is available to the operator on the machine entry side.

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.

SPACE FOR SERVICES



THE IMPORTANCE OF BEING RELIABLE.





ECS: ONE CONCEPT, NUMEROUS POSSIBILITIES.

UTILITIES AND SERVICES

We listen to all your needs so we can propose the best possible machine solution.

We consider our products to be not only simple machines but the best opportunity for our clients.

Among the services provided, the following are available:

Customized paint
Various types of tracks
Auxiliary line hookups customized
by type and quantity
Additional equipment

The many configurations available allow you to make the best choice in relation to the work to be performed.



SATELLITE MONITORING SYSTEM.



OPTIONALS.

The wide range of equipment especially designed for Eurocomach mini excavators ensures the most appropriate use of the machine, maximizing performance.

A complete offer of optional fittings en sures the best performance.



Triple pedal arm



Proportional electronic roller for auxiliary hydraulic system on left Joystick





Certified and tested lifting hook and blocking valves with CE certification for material handling equipment



Additional front and rear protective grills with FOPS level II certification



Hydraulic dozer tilt angle backfill blade with extension and additional cutting edge guard





Single/double effect hydraulic system with electrical Hydraulic thum b containment (70 lt/min)



Customized paint

F	S 60	TR	
ES 571			
	<u>- 1</u>		
ES SOZT	_	_	
ENGINE			
Diesel engine, 3 cylinders, displacement 2615 cc, watercooled	٠	٠	•
Bedronicthrottlewithautomaticidle speed system (Auto Idle)	٠	•	•
Bectric preheater	•	٠	•
Dry air filter with discharge valve and filter dogged in dicator	•	•	•
Double car tridge air filter	•		•
Cartridge engine oil filter	•	•	•
	÷	-	÷
Cartridge fuel filter	_	•	_
Fuel filler with transparentwaler separation container	•	•	•
Fuel tank discharge	•	•	•
Auxiliary liquid refrigerant expansion - lank	٠	٠	٠
CAB			
Oab ROPS-TOPS-FOPS(Level I)	٠	٠	٠
Adjustable mechanical suspension seat	•	•	•
Adjustable pneuma (ic suspension sea t	0	0	0
Adjustable, heated pneumatic	0	0	0
suspension sea t			•
Safety Belt			_
Bbow suppor tarm rest	•	•	•
Footsupports	•	•	•
Closable motion petals	•	•	•
Comfor trubber footrest	•	•	•
Drivers seatplatform assembled on 4 vibration damping elastic supports	٠	٠	٠
Air-conditioning with automatic adjustment	0	•	•
Siding rightside window		•	•
Siding left side window	•	•	
Windshield with assisted opening	•	•	•
system (gas springs)	_	_	_
Rolling sun blind	•	•	•
Courteylight	•	•	•
Indica for lightfor hydraulic filter and engine air intake filter dog	٠	٠	٠
Water temperature and fuel level indicators	•	•	•
Counter	•		
High water temperature alarm	•	•	•
Warning buxer	•	•	•
Radio A M/F MUSB	0	0	0
Single pole 12 voltpower supply outlet Frontwindshield wipers with sprayer	•	•	•
and speed control	•	•	*
Govecompartment	•	_	_

	S 60	TR	
ES 57	ZT		
ES 90 ZT			
CANOPY			
4 upright rollbar ROPS-TOPS-FOPS (Level I)	0	0	0
Adjustable mechanical suspension seat	٠	•	٠
Adjustablepneumaticsuspension seat	0	0	0
Safety Bellt	٠	٠	٠
Elbow supportaminests	٠	٠	٠
Footsupports	٠	٠	٠
Closablemotion petals	٠	•	٠
Comfor trubber footrest	٠	٠	٠
Drivers sea tpla form assembled on 4 vibra fon damping elastic supports	٠	•	٠
In dicator light for hydraulic filter and engine air intake filter dog	٠	٠	•
Water temperature and fuel level indicators	٠	•	٠
Counter	٠	•	•
High water temperature alarm	٠	٠	٠
Warning buzzer	•	•	•
Single pole 12 vdt power supply autlet	•	•	•
Glove compariment	٠	•	•
Bottleholder	•	•	•
SA FETY Machine blocking device during exity access to the driver's seat	٠	•	٠
Engineignition device only with the left console lowered	•	•	•
Anti-slip dimbing plate	•	•	•
Gimbing and descending handles	•	•	•
Emergency bar	•	•	•
Rearview mirror kilt Rearview camera kitwith dedicated	•	•	•
colour moni tor	0	0	0
Upper POPS (level II) protective grille	٥	0	0
Front cab protective grille	0	0	0
An ú-driftsafely valve on the firstam, second arm and baddfill blade	0	0	0
Pressure accumulator that allows the arm to be lowered in the event of an engine failure	•	•	٠
ELECTRIC SYSTEM			
Work lights on the lifting arm	•	•	•
Supplementary work lights on the lifting arm	0	0	0
	0	0	0
Supplementary front canopy Asp lights			
	0	0	0

Water (ght connectors (IPGF)

Hydraulic oil in takefilter Rota (on parking brake Motion parking brake Two speed motion system Automatic movement speed change (Shi'll down) Single/double effect thydraulic 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 UNDERCARRIAGE Backfill blade Adjustable backfill blade O core blade cylinder protective casing Motion engines casing Motion engines casing Pota ting joint protective casing Albert roads Robating joint protective casing Albert road pad for iron trads O core blade cylinder protective casing Rubber road pad for iron trads O core service system for locating and remote diagnostics Second excavating arm 1,500 mm Additional external counterweight O C	ES 57:	S 60	TR	
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4 and oring points for lifting On-board visual fuel level indicator Fuel refill pump with automatic shutdown	'Roadliner track' rubberized pad Iron tracks Rubber road pad for iron trades 4 anchoring points for transport UTILITY Antitheft system Geo-service system for localling and remote diagnostics Second excavaling arm 1,500mm Second excavaling arm 1,600mm Additional external counterweight	0 0 0 0 0 0 7 0	0 0 0 / • 0 0	0 0 0 /
Fuel refill pump with automatic o o o	'Roadiner track' rubberized pad Iron tracks Rubber road pad for iron trades 4 anchoring points for transport UTILITY Antitheft system Geo-service system for localing and remotediagnostics Second excavaling arm 1,500mm Second excavaling arm 1,650mm Second excavaling arm 1,900mm Additional external counterweight Platform roll bar / (ppable cab	0 0 0 0 0 7 0 0 0	0 0 0 / • 0 0 •	0 0 0 7 0 0 0
shuldown	'Roadiner track' rubberized pad Iron tracks Rubber road pad for iron trades 4 anchoring points for transport UTILITY Antitheft system Geo-service system for localing and remote diagnostics Second excavaling arm 1,500mm Second excavaling arm 1,650mm Second excavaling arm 1,900mm Additional external counterweight Platform roll bar / (ppable cab) Cdour outtomizations (RNL specific)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 / • 0 0 •	0 0 0 7 0 0 0
	'Roadiner track' rubberized pad Iron tracks Rubber road pad for iron trades 4 anchoring points for transport UTILITY Antitheftsystem Geo-service system for localing and remotediagnostics Second excavaling arm 1,500mm Second excavaling arm 1,600mm Additional external counterweight Platform roll bar / fippable cab Cdour oustomizations (PAL specific) 4 anchoring points for lifting	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 / • 0 0 •	0 0 0 7 0 0 0 0
	'Roadiner track' rubberized pad Iron tracks Rubber road pad for iron trades 4 anchoring points for transport UTILITY Antitheft system Geo-service system for localing and remote diagnostics Second excavaling arm 1,500mm Second excavaling arm 1,650mm Second excavaling arm 1,900mm Additional external counterweight Platform roll bar / (ppable cab) Cdour oustomizations (RNL specific) 4 anchoring points for lifting On-board visual fuel level indicator Fuel refill pump with automatic	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 / • 0 0 •	0 0 7 0 0 0 0 0 0
Lifting cylinder protective casing • • •	'Roadliner track' rubberized pad Iron tracks Rubber road pad for iron trades 4 anchoring points for transport UTILITY Antitheft system Geo-service system for localing and remote diagnostics Second excavaling arm 1,500mm Second excavaling arm 1,500mm Additional external counterweight Platform roll bar / (ppable cab Cdour customizations (PAL specific) 4 anchoring points for lifting On-board visual fuel level indicator Ruel refill pump with automatic shutdown	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 / • 0 0 •	0 0 0 7 0 0 0 0 0

ES 90 UR

ES 85 SB

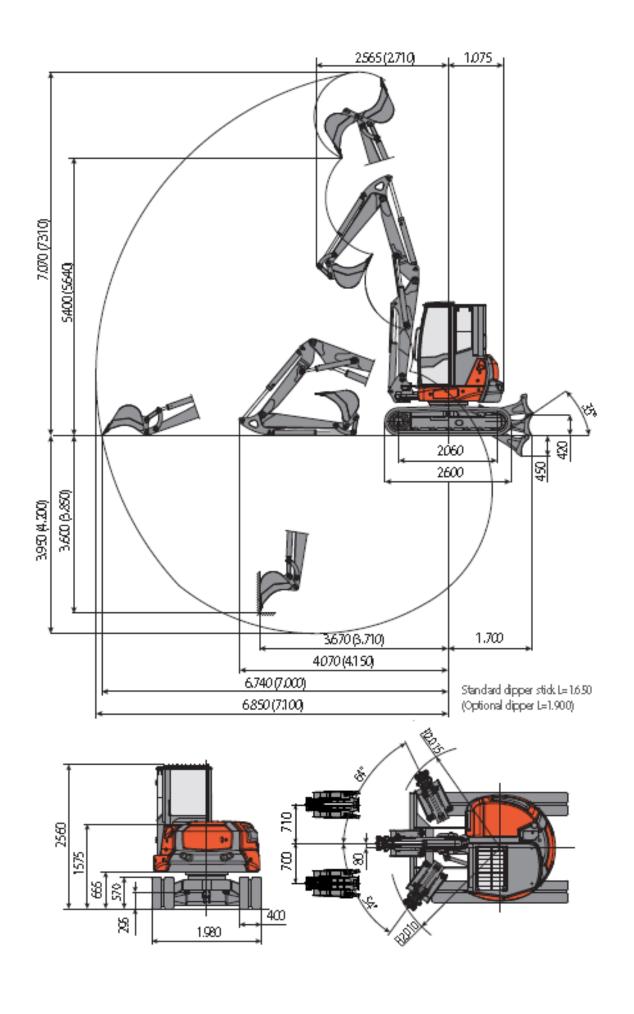
ES 95 TR

ES 85 ZT

Backfill blade	•	•	•	•
Adjustable backfill blade	0	0	0	0
Adjustable and tilting backfill blade	0	0	0	0
Dozer blade cylinder protective casing	•	•	•	•
Motion engines casing	•	•	•	•
Rotating joint protective casing	•	•	•	•
Rubber tracks	•	•	•	•
"Roadliner track" rubberized pad	0	0	0	0
Iron tracks	0	0	0	0
Rubber road pad for iron tracks	0	0	0	0
4 anchoring points for transport	•	•	•	•
White	14. 18. 14. 1			
Antitheft system	0	0	0	0
Geo-service system for locating and remote diagnostics	•	•	•	•
Second excavating arm 1,760 mm	•	•	•	•
Second excavating arm 2,110 mm	0	0	0	0
Additional internal counterweight	0	•	•	•
Additional external counterweight	0	0	0	0
Colour customizations (RAL specific)	0	0	0	0
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

Operating weight with canopy (with rubber tracks)	kg	5.990
perating weight with cabin (rubbertracks)	kg	6.090
ravelling speed (AUTO TWO SPEED)	km/h	15.0 ÷ 2,6 / 25.0 ÷ 5,2
ilew speed	rpm	11
NGINE		
уре	k	(UBOTA V2607-DI
Vlax Power (2.200 rpm)	kw - HP	33,8-46,0
Displacement	oc oc	2.615
lumber of cylinders	n*	4
Cooling		water
Consumption	lt/h	6,1
\temator	V (A)	12 (60)
Rattery	V (Ah)	12 (100)
IY DRAULIC SYSTEM		
	load sensir	ng closed center system with
Dirouit Type		sharing control valve
	1	svariable pump+
oump type		1 gearpump
oump displacement	oc	65 +8
oump capacity	łt/min	140 + 17
Max.circuit calibration pressure	bar	260
	capacity It/min	35÷90 (70)
	pressure bar	260 (200)
'ERFORMANCES		
Wax digging depth standard arm (optional arm)	mm	3.950 (4.200)
Max dumping height with cab standard arm		3.330 (4.200)
optional arm)	mm	5.400 (5.640)
Bucket breaking force (standard arm) ISO 601 5	daN	4.500
Arm breaking force (standard arm) ISO 6015	daN	2,800
raction force	daN	5.200
		5.200
āro und bearing pressure with rubber tracks and car with cabin)	nopy kg/cm²	0,36 (0,37)
· · · · · · · · · · · · · · · · · · ·		600/ 200
Maxslope DIMENSIONS		60% - 30°
onviewsiows Maximumwidth		1.000
	mm	1.980
Total height	mm	2.560
Rear rotation radius	mm	1.075
Digging arm length std (optional) Fracks width	mm	1.650 (1.900)
	mm	400
Rollers number (for each side)	n*	5/1
FILLINGS	ь	70
Fuel tank	lt .	70
Hydraulic oil tank	lt .	65
Hydraulic circuit capacity	lt .	85
Cooling system capacity	lt .	12
Engine oil	lt	9
CONTROLS		
Boom, dipper stick, bucket and turnet swing		2 pilot joysticks
Frack movements (included counter rotation)		2 pilot levers
Dozerblade		1 pilot lever
Auxiliary circuit (simple or double effect)	the state of the s	rtional switch on right joystick



LIFTING CAPACITY

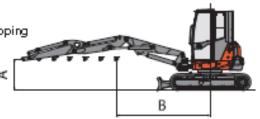
The lifting capacity is based on ISO 10567 and does not exceed 75% of the static tipping load or 87% of the hydraulic lifting capacity of the machine.

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.





Blade raised, Standard Arm (1650 mm) () the values in parentheds are with additional ballast: 02 ton

		B (m)											
h /1			20		3.0		4.0		5.0		MAX		
A (m)	ů	å	40	å	40	å	40	å	40	å	40	å	*
5.0							1,16(1,26)	0,9 (1)			0,73 (0,62)	Q67 (0,76)	4,26m
4.0					1,68(1,68)	1,4 (1,41)	1,15 (1,15)	0,93 (0,93)	0,9(0,97)	059(Q66)	0,67 (0,74)	Q6((),66)	5,14m
3.0					1,65 (1,65)	1,4(1,4)	1,14(1,14)	0.93 (0.93)	d&(ហ)	Q6(Q67)	0,61 (0,67)	daz(0'et)	5,65m
20					1,61 (1,61)	1,38(1,38)	1,13 (1,13)	0,92 (0,92)	Q92 (Q99)	Q& (Q7)	0,57 (0,62)	Q48(0,54)	5,93 m
1.0					1,57 (1,57)	1,37 (1,37)	1,12 (1,12)	Q9(Q9)	Q9I (Q96)	0,63 (0,71)	054(059)	Q49(Q55)	5,99m
0	12,78(12,78)	261(261)			159(159)	1,32 (1,32)	1,13 (1,13)	0,67 (0,67)	0,93 (1)	0,69(0,76)	0,6(0,65)	Q54(0,59)	5,86m
-1.0	ሚያን(ሚያን)	*259(*259)	*261 (*261)	¶,66(¶,66)	156(156)	13(13)	1,1 (1,1)	0,63 (0,63)	0,9(0,97)	0,64(0,71)	0,84(0,9)	daz (0'et)	5,51m
-20	*269(*269)	2,56(2,56)	267 (267)	1,7(1,7)	1,5 (1,5)	1,31 (1,31)	1,08(1,08)	075 (075)			0,75 (0,62)	06(Q 6 7)	4,90m
-3.0			261 (261)	ባ,67 (ግ,67)	1,35 (1,49)	1,35 (1,49)					0,9 (1)	Q73 (O,68)	3,85m

Blade lowered, Standard Arm (1650 mm) () the values in parentheds are with additional ballast: 02 ton

	B (m)													
			20		20 3.0		4.	4.0		5.0		MAX		
A (m)	ů	å	40	å	40	å	٥	å	40	å	40	å		
5.0							*1,39(¶,39)	0,9 (1)			*0,69(*0,69)	Q67 (0,76)	4,26m	
4.0					ሚ06(ሚ06)	1,41 (0)	"1,43("1,43)	0,93 (0,93)	ግ,08 (1,08)	059(Q66)	"Q7 ("Q7)	Q41 (0,46)	5,14m	
3.0					728(728)	1,4 (1,4)	ግ,ዩን(ግ,ዩን)	0,93 (0,93)	ግ,00 <i>(</i> ግ,09)	Q6(Q67)	*0,78(*0,78)	daz(0'et)	5,65m	
20					J34(J34)	136(1,4)	ካ ,6(ጣ,g)	0,92 (0,92)	ጣ 2(ጣ2)	Q& (Q7)	*0,66(*0,66)	Q48(0,54)	5,93 m	
1.0					2,49(2,49)	1,37 (1,36)	ግ <i>ፅን(</i> ግ <i>ፅን</i>)	Q9(Q9)	ግ,36 (*1,26)	0,63 (0,71)	0,92(*0,92)	Q49(Q55)	5,99m	
0					251(251)	1,32 (1,37)	ግ,ዛ(ግ,ዛ)	0,67 (0,67)	ባ, ፩ (1,8)	0,69(0,76)	*0,99(*0,99)	Q54(0,59)	5,86m	
-1.0	2,78 (2,78)	*261(*261)	*269 (*269)	ባ,66(ግ,66)	ನಚಿಸು	1,3 (1,32)	ግ <i>(</i> 6(ግ <i>(</i> 6)	0,63 (0,63)	ጣ,28 (*1,28)	0,64(0,71)	0,93(*0,93)	daz (0'et)	5,51m	
-20	12,73(12,73)	J39(J239)	267 (267)	*1,2(¶,3)	2 33(2 33)	131(13)	*1,62(*1,62)	0,75 (0,75)			*0,66(*0,66)	06(Q 6 7)	4,90m	
-3.0	2,69 (2,69)	*256(*256)	261 (261)	ግ <i>,67</i> (ግ,67)	238(238)	1,35 (1,31)					୩୫(୩୫)	Q73 (O,68)	3,85m	







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