

McHale

C4

SILAGE FEEDER
& STRAW
BLOWER RANGE



WWW.MCHALE.NET

The Professional Choice

FOUR MODELS A RANGE TO MEET YOUR NEEDS

The **MCHALE C4 SILAGE FEEDER & STRAW BLOWER** range is comprised of 4 models. The flagship model in the range is the **McHale C460**; a trailed machine with a capacity of **TWO 4FT BALES**.

McHale expanded this range by adding three additional models which include:

The **McHale C430** is a linkage machine that caters for users who have restricted access in confined spaces, the **McHale C470**, a trailed machine with extra load capacity and the **McHale C490** which offers an even greater load capacity.

The C4 range of silage feeders and straw blowers offer a number of clever features and benefits which include:

- Twin Speed Gearbox for Different Crops
- 300° - 3 Stage Feed Chute
- Joystick Chute Control
- External Loading Controls
- Independent Rotor Drive with Hydraulic Activation
- Clever Machine Body Design





C430

3-POINT LINKAGE SILAGE FEEDER AND STRAW BLOWER

The McHale C430 is a 3-point linkage machine designed for farmers who have to **WORK WITHIN CONFINED SPACES** for feeding and bedding.

The short and compact body on the McHale C430 makes it ideal for **manoeuvring in narrow passages**, especially in buildings with one door.

The C430 has the capacity to carry and feed **two 4ft round bales** of hay or straw or one round bale of silage or haylage.



2.2m³
LOADING VOLUME

1.3m
Conveyor length

C460

TRAILED SILAGE FEEDER AND STRAW BLOWER

The McHale C460 is a trailed machine with the capacity to carry and blow or **FEED OUT TWO 4FT** round bales of hay, straw, silage or haylage.

The McHale C460 is the ideal machine for the farmer who wishes to **bed their sheds with straw and feed out bales of hay, haylage or silage.**

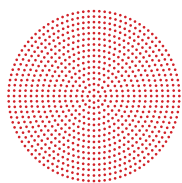
The McHale C460 is the flagship model of the C4 range due to its rugged features, ease of manoeuvrability and high output for **both small and large farming operations.**



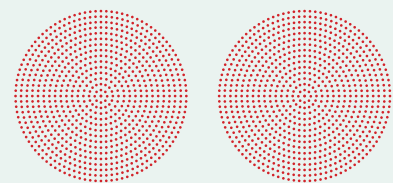
3.65m³
LOADING VOLUME

1.7m
Conveyor length

ALL MACHINES IN THE MCHALE C4 RANGE ALSO HAVE THE ABILITY



ONE 4FT
ROUND BALE



TWO 4FT
ROUND BALES

4'

C470

TRAILED SILAGE FEEDER AND STRAW BLOWER

The McHale C470 is a trailed machine with a **HIGHER CAPACITY** to carry and blow or feed out two 5ft round bales of hay, straw, silage or haylage.

The extra capacity of the McHale C470 allows farmers to **increase their output when bedding or feeding**, especially if they may be using the machine on another farm which is some distance away from the main farm.

The McHale C470 is available with an optional linkage drawbar which allows the machine **greater access to tight sheds** with narrow entrances.

4.65m³

LOADING VOLUME



2.2m
Conveyor length

C490

TRAILED SILAGE FEEDER AND STRAW BLOWER

The McHale C490 is a trailed machine with an **EVEN HIGHER CAPACITY** to carry and blow or feed out three 5ft round bales of hay, straw, silage or haylage.

Designed with two independent floor conveyors, the C490 is the largest machine in the range and has the ability to cater for the **large-scale farmer** who requires increased capacity when bedding and feeding their animals.

The McHale C490 uses heavy duty, reliable and proven components as seen in other models in the C4 range coupled with an increased cubic capacity to provide a **high output machine** for large bedding and feeding operations.

6.85m³

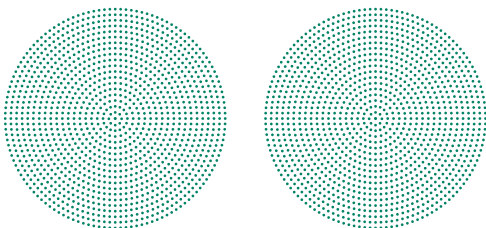
LOADING VOLUME



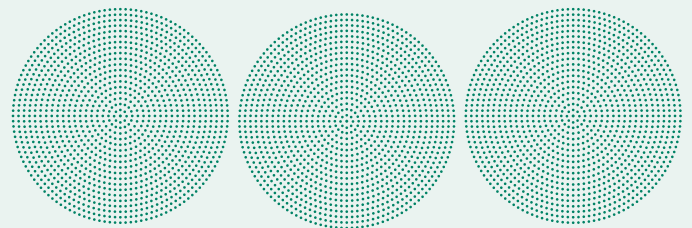
3m
Conveyor length

TO HANDLE VARIOUS SIZE SQUARE BALES AS WELL AS CLAMP SILAGE

5'



TWO 5FT
ROUND BALES



THREE 5FT
ROUND BALES



McHale

C460

TWIN SPEED GEARBOX

A key feature on the C4 range is its twin speed independent gearbox, which allows the operator to **EASILY ADJUST FROM 280 RPM** for feeding silage or hay up **TO 540 RPM** for using the machine to distribute straw for bedding.

1 Feeding

The McHale C4 range of machines are ideal machines for feeding silage and hay, the twin speed gearbox allows silage and hay 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 the material density and composition.



2 Bedding

The McHale C4 range of machines 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 C4 range can pass through 300 degrees for ease of bedding. Straw can be blown up to 18m.



STANDARD FEATURES

Whether you are operating a small farm or a large-scale feedlot, the McHale C4 range of straw blowers and silage feeders has a machine to suit your needs. Although each machine has various cubic capacities, a number of standard features are used across all machines in the range.

1. Twin Speed Gearbox

All machines in the McHale C4 Silage Feeder & Straw Blower range are fitted with a twin speed gearbox which controls the speed at which the flywheel distributes the material. There are two speeds at which to choose from depending on the task at hand; 280 rpm and 540 rpm. At 280 rpm, which is represented by the “Tortoise”, the flywheel operates at a slower speed for feeding out fodder by deflecting it onto the distribution tray on the side of the machine. When distributing straw for bedding, 540 rpm is selected by moving the handle on the gearbox to the position with the “Hare” symbol to provide a high speed rotation of the flywheel to achieve a maximum blow distance.



2. Floor Conveyor

The floor conveyor on the McHale C4 Silage Feeder & Straw Blower Range, consists of a hydraulically driven chain and slat conveyor. The speed can be adjusted and the conveyor can be reversed from the tractor cab.

Heavy duty galvanised slats are mounted on 11mm high tensile chains using “U” bolts for easy maintenance. Heavy duty, wear resistant rollers and nylon strips reduce wear to a minimum. The conveyor formation has been designed to ensure consistent and even feed to the rotor.





3. Rotor with Hydraulically Activated High Torque Belt Drive

The feed rotor is equipped with 56 blades mounted on seven discs. The blades are mounted at an angle on the discs and pass through a fixed comb to ensure the material is cut and fed into the flywheel evenly. This design minimises crop build up on the rotor.

The High Torque Belt Drive, which drives the feed rotor, can be hydraulically engaged or disengaged from the tractor cab. This drive system allows the feed rotor to run independently of the flywheel, which enables the operator to bring the flywheel up to full speed before starting the feed rotor.

This gives a number of advantages, namely:

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



4. Flywheel (Straw Blowing Turbine)

The 1.57m diameter flywheel on the McHale C4 Silage Feeder & Straw Blower range is fitted with 6 blowing paddles, which provides a powerful blow for the efficient distribution of material. The flywheel housing is positioned below the conveyor, this design ensures that any loose material which falls into the flywheel housing is blown out.

The flywheel rotates below the conveyor which improves the delivery of full length fodder for feeding or bedding and ensures that no fodder remains in the machine after use.





CONTROL CONSOLE

Electronic Controls

The McHale C4 Silage Feeding and Straw Blowing Range is controlled via an Expert control console allowing the operator to control machine operation from the tractor cab. This user friendly control console provides the operator with access to all the functions of the machine without ever having to leave the comfort of the tractor seat.

The following actions can be operated via the control console:

- **POWER SWITCH**
- **FLOOR MOVEMENT:**
CONSTANT / INTERMITTENT
- **COMB CONTROL**
- **LOADING DOOR CONTROL**
- **ROTOR CONTROL**
- **FLOOR DIRECTION**
- **FLOOR CONTROL SPEED**

Blowing & Feeding Chute

The McHale C4 Silage Feeder & Straw Blower Range is fitted with a three-stage chute. This three-stage design minimises resistance and allows for maximum blow distances to be achieved, especially when blowing straw in confined spaces. This Blowing & Feeding Chute gives a number of advantages, namely:

- Straw can be blown 18m on the right hand side
- For difficult to access bedding areas the 300° chute can blow straw up to 13m to the left hand side of the machine.





Chute Joystick

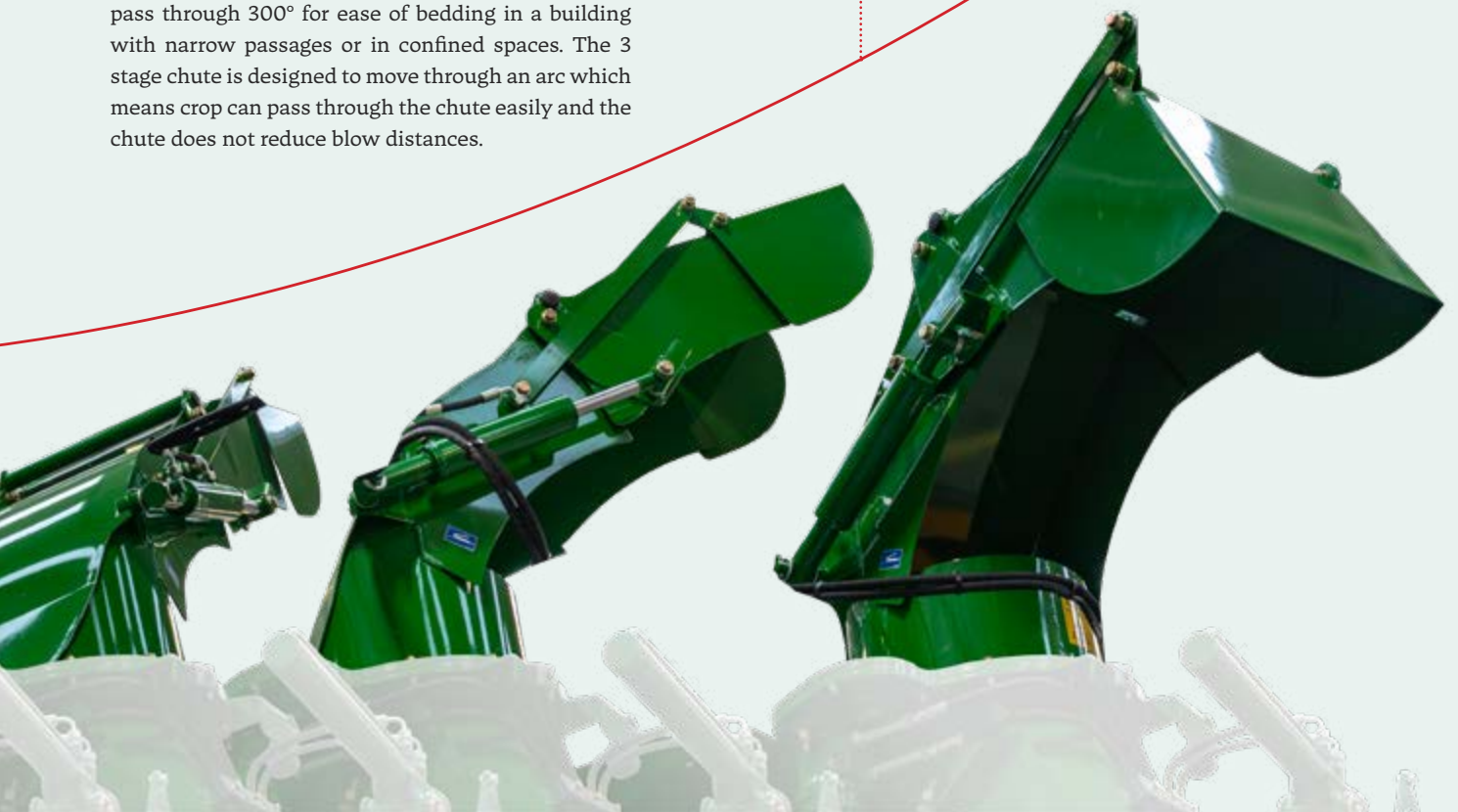
The chute is joystick controlled, allowing the operator to adjust the chute height and the shoot direction easily from the control console in the tractor cab.

The chute can be rotated 300°, which allows material to be spread on the left, right and behind the machine. The chute may also be lowered to blow material on to the feeding slide for better control when distributing feed along a barrier.



300° Three Stage Chute

The chute on the McHale C4 range of machines can pass through 300° for ease of bedding in a building with narrow passages or in confined spaces. The 3 stage chute is designed to move through an arc which means crop can pass through the chute easily and the chute does not reduce blow distances.



Power & Flexibility

Ability to distribute different crop types at different speeds and blow rates. Machine design keeps horsepower requirements to a minimum.



Maximum Output

The McHale C4 Silage Feeder & Straw Blower range of machines are designed to allow the rotor work independently from the flywheel. This allows the flywheel to be at full RPM before any fodder material is fed into the rotor.



Independent Floor Conveyor

As the floor conveyor works independently from the rotor, this ensures that fodder can be reversed away from the rotor without disengaging the rotor.



External Loading Control

An external loading control comes fitted as standard which will allow for the conveyor floor and the tailgate to be operated when removing the netting or wrap whilst loading a bale. The tailgate and conveyor alignment on the machine body take the largest size square bales without the need for extensions to the tailgate.



Bale Loading

The tailgate on the machine can be used to load a bale without the need for a second tractor. The cupped tailgate design ensures a bale is 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.



Safety First

To prevent accidental operation of the controls, a safety button on the side of the External Loading Control must be pressed while operating loading functions at the rear of the machine.





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ANGUS WIELKOPOLSKI

Seaton Ross, York, North Yorkshire, England

Angus Wielkopolski runs 2 mixed arable and livestock farms in Yorkshire. He said that “We had a demo of the C470 and liked it and noticed that it was twice as fast at distributing haylage as most other brands.

This year we will use our C470 to feed out about 6,000 bales of haylage. We like it as it gives a good even feed out and flow.” Angus also noted that “Other machines we used were not able to give an even flow.”

“Most straw choppers are useless with silage and even struggle with wet straw. The McHale C470 is the only machine we have come across which can handle the crop and give an even flow in haylage.”



DECLAN GOLDRICK

Kilnaleck, Co. Cavan, Ireland

Declan Goldrick and his nephew Jason run a goat farm in Kilnaleck, County Cavan. They use all straw bedding for their goats. Before they bought a McHale C460 they were doing all the bedding by hand. After using the C460 for 3 months Declan found that it saved 6 bales per week.

“After using the C460 for 3 months, we found that the machine saved 6 bales per week. We use straw for bedding all year round, that’s a saving of over 300 bales per year, so buying a machine like this is a no brainer.”

Jason, Declan’s nephew, looks after the majority of the bedding and said “The C460 was very easy to get used to. The control box is simple and all the main machine functions can be controlled from this. The joystick controls the chute and is very responsive. Once the floor speed is adjusted right you will get a good even flow.”

C4 RANGE

TECHNICAL TABLE



C430



C460



C470



C490

DIMENSIONS & WEIGHT	
Unladen Weight	1,800 Kg (3968 lbs)
Length (Door Open)	4 m (15'7")
Length (Door Closed)	2,64 m (104")
Width	2,03m (80")
Body Height	2,13m (84")
BALE CHAMBER	
Bale Chamber (W X H X L)	1,4m x 1,22m x 1,17m 56" x 48" x 46"
Bale Capacity	2 x 1,2m (47") diameter bales*
CONVEYOR	
Conveyor Drive	Hydraulic
No. of Conveyor Slats	7
ROTOR / CHOPPING UNIT	
No. of Disks on Rotor	7
No. of Knives	56
Rotor Drive Type	High Torque Belt Drive
Gearbox	Twin Speed
PTO	540 with slip & overrun protection
TRACTOR	
Minimum Horsepower	90 kW (120 hp)
Tractor Hydraulics	1 x feed, 1 x return
Minimum Oil Flow Requirement	35 litres/min @ 160 bar (2,320 psi)
Tractor Mounting	3 Point Linkage
Tyres	N/A
Tyres (Optional)	N/A
CONTROL	
Control	Expert control console with joystick chute control
Chute Rotation	300 degrees
Chute Composition	3 stage
Max. Discharge Distance	18 metres
	2,220 Kg (4894 lbs)
	5,75 m (226")
	4,42 m (174")
	2,22m (87")
	2,6 m (102")
	1,8m x 1,22m x 1,66m 71" x 48" x 65"
	2 x 1,2m (47") diameter bales
	Hydraulic
	10
	Hydraulic
	7
	56
	High Torque Belt Drive
	Twin Speed
	540 with slip & overrun protection
	51 kW (68 hp)
	1 x feed, 1 x return
	35 litres/min @ 160 bar (2,320 psi)
	Drawbar or 2 Point Linkage
	260/70 – 15,3
	340/55-16
	Expert control console with joystick chute control
	300 degrees
	3 stage
	18 metres
	2,450 Kg (5401 lbs)
	6,25m (246")
	4,92 m (194")
	2,22m (87")
	2,6 m (102")
	1,8m x 1,22m x 2,16m 71" x 48" x 85"
	2 x 1,5m (59") diameter bales
	Hydraulic
	13
	Hydraulic
	7
	56
	High Torque Belt Drive
	Twin Speed
	540 with slip & overrun protection
	51 kW (68 hp)
	1 x feed, 1 x return
	35 litres/min @ 160 bar (2,320 psi)
	Drawbar or 2 Point Linkage
	260/70 – 15,3
	340/55-16
	Expert control console with joystick chute control
	300 degrees
	3 stage
	18 metres
	2,899 Kg (6391 lbs)
	7,29m (287")
	5,96 m (235")
	2,24m (88")
	2,6 m (102")
	1,8m x 1,22m x 3,226m 71" x 48" x 127"
	3 x 1,5m (59") diameter bales
	Hydraulic
	17
	Hydraulic
	7
	56
	High Torque Belt Drive
	Twin Speed
	540 with slip & overrun protection
	51 kW (68 hp)
	1 x feed, 1 x return
	35 litres/min @ 160 bar (2,320 psi)
	Drawbar or 2 Point Linkage
	340/55-16
	N/A
	Expert control console with joystick chute control
	300 degrees
	3 stage
	18 metres

* 2 Bales of straw / hay
1 Bale only of silage / haylage



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