

Unrivalled cutting

1.44 m cutting width

Beneath the Biocut deck, three 53 cm synchronised blades angled at 90° provide a quality finish. The overlap ensures no grass is left uncut, resulting in a 144 cm working width.

Cutting height

Centralised electrically operated cutting height is from 44 to 140mm, with an adjustable low setting mechanical stop.

Ideal for most sites

Measuring just 1.54 metres wide by 2.01 metres long, the hydro 144 combines compact dimensions with high output, making it ideal for use on a wide variety of sites.

Up to 16km/h working speed

Depending on ground conditions, the hydro 144 can work at speeds of up to 16 km/h.

Full use of engine power

A hydraulic pump ensures the hydraulic motors on the rear-wheels have ample power for optimum performance.

Differential lock

On slopes or difficult terrain, there is a differential lock for increased traction.

Tight turning circle

The hydro 144 has a tight turning radius of 125cm. Power-assisted steering and hydrostatic transmission plus good all-round visibility ensure the operator is in full control.

Comfortable and safe

Safety features

The hydro 144 cutting deck is fitted with an electromagnetic clutch and blade brake.

Even weight distribution

For stability and traction, the weight of the hydro 144 is distributed with 40% on the front axle and 60% on the rear.

Lighting

Headlights, taillights, and blinkers are standard on the hydro 144.

Fuel economy

The 19-litre fuel tank gives 7 hours of work.

Ease of maintenance

Direct access to the engine, fluid levels, filters and fuses ensures ease-of-maintenance without the need for special tools.

Adjustable steering console

The steering console is fully adjustable up or down, forward and back.

Seat

The suspension seat with arm rests is fully adjustable for total operator comfort and has backwards and forwards adjustment.

Good visibility

The forward position provides the operator with all-round visibility.

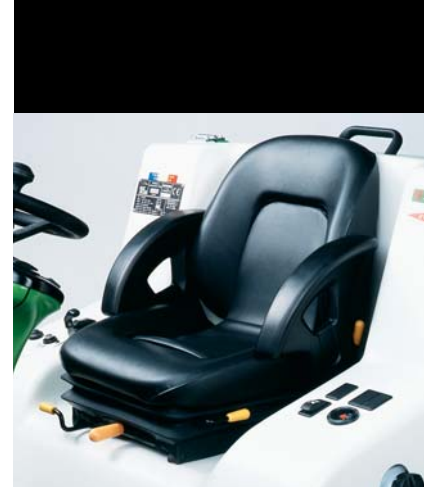
Power steering

Smooth power steering ensures easy-maneuvrability and minimises operator fatigue.

Control

All controls are within easy reach of the operator

- Blades are engaged and disengaged through a switch.
- Cutting height adjustment is centralised.
- Electrically adjusted cutting height.
- Foot pedal controlled parking brake



COMFORTABLE SEAT



ADJUSTABLE STEERING CONTROL



DIRECT ACCESS TO THE ENGINE



MOWS AND MULCHES – EVEN LONG GRASS HAS MET ITS MATCH

ETESIA



An innovative manufacturer with a sound reputation

Founded by a group with over 40 years' experience in the garden machinery industry, ETESIA boasts one of Europe's most modern, high-tech plants. Considerable investment has been made in the latest computerised manufacturing systems to ensure the highest standards of quality. ETESIA's policy of development and improvement ensures that all its products comply with the latest stringent EC regulations.

Specialist back-up

ETESIA products are distributed in over 30 countries world-wide and are backed by a network of outdoor power equipment specialist dealers who provide demonstrations, sales, service and replacement parts.

Tried and tested by professionals

ETESIA's hallmark of exceptional performance is the result of extensive research and development. With a well-earned reputation for high output, reliability and minimum downtime, their quality mowers, brushcutters and ride-ons are repeatedly specified by contractors and local authorities.

ETESIA, Seeing is believing !

The best way to find out more is to try an ETESIA machine for yourself. To book your free demonstration, contact your local dealer or telephone 01926 403319.

ETESIA DEALER

As we constantly aim to improve our products, ETESIA reserves the right to modify specifications of the models presented here without prior notice. Availability according to stock. Photographs and illustrations are not bound by contract. All due reservations made for printing errors.

ETESIA
Seeing is believing

ETESIA UK Ltd, Unit 12 Hiron Way, Budbrooke Industrial Estate, Warwick CV34 5WP
Phone : (01926) 403 319 - Fax : (01926) 403 323 - sales@etesia.co.uk

13 rue de l'industrie - F 67165 WISSEMBOURG CEDEX
Tel. 00 33 (0)3 88 54 89 00 - Fax 00 33 (0)3 88 94 06 24

w w w . e t e s i a . c o m

hydro 144

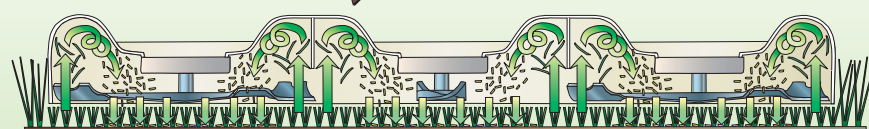
The Bio-Mulcher



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Secrets for successful mulching

Biocut



- Preferably mulch when the grass is dry
- No more than one-third of growth should be removed at each mowing.
- On longer grass, gradually lower the cutting height over several mowings.
- Regularly change direction
- Use the full mowing width
- Adjust the driving speed to suit grass conditions
- Before mowing, inspect the turf for hidden objects

ETESIA



hydro 144

The Bio-Mulcher

1.44 m cutting width. A new, high performance mulching mower that provides a totally natural solution to turf maintenance.

With its 144cm wide Biocut mulching deck, ETESIA's hydro 144 provides environmentally-friendly mowing with significantly reduced time and effort.



H144M

Rugged design for high performance

Chassis

The hydro 144 has two tubular chassis bolted together for strength and durability.

Diesel engine

The hydro 144 is powered by a 25hp, 3 cylinder, water-cooled Lombardini FOCS 1003 diesel engine.

Mulching deck

The Biocut mulching system's specially profiled blade and dome shaped deck retain the cut grass, chopping it into fine particles then blasting them into the sward to decompose naturally.

Transmission

The transmission to the cutter heads is through an angled gearbox and a single-sided notched belt.

Cutting blade control

The blades are engaged through an electromagnetic clutch, with blade brake.

Long-life

For long-life, reliability and trouble free operation, hydraulics are used throughout. Three blades and three belts are the only moving parts on the machine.

Electrics

Dust and water resistant protection on all electrical fittings and lights ensure a reliable electrical connection.

Hydraulics

- Closed circuit hydraulic transmission eliminates loss of power from the engine to the wheel motors and the force-fed pump is mounted directly on the engine.
- The transmission pump is attached directly to the diesel motor.

Hydraulic power steering

The power steering on the hydro 144 has a double-action ram.

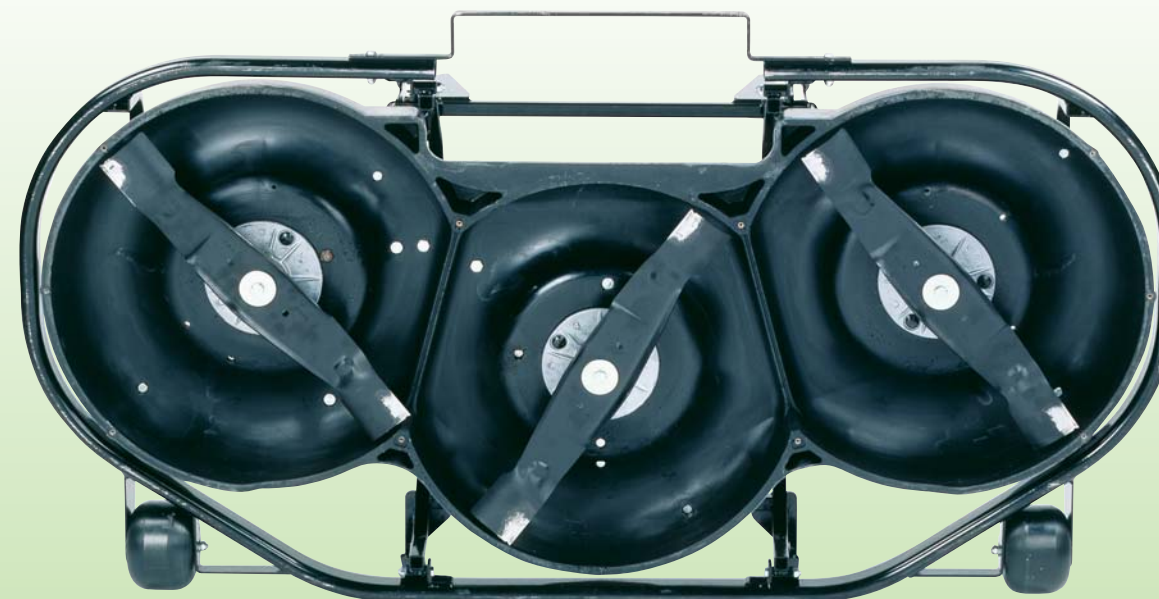
MA 124 (Agrarian wheels option)

For extra traction on difficult terrain.

Spare blades

MZ 144 Mulching blades.

The new Biocut mulching deck



The biocut 144 mulching deck is a mulching system with a 1.44 m cutting width. It consists of three biocut units overlapping and positioned in an arc formation. This cutting unit is characterised by the

bell-shaped profile of the crankshaft and its special ETESIA mulching blade. This unique system is made in Mastershock. It is mounted or removed without any special tools in under 5 minutes.

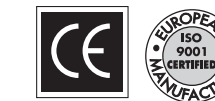


Standards

The ETESIA hydro 144 conforms to all current standards, in particular standard CE PREN 836. It complies with EEC Directive 84/5331 on noise and has a decibel rating

below 105 dB(A). It is certified for road travel in UK, France, Germany, Austria, Italy, Switzerland, Belgium and Holland.

Technical specifications



H144M	
ENGINE	LOMBARDINI FOCS 1003
Type	Diesel direct injection with horizontal axis
Cylinders/cooling	Water cooled 3-cylinder
Capacity	1028 cm ³
Horsepower	25 HP at 3600 rpm
Alternator	12 v - 30 A with regulator
Battery	12 v - 60 A
Starter	Electric 12 V
Fuel	Diesel
Fuel tank capacity	19 L
Fuel consumption	7 hours in normal conditions
Oil capacity	2,4 L - with filter
TRANSMISSION AVANCE	
Transmission	Hydraulic wheel motors
Speed	From 0-16 km/h forward or reverse
Oil capacity	33 litres reservoir
Differential lock	Hydraulic
TRACTOR	
Frame	Multi-tubular mechanical welded frame
Steering	Hydraulic power steering
Tyres	Front: 16 x 7,5 - 8 / 1,2 bar - Rear: 23 x 10,5 - 12 / 1,2 bar
Turning radius	1,25 m
Braking system	Built-in hydraulic system - Disk parking brake
Weight	671 Kg
Steering console	Adjustment 70 mm in height - Adjustment of angle at 18°
MOWER	
Cutting deck	Three dome-shaped scrolls
Mounting	Suspended tray
Number of blades	Three 53 cm blades arranged in a arc
Rotation direction	From left to right
Blade clutch	Electromagnetic with built-in brake
Blade protection	Washer with pins
Cutting width	144 cm
Cutting height	Electric setting from 44 to 140 mm
Scalping protection	2 anti-scalp wheels
SAFETY SYSTEM	
	Driving presence micro-switch
	Parking brake micro-switch
BLADES	
Mulching blades	MZ 144
NOISE LEVEL	
Acoustic pressure	90 dB(A) in the driver's position (EEC 86/188 directive)



DIESEL ENGINE LOMBARDINI FOCS 1003



ELECTROMAGNETIC BLADE CLUTCH



QUICK CLEANING OF THE DECK



AGRARIAN WHEELS

