



CONCRETE SOLUTIONS. ALWAYS



EUROCOMACH®

STANDARD EQUIPMENTS

- | | |
|---|---|
| <ul style="list-style-type: none"> • TOPS (EN 13531) - FOPS (ISO3449) closed Cabin complete with air conditioner, heating system, wipers, front wash-glass and stereo • 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 • Auxiliary hydraulic circuit (single and double effect) for: hydraulic breakers, drill (arrangement also for rotary cutters with 100 lt/min at 200 bar constant flow) | <ul style="list-style-type: none"> • Ignition passe (universal key for all the locks of the machine) • N°3 rear view mirrors • Adjustable seat with rests and seat belts • Air dry filter with electric indicator of clogging • Service tool compartment • 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 ES900TR • Electric pump for fuel tank filling |
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Ruggieri Graticchi (Mo) printed 04/10

OPTIONAL EQUIPMENTS AND FITTINGS

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| <ul style="list-style-type: none"> • Steel tracks with steel/rubber pads • Digging arm 2110 mm • Security valves (on 1st arm, 2nd arm and bucket arm) ES850ZT • Hydraulic circuit for tilting buckets or for hydraulic rotor • Working lights or hydraulic and rotating lamp on the cabin • Mechanic or hydraulic quick coupling for buckets or fittings • Ditching buckets up to 1000 mm • Ditch clearing buckets up to 1600 mm (both fixed or tilting) • Trapezoidal buckets | <ul style="list-style-type: none"> • Hydraulic hammer • Grass cutters • Milling asphalt machine • Hydraulic grapples for logs, handling grapples, crushers • Drill • Chain ditch digger • Certified lifting hook • Satellite 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 9001:2000** =

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Dealer:

MIDI EXCAVATOR
ES 850 ZT
ES 950 TR

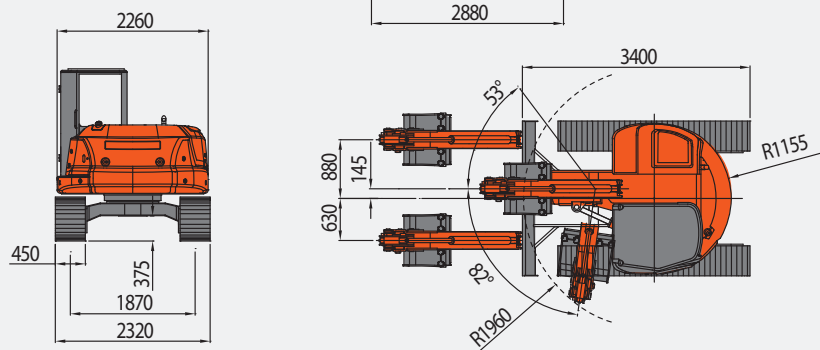
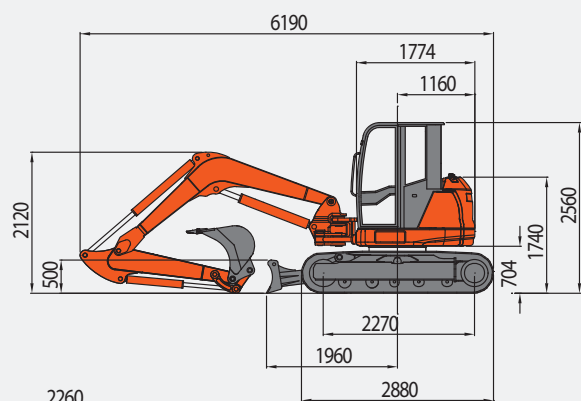
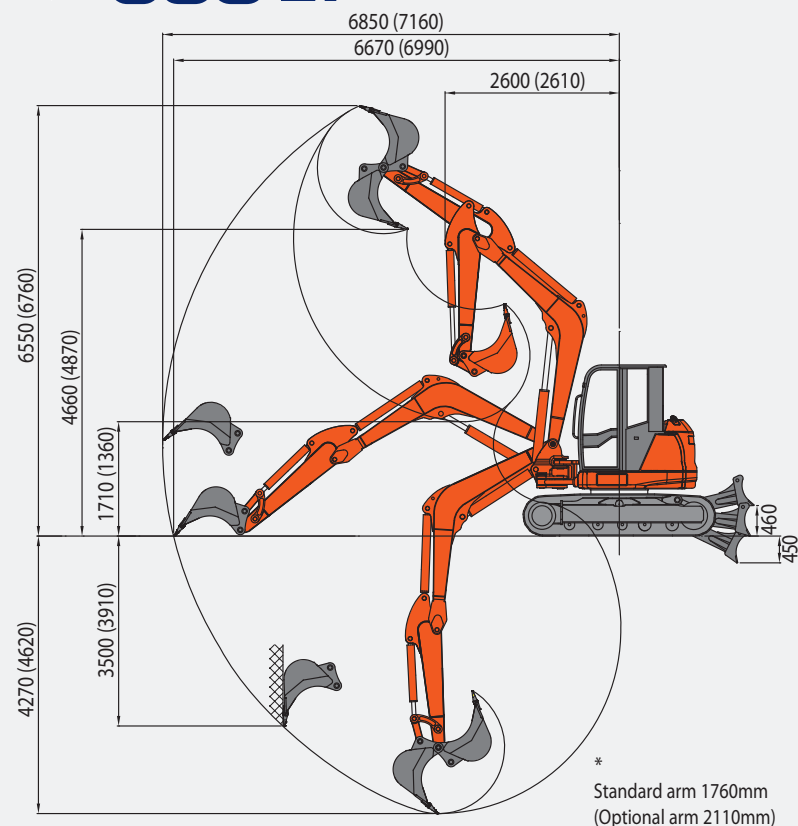


YANMAR engine
Engine power
Operating weight

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

MIDI EXCAVATOR

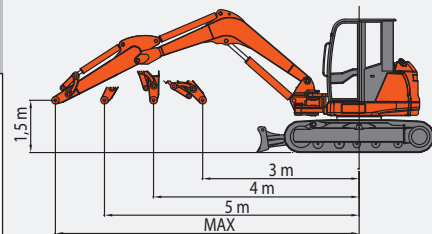
ES 850 ZT



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 1 LS VARIABLE PISTON PUMP + 1 GEAR PILOT PUMP	
Pump type		
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/cm²	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)
Lunghezza braccio scavo std (optional)	mm	1760 (2110)
Tracks width	mm	450
Rollers number (for each side)	n°	5/1 (rubber track) 6/1 (steel track)

FILLINGS

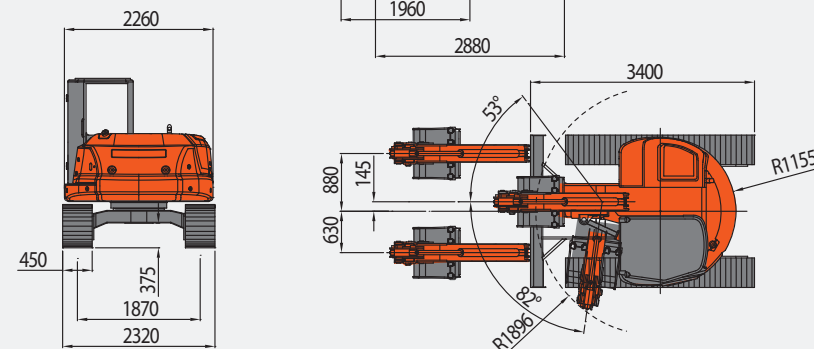
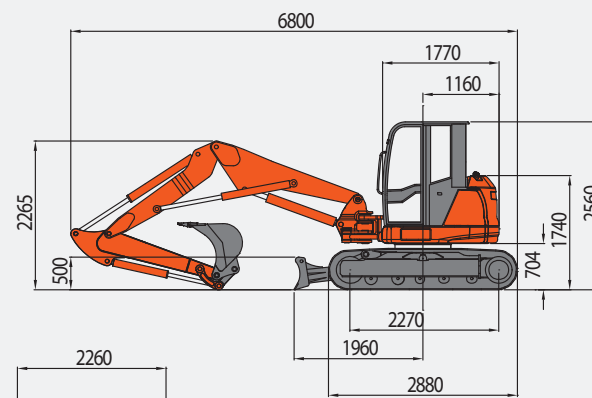
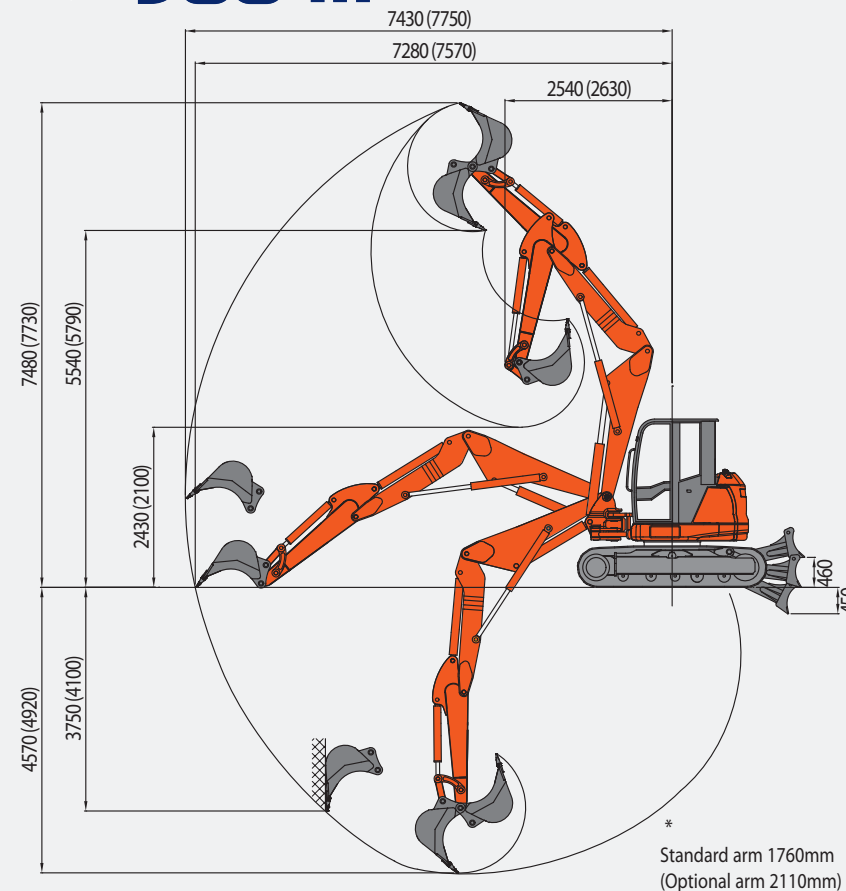
Fuel tank	lt	105
Hydraulic oil tank	lt	90
Hydraulic circuit capacity	lt	120
Cooling system capacity	lt	25
Engine oil	lt	10

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

MIDI EXCAVATOR

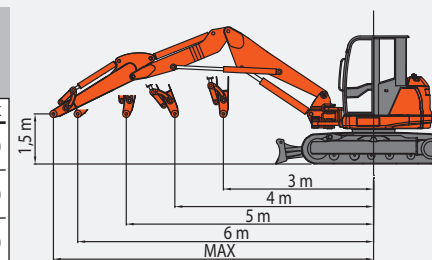
ES 950 TR



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 1 LS VARIABLE PISTON PUMP + 1 GEAR PILOT PUMP	
Pump type		
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/cm²	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)
Lunghezza braccio scavo 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
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