

McHale



C4 Bale Feeding & Bedding Range

designed with the demands of today's farmers in mind...

The McHale C460 bale feeder & straw blower is a versatile machine, which can be used for feeding short fibre silage and can also be used to easily distribute long fibre fodder such as hay and straw.

A key feature on the C460 is its twin speed independent gearbox, which allows the operator to easily adjust the rpm from 280 rpm for feeding silage or hay up to 540 rpm for using the machine to distribute straw for bedding.

Feeding: The McHale C460 is an ideal machine for feeding silage and hay, the two speed gearbox allows silage to be distributed exactly where it is desired. The speed of the conveyor is proportionally controlled allowing the operator to adjust feeding speed depending on material density and composition.

Bedding: The McHale C460 can be used to distribute bedding material quickly and efficiently leaving a thick aerated bed of straw. In difficult to access bedding areas, the chute on the McHale C460 can pass through 300 degrees for ease of feeding. Straw can be blown 18m on the right hand side and 13m to the left hand side of the machine.



McHale

C460 BALE FEEDING & BEDDING RANGE

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 9001/2008 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

C460

BALE FEEDING
& BEDDING RANGE



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The Professional Choice

OUR SPECIFICATION makes feeding & bedding easier.



1 Machine Body

The machine body on the McHale C460 is compact, which makes the machine easy to manoeuvre. The machine body is designed so that it is narrow at the bottom and tapers out as the machine gets higher, this is a design feature, which keeps the machine low to ensure superior visibility. It also ensures that as a bale is turning in the machine any loose material which comes over the top of the bale falls within the machine body.

2 Flywheel (Straw Blowing Turbine)

The 1.57m diameter flywheel on the McHale C460 is fitted with 6 blowing paddles which, provides a powerful blow for an efficient distribution of material. The flywheel housing design ensures that any loose material in the flywheel housing is blown out.

3 Floor Conveyor

The floor conveyor on the McHale C460 consist of a hydraulically driven chain and slat conveyor. There are 10 slats, which are mounted on 11mm high tensile chain. The chain and slat format takes the bale into the machine, the slat format has been designed to ensure consistent and even feed to the rotor. The rotation speed of the conveyor is adjustable via a dial on the control box in the tractor cab.

The floor conveyor extends under the rotor and is positioned above the flywheel, consequently any material, which may gather between the conveyor and the bottom, can be removed by simply reversing the conveyor.

4 Blowing & Feeding Chute

The McHale C460 is fitted with a three-stage chute, the three-stage design, minimises resistance and allows for maximum blow distances to be achieved. Chute adjustment moves through an arc to ensure that there is minimal resistance. The deep wide chute design reduces the risk of blockages and provides more even delivery of material.

The chute on the McHale C460 can pass through 300 degrees for ease of bedding in building with one opening. Straw can be blown 18m on the right hand side and for difficult to access bedding areas the 300 degree chute can blow straw up to 13m to the left hand side of the machine.

The chute is joystick controlled, allowing the operator to adjust the chute height and the shoot direction easily from the control box in the tractor cab.

5 Rotor with Hydraulic Feed

The feed rotor is equipped with 48 blades mounted on six discs. The feed rotor is driven by a hydraulic motor, which is independent of the flywheel (straw blowing turbine). This reduces the amount of power required to start the machine.

6 Rotor with High Torque Belt Drive

The belt system, which drives the feed rotor, can be hydraulically disengaged. The high torque belt drive system ensures that the flywheel (straw blowing turbine) can be worked independently of the rotor. This gives a number of advantages namely:

- The flywheel (straw blowing turbine) can be at full rpm before the rotor starts to feed.
- The horsepower requirements are reduced.
- It ensures that the machine is less likely to block on start up.

7 Bale Loading

The tailgate on the machine can be used to load a bale onto the machine, without the need for a second tractor. The cupped tailgate design means that when a bale is loaded into the machine, the bale can be held in the dip in the tailgate, while the twine or net is being removed.

The ram mounting points on the tailgate, ensure that maximum lifting power can be achieved, so that the heaviest of bales can be handled. The tailgate and conveyor alignment ensures that square or rectangular bales can be loaded easily.

8 Electronic Controls

The McHale C460 is controlled via an electric control console, which allows the operator to control machine operation from the tractor cab. Grouping the major machine function on one operator efficient control console allows the operator to adjust:

1. The conveyor speed and direction.
2. The tailgate position.
3. The chute position and height.
4. The rotor comb movement for unblocking.
5. The rotor activation and deactivation.

The direction and height of the feeding chute can be controlled via an integrated joystick on the control console in the tractor cab.

Key Features on the McHale C460 include:

- Rotor with High Torque Belt Drive
- Specially designed flywheel to facilitate good discharge and excellent clean out.
- 2 speed gearbox – to increase or reduce flywheel rpm for bedding or feeding.
- Bedding of straw up to 18 metres.
- Joystick chute control, to facilitate bedding and feeding.
- Self-loading tailgate.
- 3 stage feeding chute.
- 300 degree swivel chute.

SPECIFICATION	C460
Minimum Horsepower	51 Kw (70Hp)
Unladen Weight	2015 Kg
Length (Door Open)	5.5 metres
Length (Door Closed)	4.2 metres
Width	2 metres
Body Height	2.45 metres
Bale Chamber (W X H X L)	1350 x 1220 x 1400mm
Bale Capacity	2 x 1.5m diameter bales
Control	Electrical with joystick chute control
Max Discharge Distance	18 metres
No. of Conveyor Slats	10
No. of Disks on Rotor	6
No. of Knives	48
Gearbox	Twin Speed Independent
Rotor Drive Type	High Torque Belt Drive
PTO	540 with slip & overrun protection
Conveyor Drive	Hydraulic
Chute Rotation	300 degrees
Chute Composition	3 stage
Tyres	10.0/ 75 – 15.3
Tractor Mounting	Drawbar
No. of Blower Paddles	6
Minimum Oil Flow	35 litres/min @ 160bar
Tractor Hydraulics	1 x feed, 1 x return