



# EUROCOMACH®

ARTICULATED  
BACKHOE LOADERS



## 235K



## 245K



	E.235 K	E.245 K		E.235 K	E.245 K
Engine KUBOTA	V 2203	V 2203	Useful carrying capacity	Kg 1300	Kg 1600
Max power	Hp 45	Hp 50	Bucket width	mm 1350	mm 1450
Operating weight	Kg 2900	Kg 3800	Max height	mm 2520	mm 2560
Teeth breakout force	lt 350	lt 450			



# EUROCOMACH®

The new articulated backhoe loader E.235 K e E.245 K better synthesizes technologies applied to all sitework machines

Comfort



Pallet forks



Asphalt cutting miller



# ARTICULATED BACKHOE LOADERS

E

235K

E

245K



Dung-fork



4 in 1 bucket



## TECHNICAL SPECIFICATIONS

**E.235 K    E.245 K**

### MAINTENANCE

Very easy duty considering upper panels structure with concerned quickness in cabin disassembling (the only one in this kind).

### DRIVE

It is without comparison duty considering natural qualities of backhoe loader, reduced weight and generous tyre's dimension. So you obtain a machine which practically never stop itself.

### SPEED

Higher than 21 km/h (E.235 K) e 23 Km/h (E.245 K) during fast transfer, moreover favourable weight-power relationship allows considerable climbing performances.

### POWER

More than 45 Hp (E.235 K) e 50 Hp (E.245 K) and the considerable piston displacement allow to the performances which could be compared with machines of higher class.

### STABILITY

Assured by a generous wheelbase and by an enlarged track width, that in addition to the low and central barycentre allows to the machine passages like a "trial motor-bike race".

### COMFORT AND ERGONOMICS

The new approved ROPS FOPS cabin still more spacious and luminous, entirely sound proof and pressurized to ensure maximum comfort and efficiency.

### POLY-FUNCTIONALITY

Thanks to various hydraulic sets and to the fast unhooking of front equipment, the machine will easily become an universal implement holder. Moreover the increase of hydraulic system presently allow the use of asphalt milling machine, in order to complete utilizable range of accessories.

### HANDLING

Determined by the approved central pivot which permit, thanks to the reduced steering angle, to operate in the most difficult sitework assuring the max. speed of operating cycle.

Snow turbine



### ENGINE

Manufacturer and type	KUBOTA	V 2203	V 2203
Max power E.235 K		(2800 g) Kw 33,7 - Cv 45	
Max power E.245 K		(3000 g) Kw 36,76 - Cv 50	
Displacement	cm <sup>3</sup>	2197	2197
Cylinders n°		4	4
Iniezione		indirect	indirect
Cooling system		water	water
Consumption	Lt./h	3	3
Fuel tank capacity	Lt.	50	50
Alternator	Ah	80	80
Battery	12 volts - Ah 300		

### INTEGRAL HYDROSTATIC TRANSMISSION

Type: hydrostatic with variable pump and motor, coupled to a dinaflo at two ratio by electrohydraulic command

Speed	km/h	0-8	0-10
Transfer	km/h	0-21	0-23,5

### FRAME AND STEERING

Frame: articulated by the central pivot  
 Steering angle: 80°  
 Oscillation angle: 20°  
 Steering: controlled by hydraulic steering "Load Sensing"

### AXLES AND TYRES

Axles: Rigid with epicyclic gearing  
 Tyres: 10/75-15.3    12/16.5

### BRAKES

Service brakes: Incorporated axles multiple disk in oil bath  
 Parking brakes: Mechanical, acting in the transmission with manual control

### HYDRAULIC SYSTEM

Pump: Nr. 1 gear pump for hydraulic utilization  
 Capacity: max Lt/min 46,5  
 Pressure: Bar 175    180  
 Feature: New FLOW-SENSING feature for rapid and various contemporary movements

### OPTIONAL

Hydraulic prearrangement for asphalt milling machine or snow turbine (90 l/min. at 180bar)  
 Rexroth pump set with speed reducing card from 0 to 500 meters / hour

### CAPACITIES

Engine oil	lt	9,5	9,5
Water coolant	lt	10	10
Diesel	lt	50	50
Hydraulic oil	lt	47	47

### FRONT SHOWEL

Capacity	lt	350	450
Width	mm	1350	1450
Fork breaking force	kg	1300	1600
Teeth breakout force	kg	3400	3600
Weight with backhoe:	kg	2900	3800

### BACKHOE

Teeth breakout force	kg	2600	2750
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## DIMENSIONS

**E.235 K**

**E.245 K**

### DIMENSIONS (mm)

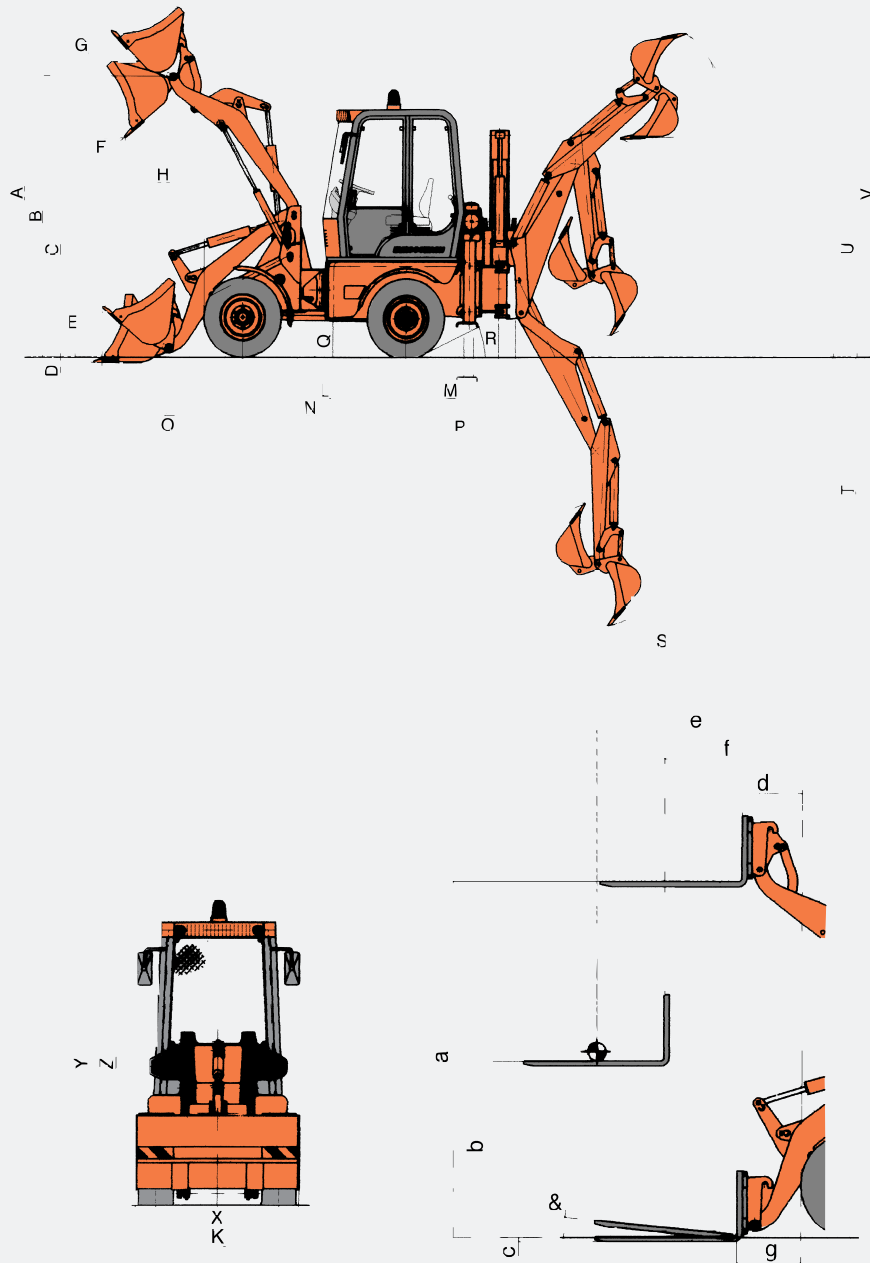
<b>A</b>	Max height	3470	3500
<b>B</b>	Height to pin	2830	2860
<b>C</b>	Max dumping height	2240	2280
<b>D</b>	Loading depth (shovel horiz.)	53	53
<b>E</b>	Shovel carrying angle at ground level	41°	41°
<b>F</b>	Shovel dumping angle at max height	40°	40°
<b>G</b>	Shovel carrying angle at max height	46°	46°
<b>H</b>	Reach with shovel max height	824	830
<b>I</b>	Extension from front axle	1450	1450
<b>L</b>	Wheelbase	1680	1680
<b>M</b>	Extension from rear axle	965	965
<b>N</b>	Max length	4265	4265
<b>O</b>	Extension from front axle with shovel grounded	1540	1540
<b>P</b>	Distance from rear axle to axis of back hoe rotation	1135	1135
<b>Q</b>	Ground clearance at centre	340	360
<b>R</b>	Rollback angle	25°	26°
<b>S</b>	Reach from axis of rotation	3474	3600
<b>T</b>	Max digging depth	2850	3000
<b>U</b>	Max carrying height	2620	2740
<b>V</b>	Max working height	3670	3790
<b>Z</b>	Max height without beacon	2520	2560
<b>Y</b>	Rotating light height	2680	2720
<b>X</b>	Track	1095	1095
<b>K</b>	Max width	1350	1450

### FORK ARM CARRIAGE (mm)

<b>a</b>	Maximum lifting height	2710	2730
<b>b</b>	Height with horizontal arms	1320	1340
<b>c</b>	Ground depth	40	40
<b>d</b>	Max height reach	470	470
<b>e</b>	Max reach of centre of gravity	1620	1620
<b>f</b>	Reach with horizontal arms	1100	1100
<b>g</b>	Ground level reach	500	500
	Max backward tipping angle at ground level	20°	20°
	Fork arm carriage width	1200	1200
	Fork length	1100	1100
	Useful carrying capacity	1300	1600

### STEERING DATA (mm)

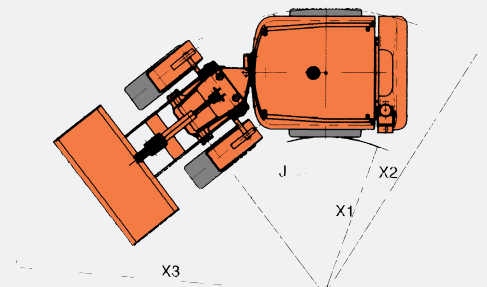
<b>X<sub>1</sub></b>	Inner wheel turning radius	1720	1720
<b>X<sub>2</sub></b>	Outer wheel turning radius	3090	3120
<b>X<sub>3</sub></b>	Max bucket turning radius	3290	3340
<b>J</b>	Steering angle	40°	40°



#### Poly-functionality



#### Handling





## STANDARD EQUIPMENTS

- Closed cabin ROPS (ISO 3471) / FOPS (ISO 3449) with heating system and windscreen wiper, two doors (left and right) with opening to 180° and safety block (E -245 K), front lights
- ROPS FOPS canopy with front lights (E-235 K)
- Hydrostatic transmission with double pump (variable flow)
- Adjustable seat with seat belt and safety bar
- Mechanic quick front coupling
- Standard backhoe with mm 300 bucket
- Mechanic quick coupling of the backhoe unit
- Front standard bucket, width mm 1350 (E-235 K) and mm 1450 (E-245 K), with teeth
- Accelerator by pedal and/or lever
- Cover-teeth blade for road circulation
- n.2 rear view mirrors
- 12V electric outlet
- Fuel tank cap with key
- Anti-vandalism oil tank cap

## OPTIONAL EQUIPMENTS

- Hydraulic prearrangement for asphalt milling machine or snow turbine (90 l/min. at 180bar)
- Rexroth pump set with speed reducing card from 0 to 500 meters / hour
- Asphalt milling machine width mm 400 depth mm 150
- Snow turbine
- 4 in 1 front bucket
- Concrete mixing front bucket
- Hydraulic sweeper bucket
- Front hydraulic quick coupling
- Pallet forks with plate (length = mm 1000)
- Front bucket teeth-guard blade for levelling
- Front bucket suppl. blade (instead of teeth)
- Rear ballast (to be mounted instead of the backhoe by a mechanic quick coupling)
- 150 kg. hydraulic hammer – to be mounted on backhoe
- Hydraulic drill – to be mounted on backhoe
- Grass cutter for backhoe – width mm 800
- Snow blades



COMPANY  
WITH QUALITY SYSTEM  
CERTIFIED BY DNV  
UNI EN ISO 9001:2000

**SAMPIERANA s.p.a.**

I - 47026 SAN PIERO IN BAGNO (FC)

Via Leonardo Da Vinci, 40

Tel. +39 0543.904211 - Fax +39 0543.918520

www.sampierana.com - info@sampierana.com

Dealer: