



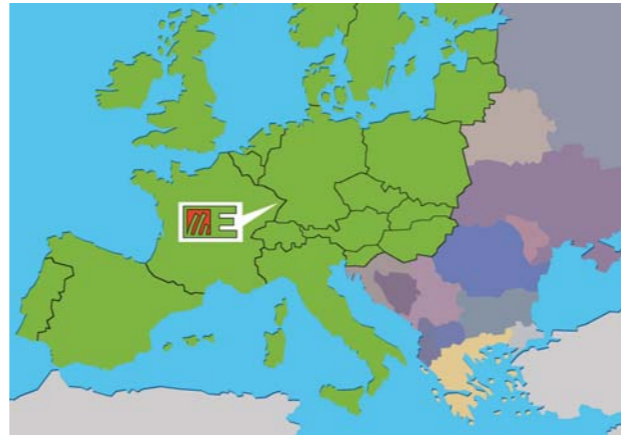
SWEeper



LIGHTING KIT



ALL WEATHER CAB AND SNOW BLADE



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 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
Tél. 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 100

Evolution

Out performs the competition



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hydro 100 Evolution

*Cuts and collects without clogging,
even in the pouring rain!*

High output

7.100 sq. metres in 1 hour.

High output combined with superb cutting and collecting – that's ETESIA. Furthermore, there is no more clogging in lush or wet grass, even when it is raining! For speed, the grassbox is hydraulically emptied via a single lever. ETESIA is not just a mower – it also collects leaves and litter and clears snow in winter.

A superb finish

Angled at 90 degrees, the twin contra-rotating blades efficiently lift and eject the clippings directly into the grassbox via the large rear aperture. Gone are the days of noisy turbines and time wasted in unblocking tubes.

The large capacity 500-litre grass collector is emptied without leaving the driving seat

Ergonomically designed for ease-of-use, a single lever situated beside the driver hydraulically raises and empties the grassbox.

Non-collection facility

For wild flower meadows, and other sites where non-collection is required, an optional grass rear deflector windrows cut grass. The unit is specially shaped to spread the grass evenly over the full width of the machine. This also gives full safety protection against foreign objects being discharged whilst mowing.

A unique concept

Cutting system

The deck combines two aerodynamically designed rotary cutting units which create a powerful suction and blowing effect. The result is a superb cutting and collection system which completely fills the grassbox.

Transaxle

ETESIA's unique « straddle bridge » axle creates an almost full-width rear aperture and large central ejection chute. Whatever the length of grass, clogging is simply impossible! No tubes and noisy turbines - our innovative design combines total efficiency with low decibel mowing.

500-litre grassbox

The new Hydro 100 Evolution has an integrated grassbox with hydraulic emptying controlled from the driving position. The 500 litre collector is filled to capacity for less emptying.



CUTTING DECK



STRADDLE BRIDGE AXLE



CUTTING AND COLLECTING



MOWING WITH A DEFLECTOR





hydro 100 Evolution

Operator Comfort

Ergonomic design ensures superb operator comfort from a ride-on with safety levels that set the standard for others in its category.

When only the best will do

Ease of use

For operator comfort, controls are sited on the driving console. Throttle, blade clutch and lever for emptying the grassbox are all within easy reach. Hand brake, speed and cutting height adjusters are all operated from the cushioned and fully adjustable driving seat.

Hydrostatic transmission

Easy-to-use hydrostatic drive ensures smooth operation, making the mower highly manoeuvrable, especially in awkward or confined areas. Simply press down on the forward or reverse pedal and decide on how fast you can work safely.

Safe

Safety standards

The hydro 100 Evolution has been designed for maximum safety. Features include: operator presence switch; an electromagnetic blade brake stops the cutter rotating within 5 seconds. As with all ETESIA ride-on mowers, it complies with the strictest applicable international safety norms.

Its silence will make quite a noise

Quiet but efficient

ETESIA confidently guarantees that the new hydro 100 Evolution complies with the 100dB(A) requirement for machines with a cutting width of less than 120 cm. This low decibel rating is achieved without compromising the mower's superb cutting and collecting performance. There are benefits to both the user and the environment – ETESIA's advancements set this mower apart from other ride-ons.

Carefree technology

Timer and maintenance monitor

The new display panel on the dashboard monitors the hours of use of your hydro 100 Evolution ride-on mower. It also shows the engine's running speed and indicates when maintenance is required.

Blade protection

To protect the engine crankshaft from damage, the blades on the hydro 100 Evolution are mounted with two shear bolts. These should be replaced after excessive impact.



MVEHH



NEW ERGONOMIC DRIVING POSITION



CUTTING HEIGHT ADJUSTMENT



UNLOCKING OF THE BONNET



1M CUT GIVES AN OVERALL WIDTH OF 1.04M

ETESIA



hydro 100 Evolution

*Trouble-free mowing,
season after season*

*Superb cutting and collecting in all conditions.
A cost effective range of attachments for all-year-round use.*

Built to last

Rest assured

Hydro 100 Evolution ride-on mowers are built from quality components to ensure reliability and long-life with minimum downtime. In professional use, their reputation for low maintenance is second to none.

Chassis

High-tech manufacturing processes used by the car industry ensure that the chassis of the hydro 100 Evolution is totally rust-proof.

It is designed to withstand the test of time, even in tough working conditions.

Cutting deck

The rugged 1 cm thick cast aluminium cutting deck is built to meet the rigours of commercial use. It will not rust or distort.

Engine

With its powerful 18 hp B & S Vanguard twin cylinder engine, the hydro 100 Evolution is ready to deal with extreme mowing conditions. The fully pressurised lubrication system incorporates a spin-on oil filter for maximum

efficiency with the minimum of maintenance.

Grassbox

Fitted with new larger sized hydraulic rams and rot-free canvas mounted on a reinforced tubular frame; the 500 litre grassbox guarantees long-life reliability.

Accessories for the professional

Deflectors

For cutting long grass or when non-collection is required, two optional rear deflectors are available - the wide-mouthed (MD100) or compact (MDpro) deflector.

All weather cab (MY102)

For operator comfort in dusty working conditions or for all-weather protection, the ETESIA hydro 100 Evolution can be fitted with a cab which includes a rollbar, tilted windscreen, two rear-view mirrors and windscreen wipers.

Snow blade (MV102)

For safe, efficient snow clearance, a snow blade complete with a set of wheel chains for greater traction, transforms this ride-on into a compact and highly manoeuvrable snow plough. Hydraulically operated, the blade can be angled right or left and lifted. (requires option MS102)

Sweeper (MT102)

Make a clean sweep with this easy-to-fit sweeper. The brush's rotational speed is adjustable and ensures perfect sweeping for all types of use: gravel, leaves, rubbish etc. It is hydraulically raised and positioned at the right work angle. (requires option MS102)

It has hydraulic drive, is extremely reliable and collects debris in the special grassbox, available as an optional extra (MU102).

Front accessories attachment (MS102)

Attachment for front-mounted sweeper or snow blade, with hydraulic connectors and distributor.

Tow bar (MR100 + MQ100)

The tow bar can take up to 350 kg. It comes as an assembly kit and can be adapted to all models, rapidly transforming your hydro 100 Evolution into a versatile tractor.

Lighting kit (MX102)

Available as an optional extra, the RTA lighting kit is made up of two rear lights, stop lights, warning lights, indicators and horns. This complete set is factory mounted on the MVEHLL model as standard.

Deluxe seat (MO102)

The deluxe seat is designed to provide operator comfort over long hours of work, especially on uneven ground conditions.

Flail blades

For use in difficult conditions (tall grass, brush ...), we recommend the MF 100D and MF 100G flail blades.

Replacement blades

| | |
|-------------------------|--------|
| Right blade | MZ100D |
| Left blade | MZ100G |
| Right flail blade | MF100D |
| Left flail blade | MF100G |
| Right cutter for MF100D | MC100D |
| Left cutter for MF100G | MC100G |

Technical specifications



| | MVEHD | MVEHH |
|--------------------------------|---|--|
| ENGINE | BRIGGS & STRATTON Vanguard 18 HP | |
| Type | 4 cycle – Air-cooled | |
| Piston displacement | V-twin, air-cooled | |
| Horsepower | 570 cc | |
| Puissance | 18 HP at 3600 rpm | |
| Alternator | 12 volts - 20 amps with regulator | |
| Battery | 12 volts 30 amps | |
| Ignition | Electronic with transistor | |
| Fuel type | Petrol unleaded | |
| Tank capacity | 8 L | |
| Operating time | 4 hours in normal conditions | |
| Oil capacity | 1,6 L – with filter | |
| TRANSMISSION | | |
| Transmission | Eaton hydrostatic – Final transmission by chains | |
| Speed | Variable from 0 to 9 km/h, forward or reverse | |
| Capacity | 9 L | |
| TRACTOR | | |
| Frame | Multi-tubular mechanical welded frame | |
| Steering | Cast iron axle with rack and pinion | |
| Tyres | Front : 15 x 6-6 / Pressure 1,2 kg/cm ² - Rear : 20 x 8-10 / Pressure 0,8 kg/cm ² | |
| Turning radius | 0,85 m | |
| Brakes | Disk brakes - Incorporated in hydrostatic transmission | |
| Weight | 310 Kg | 410 Kg |
| MOWER | | |
| Mower deck | Heavy duty cast aluminium deck – Min. Thickness 5 mm | |
| Installation | Parallel linkage – cutting deck semi floating | |
| Number of blades | 2 symmetrical 52 cm blades – overlapping 4 cm | |
| Rotation direction | Contra-rotating | |
| Blade clutch | Electromagnetic with built-in brake | |
| Protection against impact | Shear bolts | |
| Cutting width | 100 cm | |
| Cutting height | 6 settings from 44 mm to 102 mm – central height adjustment | |
| Ejection | Direct rear | In grassbox |
| Scalp-protection | 4 front and rear rollers | |
| GRASS COLLECTION SYSTEM | | |
| | With deflector MD 100 | 500 L grassbox with hydraulic emptying |
| Grassbox emptying | Not applicable | By raising grassbox – hydraulic operation |
| Grassbox construction | Not applicable | Tubular structure - anti UV / treated polyamide material |
| Capacity | Not applicable | 500 L |
| SAFETY SYSTEMS | | |
| | Driver presence microswitch | |
| | Grassbox / deflector microswitch | |
| NOISE LEVEL | | |
| Sound level | 88 dB(A) at control position (directive 86/188 CEE) | |

