

hydro 100

Evolution

Outperforms the competition



 **ETESIA**



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 Its silence will make quite a noise

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.

Quiet but efficient

ETESIA confidently guarantees that the new hydro 100 Evolution complies with the 100 dB(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 on 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 MVEHHL 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.

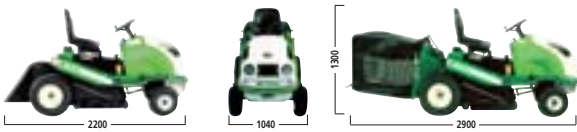
Flail blades

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/cm² - Rear: 20 x 8-10 / Pressure 0,8 kg/cm²	
Turning radius	0,85 m	
Brakes	Disk brakes - Incorporated in hydrostatic transmission	
Weight	355 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)	



MVEHD + MT102 + MS102 + MX102



VANGUARD[™]
COMMERCIAL POWER



18 HP BRIGGS & STRATTON VANGUARD ENGINE



SWEeper



LIGHTING KIT



ALL WEATHER CAB AND SNOW BLADE

 **ETESIA**



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.

ETESIA
Seeing is believing

ETESIA UK Ltd., Unit 12 Hiron Way, Budbrooke Industrial Estate, Warwick CV34 5WP.

Tel: 01926 403319 – Fax: 01926 403323 – e-mail: sales@etesia.co.uk

ETESIA 13 rue de l'Industrie – F 67165 WISSENBURG CEDEX

Tel.: +33 (0)3 88 54 89 00 – Fax: +33 (0)3 88 94 06 24

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