

CLEAN COMFORT

V1



FRESH FARMING





**IN 2023, WILSON AGRI
REVOLUTIONISED CUBICLE
BEDDING WITH THE LAUNCH OF
THE BEDMAID RANGE. SINCE
THEN, DIRTY STALLS AND AIR
POLLUTION HAS BECOME A THING
OF THE PAST, AND EVERY COW
RECEIVES AN OPTIMALLY CLEAN
STALL. THE SPEED AND OVERALL
EFFICIENCY OF THE SELF
LOADING MACHINES, INCLUDING
CLEANING PRECISION MAKE
BEDMAID A VALUABLE ASSISTANT
ON MODERN DAIRY FARMS.**

BEDMAID RANGE:



FOR MORE INFORMATION
WATCH THE VIDEO AT
WWW.WILSONAGRI.CO.UK

**Wilson
Agri**





OPERATOR COMFORT

The BedMaid range of bedding machines was designed with farmers, cows and the environment in mind. Ergonomics in the dairy industry requires reform which the BedMaid aims to achieve. A waterproof saddle seat is positioned accurately from the steering wheel to give optimal vision and control ensuring no strain to the operator when filling the hopper or cleaning the beds. Foot pedals provide additional support and comfort for the operator.



EASY LOADING

The loading task is simplified to the pull of a lever. Operated by a hydraulic ram system the 500L capacity hopper tilts allowing the operator to load in a matter of seconds. Positioning the hopper at the front of the machine gives the operator comfort and control for efficient loading and ensures their posture is not depleted in any way by the BedMaid. The self loading mechanism enables the operator to keep a safe distance from the elements being used.

A hot dip galvanised finish is essential for this self-loading machine ensuring the hopper does not become damaged on the concrete as bedding materials are collected.



MINIMAL AIR POLLUTION

The air quality benefits of the BedMaid range are obvious with the ELV machine. ELV is fully electric featuring a 4.7KW variable speed lithium ion battery the machine is fume free providing a clean environment for milk producers and their herds.

This is also a benefit internally within the machine, with no air, fuel or oil filters the machine requires little maintenance.

MINIMAL NOISE POLLUTION

The BedMaid EL10 and EL20 models feature a noise threshold of 98 decibels operated through the silencer system on the exhaust.

ELV boasts a 60 decibels noise threshold which is quieter than the sound level of a household vacuum cleaner of 70 decibels. This is advantageous for both the BedMaid operator and livestock.



1.8M TURNING CIRCLE

The BedMaid range of bedding machines have a uniform size measuring 2522mm long by 1000mm wide. This compact size makes BedMaid ideal for both large and small cubicle sheds, with a turning circle of just 1800mm.

The fast switchover from one- to three-wheel drive also aids in the optimisation of a tight turning circle. The efficiency of BedMaid cleans and refreshes 200 cow cubicles in less than 20 minutes to the optimum standard.

IDEAL FOR DEAD ENDS

BedMaid is the ultimate solution for bedding every cow stall. The brush, scraper and hopper are strategically positioned at the front of the BedMaid ensuring the very last cubicle on the row is also cleaned to the optimal standard.



MANURE SCRAPER & SIDE-BRUSH

A 1050mm scraper positioned beneath the hopper both cleans the slats and debris swept off the cubicles by the brush as BedMaid travels along the passageway. The scraper is complimented by a brush positioned directly behind the scraper ensuring an accurate clean.

Effectively cleaning the alley directly behind the cubicles allows cows to enter the beds with clean hooves, while their tails are also clean as they rest.



CONSISTENT BEDDING

A hot dip galvanised auger within the hopper agitates the ensures the bedding materials are optimally blended while dispensing.

The dual bar mechanism within the hopper is operated by a handle and ensures bridging of the bedding material or blockages do not occur resulting in a consistent flow of bedding material.



FEATURES

- Fully hot dip galvanised
- Large hopper capacity (500 L).
- Hydraulically operated self-loading hopper, revolving brush and scraper.
- 1050mm wide rubber scraper with brush bristles behind
- Left hand side brush Ø 750 mm
- Brush height can be manually adjusted to 3 height settings dependent on cubicle kerb height, or optionally unfixed enabling the brush to naturally float to the kerb height if bed heights vary.
- Suitable for chopped straw, shavings, sawdust and mixed with powdered lime.
- Control bedding quantities dispensed using the flow adjustment handle.
- Efficient manoeuvring requiring only 1800 mm turning space.
- Simple switchover from one- to -three wheel drive.
- An auger within the hopper agitates the bedding blend ensuring a consistent treatment per stall.
- Agile steering.

KEY BENEFITS

- **Minimal Noise:** the ELV model has a minimum noise threshold of just 60 db, less than the average household vacuum cleaner (70 db). This advancement in animal bedding equipment delivers a safe and comfortable noise level for both the operator and the milking herd. Cows are extremely sensitive to noise, which has an adverse impact on their wellbeing. Versus tractor scrapers and alternative bedding machines BedMaid ELV is a modern advancement for animal welfare.
- **No Pollution:** In line with global sustainability goals the BedMaid range aims to have a minimal impact on the environment. The ELV signature model is the front runner with its lithium battery eliminating fumes and carbon footprint producing a cleaner environment for those on the farm and society as a whole.
- **Low Maintenance:** A current challenge within the cubicle bedding machine market is the replacement of air filters which regularly require maintenance and upgrading. BedMaid ELV has no filters and requires less maintenance saving you time and money.
- **Energy Efficient:** The ELV models lithium battery charges fully within an impressive 6 hour period. The battery is charged simply using a standard 13 amp socket and BedMaid ELV is supplied with a battery pack protecting it from power surges for a long lifespan.





TECHNICAL SPECIFICATIONS

Battery	Lithium Ion
Engine	4.7 KW
Voltage	48 V
Noise Level	60 db
Charging	Battery protection pack
OTHER	
Bedding Material	Chopped straw, sawdust, wood shavings, waste paper, lime or disinfection powder
Loading	Self-loading
Bin Volume	500 L
Spreading distance	500 - 2000 mm
Brush diameter	750 mm
Scraper width	1050 mm
Overall Width	1050 mm
Overall Length	2522 mm
Overall Height	1300 mm
Weight	550 kg
Turning diameter	1800 mm
Ground clearance	140 mm





FEATURES

- 500 L bunker capacity.
- Self-loading hopper.
- Yanmar LV100V6-DE Diesel engine with electric start.
- Comes with hydraulically operated brush and mechanically operated scraper.
- Compatible for applying chopped straw, sawdust, lime or wood shavings.
- The quantity of bedding materials is manually adjustable.
- Requires minimum of space - a turning radius is only 1800 mm.
- Simple switchover from one- to -three wheel drive.
- An auger within the hopper agitates the bedding blend ensuring a consistent treatment per stall.
- Agile steering.

KEY BENEFITS

- **Easy to operate:** the EL10 model has a minimum noise threshold of just 98 db. This advancement in animal bedding equipment delivers a safe and comfortable noise level for both the operator and the milking herd. Cows are extremely sensitive to noise, which has an adverse impact on their wellbeing.
- **Compact and manoeuvrable for any size of shed:** The BedMaid is designed for every dairy, with a tight turning radius of 1800 mm it will get around every corner.
- **The 'floating' scraper:** BedMaid ensures the cubicle cleaning and bedding process is as efficient as possible, ensuring the BedMaid does not jolt if the scraper comes into contact with a protrusion on the ground surface.
- **Time and labour saving:** BedMaid scrapes the slats, brushes the stalls and spreads an even layer of bedding in just one pass.
- **Improved hygiene:** BedMaid makes maintenance of a hygienic cow shed simple, preventing build up of damp bedding and faeces on cubicle beds helps to prevent and reduce mastitis, somatic cell counts and disease.



TECHNICAL SPECIFICATIONS

Engine	Yanmar LV100V6-DE
Engine	10 hp
Noise Level	98 db
Speed	10 km/h
Fuel Capacity	5 L

OTHER

Bedding Material	Chopped straw, sawdust, wood shavings, waste paper, lime or disinfection powder
Loading	Self-loading
Bin Volume	500 L
Spreading distance	500 - 2000 mm
Brush diameter	750 mm
Scraper width	1050 mm
Overall Width	1050 mm
Overall Length	2522 mm
Overall Height	1300 mm
Weight	550 kg
Turning diameter	1800 mm
Ground clearance	140 mm





FEATURES

- 500 L bunker capacity
- Self-loading
- Honda G X 630 petrol twin cylinder engine.
- The EL20 boasts the maximum power model within the BedMaid range, ideal for denser bedding materials, it offers double the performance of any competitor model.
- Comes with hydraulically operated brush and mechanically operated scraper
- Compatible for applying chopped straw, sawdust, wood shavings, lime or disinfectant powder.
- The quantity of bedding materials is manually adjustable
- Requires minimum of space - a turning radius is only 1800 mm
- Simple switchover from one- to -three wheel drive.
- An auger within the hopper agitates the bedding blend ensuring a consistent treatment per stall.
- Agile steering.

KEY BENEFITS

- **Easy to operate:** the EL20 model has a minimum noise threshold of 98 db. This advancement in animal bedding equipment delivers a safe and comfortable noise level for both the operator and the milking herd. Cows are extremely sensitive to noise, which has an adverse impact on their wellbeing. Versus tractor scrapers and alternative bedding machines the BedMaid range offers a modern advancement for animal welfare.
- **Compact and manoeuvrable for any size of shed:** The BedMaid is designed for every dairy, with a tight turning radius of 1800 mm it will get around every corner.
- **The 'floating' scraper:** BedMaid ensures the cubicle cleaning and bedding process is as efficient as possible, ensuring the BedMaid does not jolt if the scraper comes into contact with a protrusion on the ground surface.
- **Time and labour saving:** BedMaid scrapes the slats, brushes the stalls and spreads an even layer of bedding in just one pass.
- **Improved hygiene:** BedMaid makes maintenance of a hygienic cow shed simple, preventing build up of damp bedding and faeces on cubicle beds helps to prevent and reduce mastitis, somatic cell counts and disease.



TECHNICAL SPECIFICATIONS

Engine	Honda L100V6-DE Petrol
Horse Power	20 hp
Noise Level	98 db
Speed	10 km/h
Fuel Capacity	5 L
OTHER	
Bedding Material	Chopped straw, sawdust, wood shavings, waste paper, lime or disinfection powder
Loading	Self-loading
Bin Volume	500 L
Spreading distance	500 - 2000 mm
Brush diameter	750 mm
Scraper width	1050 mm
Overall width	1050 mm
Length	2522 mm
Height	1300 mm
Weight	550 kg
Turning diameter	1800 mm
Ground clearance	140 mm









**75 DRUMCROONE ROAD
COLERAINE
NORTHERN IRELAND**

PHONE: 028 7086 8430

