

hydro 124

A world apart



 **ETESIA**



hydro 124

Efficiency at its best

ETESIA's hydro 124 is the first ride-on mower to combine direct rear-ejection with integrated collection and high-lift emptying (H124D Model), making it one of the most highly efficient machines on today's market. This high-output ride-on mows up to 19,000 sq. metres per hour.

Cutting, collecting and emptying

1.24 m cutting width

Beneath the cutting deck, two synchronised contra-rotating blades are angled at 90° to create a powerful vacuum that lifts the grass before it is cut. The blades overlap 6 cm to provide a 124 cm wide quality finish.

Cutting height

Centrally mounted cutting height adjustment is electrically operated, providing working positions from 44 to 140 mm, with an adjustable mechanical stop for the low setting.

Rear-discharge cutting deck

The rear discharge cutting system results in greater productivity and efficiency even in wet or long grass. The twin contra-rotating blades to give a quality finish with excellent collection.

Large capacity grassbox

The 600 litre grassbox holds more than 100 kg of grass and is packed to capacity every time.

Easy to empty

Hydraulic lifting and emptying of the grass collector (H124D model) is controlled from the driver's seat. Emptying can be carried out at any height from floor level up to a maximum of 1.8 metres (H124D model) or at floor level only (H124DS model).

100 % emptying

The cutting and collecting system is completely cleared of all grass every time the grassbox is emptied. A special flap clears any remaining clippings from the chute into the rear of the grassbox.

Higher output

Compact and multi-functional

The high output hydro 124 produces a performance and efficiency comparable with wider mowers. Measuring 1.28 metres wide and 2.80 metres long it is designed for use on a wide variety of sites.

Up to 16 km/h working speed

The rear-discharge cutting system enables professionals to work faster at speeds up to 16 km/h, depending on conditions. The result is greater productivity and efficiency, even in wet or long grass.

Full use of engine power

A hydraulic pump ensures the rear-wheels' hydraulic motors have ample power for optimum drive.

Differential lock

For keeping out of trouble on slopes or difficult terrain, the hydraulic differential lock provides increased traction and manoeuvrability plus reduced operator fatigue.

Tight turning circle

The hydro 124 has a tight turning radius of 125 cm. Power-assisted steering and hydrostatic transmission plus good all-round visibility ensure the operator is in full control.

Double hydraulic power sockets

The H124D model has two front-mounted hydraulic sockets for driving attachments.

3-point linkage

The H124D model is equipped with front-mounted 3-point linkage for attachments.



DIFFERENTIAL LOCK



TIGHT TURNING CIRCLE

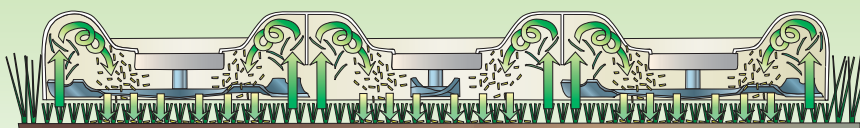


EMPTYING FROM THE OPERATOR'S SEAT



GRASSBOX EMPTYING UP TO 1.80 M HEIGHT
(H124D MODEL ONLY)

Mulching with your hydro 124



The hydro 124 ride-on mower can be fitted with an optional new mulching deck, the MCM 144. It then becomes a formidable mulcher offering the unrivalled performance of a 1.44 m cutting width. This option is particularly valuable during the season when grass growth is slower or during prolonged drought. It takes less than 5 minutes to swap the decks.

METESIA



hydro 124

Safe, comfortable, and user friendly

*hydro 124, a new level of comfort and simplicity:
power steering, adjustable steering console, ergonomic design,
no noisy turbines, easy-to-use and maintain.*



Safe

Standards

The ETESIA hydro124 meets all safety requirements including EEC standard PREN836.

Safety Features

The hydro 124 cutting deck is fitted with an electromagnetic clutch and blade brake.

High lift emptying

High lift emptying on the hydro 124 is designed for complete safety thanks to hydraulic rams with load and position maintenance safety valves.

Even weight distribution

Balanced distribution of weight ensures excellent traction and easy manoeuvrability. (H124D: 30% on the front axle and 70% on the rear., H124DS 33% on the front axle and 67% on the rear.).

Headlights

Headlights, taillights, and blinkers, headlights and taillights are standard on the hydro 124.

Flashing lamp

The H124D model is fitted with a rotating lamp that flashes when the grassbox is operated. It is also used when driving on roads.

RTA authorised

The H124D model is authorised to run on the road in the UK, registered as an Agricultural vehicle allowing it to run on red diesel (subject to conditions).

Easy to use and maintain

Cutting deck is easily removed without the use of tools on the H124D

Patent applied for ETESIA.

Economy

The 19 litre fuel tank gives 7 hours of work.

Ease of maintenance

Direct access with or without tools to fluid levels, filters, and fuses in the engine.

Comfortable

Adjustable steering console

To provide the best possible driving position, the steering console is fully adjustable up or down, forward and back.

Seat

The H124D model has a fully-adjustable suspension seat with armrests. It has forwards or backwards adjustment for operator comfort.

The H124DS also has suspension seat, with forwards and backwards adjustment.

All-round visibility

The forward driving position over the cutting deck provides the operator with good all-round visibility.

Noise

The hydro 124's rear-ejection cutting system reduces noise levels significantly, both for the operator and the environment.

Power steering

The hydro 124 has power steering to provide excellent manoeuvrability plus reduced operator fatigue.

Control

All controls are within easy reach of the operator. Forward and reverse pedals provide variable speeds in both directions:

- Blades are engaged and disengaged through a switch.
- Cutting height adjustment is centralised.
- Electrically adjusted cutting height.
- Hydraulic control to lift and empty the grassbox (H124D model).
- Accessories control (H124D model).
- Power take-off.
- Pedal-controlled parking brake.



COMFORTABLE SEAT (H124D MODEL)



ADJUSTABLE STEERING CONSOLE



CUTTING DECK REMOVABLE WITHOUT THE USE OF TOOLS (H124D MODEL)



DIRECT ACCESS TO THE ENGINE



hydro 124

Robust, reliable, high performance

*A rugged machine combining superb performance, high output and reliability.
Developed from the hydro 100 concept, the ETESIA hydro 124
has an advanced hydraulic system and is powered by a well-proven diesel engine.*

Robust

Chassis

The hydro 124 has two tubular chassis bolted together for strength and durability.

Diesel engine

The hydro 124 is powered by a 25 hp, LOMBARDINI FOCS 1003, 3 cylinder direct injection, water-cooled Lombardini diesel engine.

Cutting deck

Manufactured from quality materials, the mower's die cast aluminium rear-ejection cutting deck is aerodynamically designed to give superb cutting and collecting performance. Shear bolts protect the crankshaft from damage in case of impact.

Reliable

Transmission

The transmission to the cutter heads is through two angle gearboxes and a flexible coupling.

Cutting blade control

The blades are engaged through an electromagnetic clutch, which also incorporates a blade brake.

Long life

Hydraulics have been used in preference to mechanical drive for easy operation, long life and reliability.

Electrics

Dust and water resistant protection on the electrical fittings, lights and circuit board (H124D model) ensures a reliable electrical connection.

High performance

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 connected directly to the diesel motor.

Power steering

The power steering on the hydro 124 has a double-action ram.

Grassbox lifting and hydraulic emptying

Using the parallelogram principle, the grassbox can be hydraulically lifted and stopped at any height from ground to 1.8 metre (H124D model). The grass is packed into the box and its built-in system ensures that it is emptied 100% every time.

12 Volt electrical socket (H124D model)

An electrical socket located in the front of the hydro 124 allows you to plug in accessories or equipment such as a compressor, wire-cutter, lamp...



LOMBARDINI FOCS 1003 DIESEL ENGINE



ELECTROMAGNETIC BLADE CLUTCH



CUTTING DECK



12 VOLTS ELECTRICAL SOCKET



METESIA



hydro 124

Attachments

Front-mounted scarifier, mulching deck, front-mounted cutting deck, blower, spreader, sprayer, cabin, front and gutter sweepers plus snow equipment: hydro 124 offers all-weather, all-terrain, all-year-round versatility.



H124D + MV 124 + MN 124 + MY 124P + MY124C + MY124L

Turf care equipment

Front mounted scarifier MSC 124 (Model H124D)

Comprising two floating heads, the MSC124 has 1.25m working width and debris can be collected in one pass. Working depth is variable. The two units can be lifted for transporting between sites and are retractable for passing through narrow entrances. Quick, tool-free installation.

MCM 144 mulching deck

The MCM 144 mulching deck has 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 on your hydro 124 mower.

MCF 124 front-mounted cutting deck (H124D model)

A finishing tool for precise mowing around obstacles, the MCF 124 front-mounted cutting deck mows under hedges, mobile homes, barriers, etc. It retracts automatically when it touches an obstacle and is operated from the driving seat.

MSF 124 blower (H124D model)

Come autumn, this tidy accessory blows leaves into windrows ready for collection. Starting and drive controls are on the dashboard. The blower swivels through 360° and is virtually silent in operation.

ME 124 Spreader (H124D model)

Ideal for fertiliser, top dressing, sand, and salt. Hopper mounted on three wheels for manoeuvrability

MP 124 Sprayer

Sprayer with booms and lance. For wide open spaces, the booms can be adjusted to provide spraying widths of 2 to 5 metres. The hand held lance is for use on smaller areas. 100 litre tank.

MA 124 Agrarian wheels

For extra traction on difficult terrain.

MD 124 Deflector

For longer grass or non-collection applications, the MD 124 is fitted in minutes without special tools.



MCM 144 mulching deck

MH 124 R Rigid grassbox

Rigid 600 litre grassbox for the hydro 124. Recommended for use in dry weather.

Other equipment

Cab / heater

A glass-panelled cab is available as an option. It can be equipped with a heating system. Both the cab and heating system can be factory-installed (Ref OY124P, OY124C) or ordered separately (Ref MY124P, MY124C). The cabin can also be fitted with a windscreen washer (Ref MY124L).

MT 124 Street cleaner (Model H124D)

Working width 1.35 m, left/right positioning.

Gutter street cleaner (Model H124D)

MTS 124 Gutter street cleaner for MT 124. For cleaning pavements and gutters.

Street cleaner box (Model H124D)

MU 124 street cleaner box for MT 124. Hydraulic emptying.

Dust protector (Model H124D)

MTB 124 dust protector for using the MT 124 street cleaner with no box attached.

MR 124 Tow bar

The easy to attach MR 124 tow bar will pull trailers up to 500 kg in weight (maximum towing weight). The tow bar has an electric socket for powering trailer lights.

Snow equipment

MV 124 Snow blade (H124D model)

MN 124 Snow plough kit

For speedy, safe snow clearance, the hydraulically operated 135 cm snow blade can be angled to the right, left or lifted...

Special accessories H124DS

Lift emptying MHD 124

Convert your H124DS into a high lift machine able to lift up to 1.8 m. With a MHD 124 kit (also available as a factory fit OHD 124).

Differential lock MBD 124

Improve your working efficiency in difficult conditions by adding onto your machine a differential lock MBD 124 option (also available as a factory fit: OBD 124).

Front PTO MPDF 124

Make your H124DS into a versatile machine with our PTO option enabling you to a range of accessories (also available as a factory fit: OPDF 124).



MCF 124 FRONT-MOUNTED CUTTING UNIT



MSF 124 BLOWER



SWEeper WITH BOX AND GUTTER BRUSH



MR 124 TOW BAR

hydro 124

Designed without compromise

Developed through state-of-the-art CAD systems, designed by experts; manufactured in our high-tech production plant, and put through rigorous quality control testing - the hydro 124 is built to last.

Design

GIUGIARO

D E S I G N

A multi-specialist team of experts from the fields of fabrication, engines and hydraulics... designed the hydro 124.

From the drawing board stage, the GIUGIARO DESIGN team has been involved in the project right through to the very end.

Manufacture

Quality control covers all aspects of the manufacturing process, including hydro 124 component suppliers. Computerised control panels at the end of the assembly lines conduct 16 different quality checks on each hydro 124 produced.



H124DS

H124D

Standards

The ETESIA hydro 124 conforms to all current standards, in particular CE PREN 836. It complies with EEC Directive 84/5331 on

noise and has a decibel rating below 105 dB(A). The H124D model is certified for road travel in UK, France, Germany, Austria, Italy, Switzerland, Belgium and Holland.

Technical specifications



	H124D	H124DS
ENGINE	LOMBARDINI FOCS 1003	LOMBARDINI FOCS 903
Type	Diesel direct injection with horizontal axis	
Cylinders/cooling	Water cooled 3-cylinder	
Capacity	1028 cm ³	916 cm ³
Horsepower	25 HP at 3600 rpm	22 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		
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	Incorporated in hydraulic system – disk parking brake	
Weight	808 Kg	725 Kg
Steering console	Adjustment 70 mm in height – Adjustment of angle at 18 °	
MOWER		
Cutting deck	Aerodynamic deck with removable sides	Aerodynamic deck cast in one piece
Mounting	Suspended tray	
Number of blades	Two 65 cm blades - overlap 6 cm	
Rotation direction	Contra-rotating	
Blade clutch	Electromagnetic with built-in brake	
Blade protection	Two shear bolts	
Cutting width	124 cm	
Cutting height	Electric setting from 44 up to 140 mm	
Ejection	Rear grassbox mounted directly at housing outlet	
Scalping protection	1 bumper + 2 anti-scalp front and rear wheels	
GRASS COLLECTION SYSTEM		
Grassbox capacity	600 L	
Grassbox construction	Tubular + 2-ABS shells	
Grassbox emptying	Any setting from ground level to 1,80 m	At ground level
SAFETY SYSTEM		
	Driving presence micro-switch	
	Grassbox micro-switch	
	Mover deck micro-switch	-
	Disk parking brake micro-switch	
BLADES		
Collection blades	MZ 124 R (right) – MZ 124 L (left)	
Mulching blades	MZ 144	
NOISE LEVEL		
Acoustic pressure	90 dB(A) in the driver's position (EEC 86/188 directive)	



COMPUTER-ASSISTED DESIGN



QUALITY CONTROL



DEFLECTOR



AGRARIAN WHEELS



A innovative manufacturer offers a sound guarantee

Founded by a group which is backed by over 50 year's experience in the gardening world, ETESIA is located in Alsace, at the heart of Europe in a purpose built 45,000 square metre manufacturing complex. ETESIA pays special attention to the quality of its products, as confirmed by the ISO 9001 certificate obtained by the company.

Professional back-up

ETESIA products are distributed in over 30 countries around the world by a network of specialist dealers who provide sales, service and replacement parts.

Tried and tested by professionnels in more than 30 countries

Year after year, ETESIA mowers, brushcutters and ride-ons enjoy increasing success with professionals. Success that testifies to the efficiency, reliability and user comfort of the Green & White products.

ETESIA, seeing is believing!

Judge for yourself by taking a firsthand look at ETESIA's performance and reliability. Free demonstration is available-just call or fax your nearest dealer.

ETESIA'S DEALER

The policy of the company is one of continued improvement of its products and therefore it reserves the right to alter specifications without notice. Availability according to stock. Photographs and illustrations not bound by contract. All due reservations made fort printing errors.

We wish to thank WÜRTH company, Ilex landscape design agency, and the offices of Gimbert-Vergely, architect, for their kind permission to use pictures taken in their gardens at the WÜRTH FRANCE headquarters - "Arbre d'Or de l'Emotion" Trophy, 2000.

ETESIA
Seeing is believing

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