

# Technical Details - V660 Belt Baler

<b>Dimensions &amp; Weight</b>	<b>V660</b>
Length	4.8m
Width	2.55/2.58m*
Height	2.75m
Weight	4000kg
<b>Pick Up</b>	
Working width	2000mm
Tine Bars	4
Tine Spacing	70mm
Short Crop Guard	Optional
Crop Roller	Standard
Pick Up Guide Wheels (pneumatic)	Standard
<b>Chopper Unit</b>	
Number of Knives	15
Theoretical Chop Length	65mm
Knife Protection	Hydraulic
Knife Deactivation	Hydraulic from Cab
Unlocking System	Drop Floor
<b>Bale Chamber</b>	
Diameter (m)	0.7 up to 1.68
Width (m)	1.23
Bale Chamber Feed	Baler Rotor (F550)
Number of Belts	3
<b>Net Wrap</b>	
Control	Manual or Automatic
Net System	4 Bar Pivot Stretch
Net Roll Capacity	1+1 Storage
Net Adjustment	In Cab
<b>Drives</b>	
Gearbox	Split Drive
Main Drive Protection	Cam Clutch
Pick Up Protection	Slip Clutch
Chain Lubrication	Continuous
<b>Control</b>	
Control System	Expert Plus
Operation	Semi Automatic
Density Adjustment	In Cab
Bale Size Adjustment	In Cab
<b>Other</b>	
Axle	8 Stud
Tyres Standard	500/50-22.5
Bale Kicker	Standard
Road Lights	Standard
<b>Tractor</b>	
Minimum Power Requirement	60kW (80hp)
Hydraulics	2 double acting spools 1 free flow return



V6 Baler at Work



Drop Floor Unblocking System



Netted Bale



Expert Plus Control Console

\*Width will depend on tyre selection



McHale has evolved from a farm machinery retail outlet, which is still in existence today. This background has provided an excellent foundation for the design and manufacture of farm machinery, due to direct contact with the end user.

Manufacturing takes place in a purpose built facility, which utilises the latest in laser and robotics manufacturing technology and operates to ISO 9001/2000 accreditation.

All research and development is conducted in-house using leading edge technologies. Machines go through rigorous testing during the product development process and machine performance is constantly monitored.

As a result, this ensures that product of the highest quality, specification and design are delivered to you. Which explains why a McHale product is truly "an investment in the future".



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# McHale

## V6 Baler Range

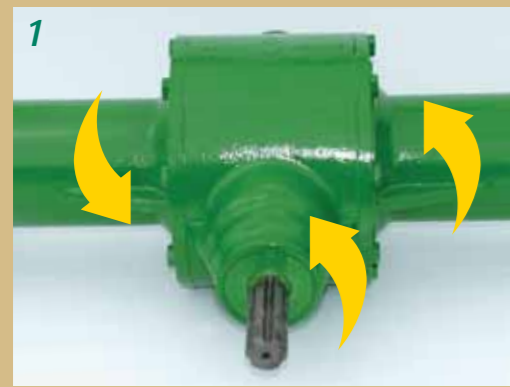
### V6 Baler Range



The Professional Choice

This literature is designed for worldwide circulation. Due to a continuing policy of product improvement, we reserve the right to alter specifications and constructions without notice. As machines are exported to many different countries, general information, pictures and descriptions are provided: these should be taken as approximate and may include optional equipment that is not part of the standard specification. Please consult your local dealer/ distributor for further information.





## Our Specification

### 1. Split Drive Gear Box

The left hand side of the gearbox drives the belts and rollers in the bale chamber, while the pick up and chopper unit are driven from the right hand side of the machine. This system ensures direct short transfer paths and optimal power distribution.

### 2. Pick Up

The 2 metre galvanised pick up lifts even the shortest of crop. The crop compression roller on the machine evens out lumps in the swarth, aids crop flow and reduces the risk of blockages. The pick up is fitted with lateral feed augers that smoothly guide the crop into the chopping unit. The pick up cam bearings are double raced to stand up to the most testing of conditions.

### 3. Rotor Design

As crop enters the spiral rotor, pairs of rotating tines feed the crop through the chopping unit. The double tines on the rotor ensure high output, while the spiral layout reduces load peaks as the machine works in heavy swarths. The rotor design encourages a uniform crop flow, which reduces the risk of blockages, thus maximising output.

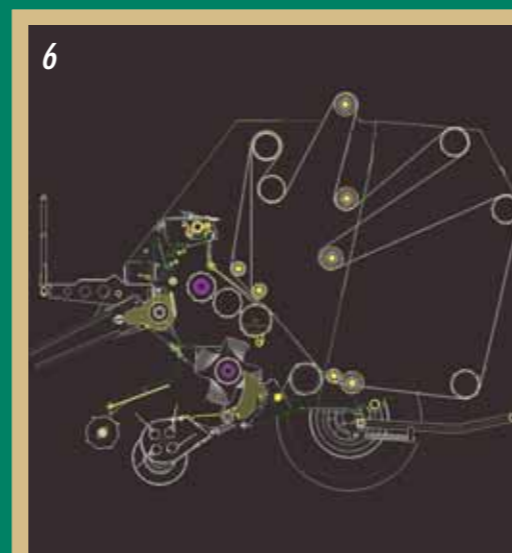
### 4. Chopper Unit

The knives in the chopping unit of the V660 can be engaged and disengaged from the tractor cab. When engaged, the knives extend into the spine of the rotor, which ensures a consistent chop quality. Knives have hydraulic protection ensuring that if a foreign object enters the chopping unit, the knives can drop out of the way and then reset.

### 5. Drop Floor Unblocking

The McHale V6 baler range is fitted with a drop floor unblocking system, which means blockages can be removed in three simple steps, from the tractor cab.

1. Drop the floor - to widen the feed channel.
2. Re-engage the pto - to feed the blockage through.
3. Reset the floor - to continue working.



### 6. Bale Chamber & Bale Sizes

The bale chamber on the V660 baler is comprised of 3 heavy-duty endless belts. The belts are extremely hard wearing and are reinforced with synthetic material, which ensures that the belts can absorb and apply high pressure to the material in the bale chamber.

The V660 baler can make a bale from 0.7m (2'4") to 1.68m (5'6"). The bale size can be adjusted up from the minimum setting in increments of 20mm (3/4").

### 7. Bale Chamber Double Drive & Crop Flow Indicators

The bale chamber on the McHale V660 has a double drive, in more difficult conditions, such as wet heavy grass, if the primary drive slips slightly, the secondary drive will engage to aid belt and material rotation.

The McHale V660 is also fitted with crop flow indicators, which indicate to the operator via the control console, which side of the chamber need to be filled.

### 8. Mechanical Tailgate Locking System

The tailgate on the V660 is fitted with a set of mechanical locks, which keep the bale chamber securely closed. These locks remain activated until, the preset bale size and density have been reached and the required amount of net has been applied. After netting, the locks release and allow the tailgate to open, releasing the high density bale.



### 9. Greasing & Oiling

A Grease can be applied to the main bearings through a number of centralised greasing blocks. The following bearings are greased'

- Bale Chamber Drive Side
- Bale Chamber Non Drive Side
- Rotor Bearings (Drive and Non Drive Side)
- Pick Up Drive Gears

B The oiler on the V660 is run off the gearbox, so once the pto is engaged the machine starts to oil the chains. The machine oils;

- Chamber Drive Side Chains
- Pick Up Chains
- Rotor Chain
- Cam Track

### 10. Net Stretch System

The McHale V660 variable chamber baler is fitted with a four bar net tensioning system. When the net is being applied initially, the net tension bars pivot forward, this minimises the pull on the net and allows it to go to the outsides of the bale. When the net comes in contact with the bale, the net tension bars pivot back and full net tension is applied. The McHale pivot stretch net system ensures maximum net coverage and net stretch.

### 11. Expert Plus Control Console

The McHale V660 is fitted with an Expert Plus Control Console, which has a large graphic display. From the control console, the operator can adjust the following from the tractor cab;

- Bale Size
- Bale Density
- Revolutions of net being applied

The expert plus console, also gives the operator the choice of selecting a soft or hard bale core, depending on the customers feed out requirements. The control console can also store 10 totals. It also features:

- Knife Display
- Door Position Display
- Drop Floor Display
- Lube Alarm

