



# EUROCOMACH®

MIDI EXCAVATOR

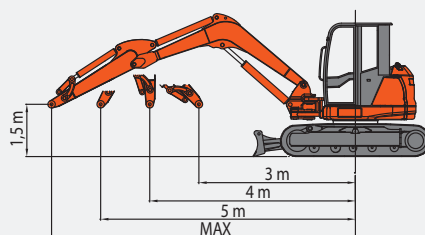
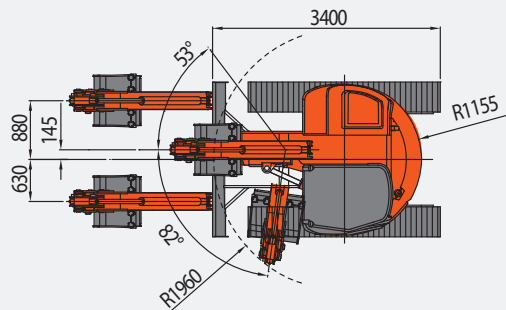
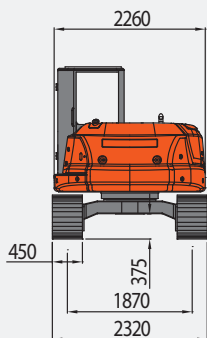
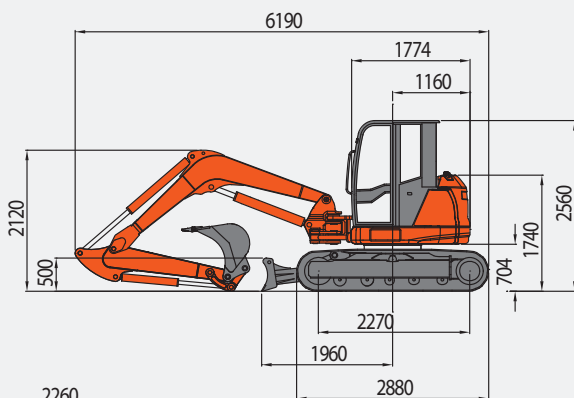
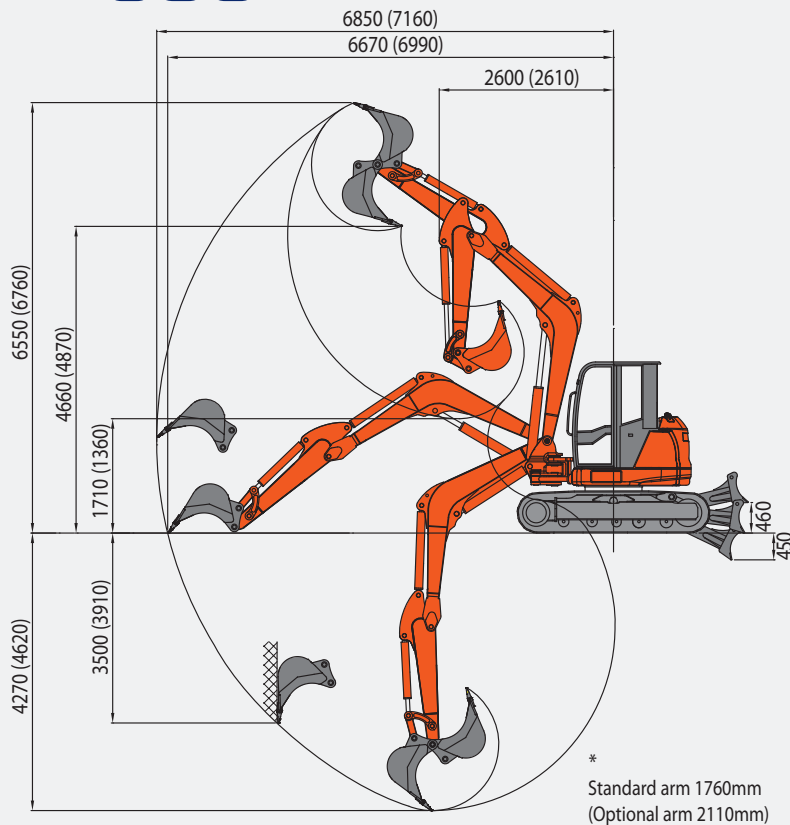
**ES** 850 ZT

**ES** 950 TR






**YANMAR engine**  
**Engine power**  
**Operating weight**

4TNV98  
Kw 46,5 - Cv 63.2  
Kg 8500-9500


**ES 850 ZT - LIFTING CAPACITY**

Opening arm from the rotation's center  
Lifting capacity at 1.5 m height

		3	4	5	max
DOZER FRONT END		3060	2690	2429	2199
IDLER CENTER		2046	1670	1337	1074
CRAWLER CENTER		1953	1575	1238	990

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

**TECHNICAL SPECIFICATIONS**

Weight (rubber tracks)	kg	8.600
Weight (steel tracks)	kg	8.920
Travelling speed "Lo - Hi"	km/h	2,6 - 5,2
Slew speed	rpm	12

**ENGINE**

Type	YANMAR 4TNV98	
Power (2200 rpm)	kw - Hp	46,5 kW - 63.2 Hp
Displacement	cc	3319
Number of cylinders	n°	4
Cooling	water	
Consumption	Lt/h	7,5
Alternator	V (A)	12 (40)
Battery	V (Ah)	12 (100)

**HYDRAULIC SYSTEM**

Type	LOAD SENSING CLOSED-CENTRE SYSTEM WITH FLOW SHARING VALVES	
Pump type	1 LS VARIABLE PISTON PUMP + 1 GEAR PILOT PUMP	
Pump displacement	cc	84 + 9
Pump capacity	lt/min	185 + 20
Auxiliary system	lt/min	100
Circuit calibration pressure	bar	290 - 200 - 35

**PERFORMANCES**

Bucket breaking force (standard arm) ISO 6015	kgf	5500
Arm breaking force (standard arm) ISO 6015	kgf	4000
Traction force	Kgf	7960
Ground bearing pressure (rubber tracks)	kg/cm <sup>2</sup>	0,43
Max slope	60% - 30°	

**DIMENSIONS**

Total width	mm	2320
Max dumping height standard arm (optional arm)	mm	4660 (4870)
Total height	mm	2560
Rear rotation radius	mm	1155
Max digging depth standard arm (optional arm)	mm	4270 (4620)
Digging arm length std (optional)	mm	1760 (2110)
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**

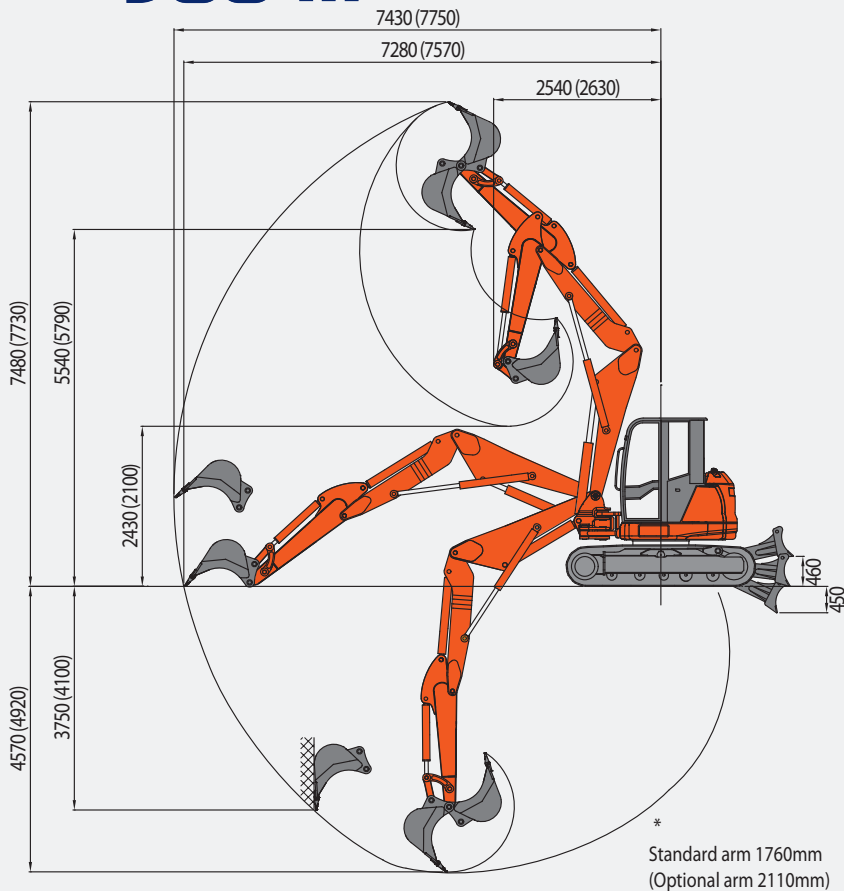
Bucket, boom, swing, slew	2 Joystick
Travel and steering	2 pilot levers
Dozer blade	1 pilot lever
Auxiliary hydraulics system	Electroproportional switch on right joystick
Boom swing	Electroproportional switch on left joystick



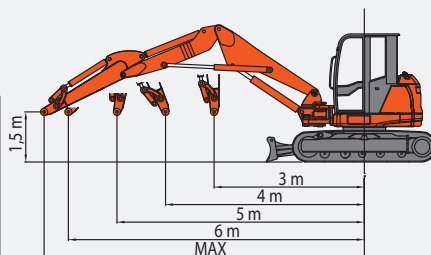
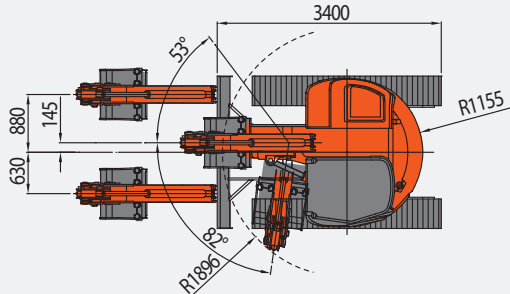
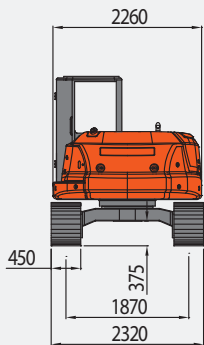
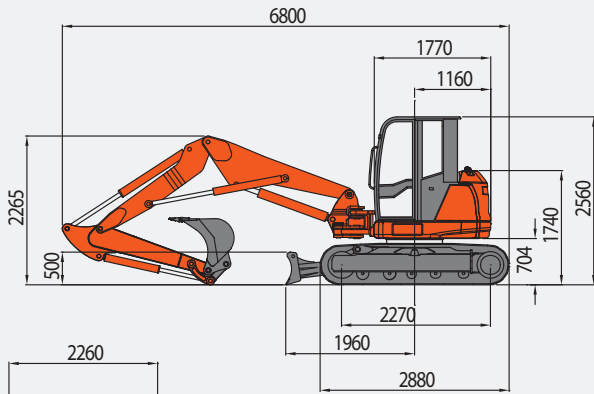
**EUROCOMACH®**

**MIDI EXCAVATOR**

**ES 950 TR**



\* Standard arm 1760mm  
(Optional arm 2110mm)



**ES 950 TR - LIFTING CAPACITY**

Opening arm from the rotation's center  
Lifting capacity at 1.5 m height

	3	4	5	6	max
DOZER FRONT END	4529	3232	2417	2147	2030
IDLER CENTER	3329	2083	1475	1289	1190
CRAWLER CENTER	3016	1810	1313	1135	1040

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

**TECHNICAL SPECIFICATIONS**

Weight (rubber tracks)	kg	9.200
Weight (steel tracks)	kg	9.520
Travelling speed "Lo - Hi"	km/h	2,6 - 5,2
Slew speed	rpm	12

**ENGINE**

Type	YANMAR 4TNV98	
Power (2200 rpm)	kw - Hp	46,5 kW - 63.2 Hp
Displacement	cc	3319
Number of cylinders	n°	4
Cooling	water	
Consumption	Lt/h	7,5
Alternator	V (A)	12 (40)
Battery	V (Ah)	12 (100)

**HYDRAULIC SYSTEM**

Type	LOAD SENSING CLOSED-CENTRE SYSTEM WITH FLOW SHARING VALVES	
Pump type	1 LS VARIABLE PISTON PUMP + 1 GEAR PILOT PUMP	
Pump displacement	cc	84 + 9
Pump capacity	lt/min	185 + 20
Auxiliary system	lt/min	100
Circuit calibration pressure	bar	290 - 200 - 35

**PERFORMANCES**

Bucket breaking force (standard arm) ISO 6015	kgf	5500
Arm breaking force (standard arm) ISO 6015	kgf	4000
Traction force	Kgf	7960
Ground bearing pressure (rubber tracks)	kg/cm <sup>2</sup>	0,46
Max slope	60% - 30°	

**DIMENSIONS**

Total width	mm	2320
Max dumping height standard arm (optional arm)	mm	5540 (5790)
Total height	mm	2560
Rear rotation radius	mm	1155
Max digging depth standard arm (optional arm)	mm	4570 (4920)
Digging arm length std (optional)	mm	1760 (2110)
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**

Bucket, boom, swing, slew	2 Joystick
Travel and steering	2 pilot levers
Dozer blade	1 pilot lever
Auxiliary hydraulics system	Electroproportional switch on right joystick
Boom swing	Electroproportional switch on left joystick



## STANDARD EQUIPMENTS

- TOPS (EN 13531) - FOPS (ISO 3449) cabin complete with air conditioning and stereo
  - Board computer with multifunctional display (diagnostic, emergencies report )
  - Auto idle (automatic deceleration)
  - Rubber tracks 450 mm
  - Dozer blade width 2320 mm
  - Automatic emergency brake on rotation and translation
  - Transkation double speed with "AUTO TWO SPEED"
  - Digging arm 1760 mm
  - Servo-control hydraulic joysticks with proportional electro-hydraulic control to: swing; single and double acting hydraulic system (eg. hammer or auger); double-acting hydraulic low-flow system
- (eg. swinging bucket or grapes with rotator); hydraulic system with 100 l/min flow at constant 200 bar for milling and cutting head.
  - N°3 rear view mirrors
  - Ignition passe (universal key for all the locks of the machine)
  - Adjustable seat with rests and seat belts
  - Air dry filter with electric indicator of clogging
  - Spare parts book, use and maintenance book and tool chest
  - Working light on arm and turret
  - Cylinders protection (boom and dozer)
  - Security valves on 1st and 2nd arm ES950TR
  - Electric pump for fuel tank filling

## OPTIONAL EQUIPMENTS AND FITTINGS

- Steel tracks with steel/rubber pads
  - Digging arm 2110 mm
  - Security valves ( on 1st arm, 2nd arm and bucket arm ) ES850ZT
  - Working lights and rotating lamp on the cabin
  - Mechanic or hydraulic quick coupling for buckets or fittings
  - Ditching buckets up to 1000 mm
  - Ditching clearing buckets up to 1800 mm (both fixed or tilting)
  - Trapezoidal buckets
  - Hydraulic hammer
- Grass cutters
  - Milling asphalt machine
  - Hydraulic grapples for logs, handling grapples, crushers
  - Drill
  - Trenchers
  - Certified lifting hook
  - EUROCOMACH satellite control system (with integrated anti-theft device )
  - 450 kg. interior extra ballast ES850ZT
  - 800 kg. exterior extra ballast ( rear swing 1300 mm)



**COMPANY  
WITH QUALITY SYSTEM  
CERTIFIED BY DNV**  
**UNI EN ISO 9001:2008**

**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: