Main Specifications

| Model name | | | | JCB1810 |
|------------------------------------------|--------------------------------------------------|-----------------------------|-----------------------------|---------------------------------------------------------------------------------------|
| Dimensions: Length x Width x Height [mm] | | | | 6170×2250×2750 |
| Weight [kg] | | | | 5580 |
| Engine | Model Name | | | 4TN V94FHT-SRC2 |
| | Туре | | | Water-cooled 4-cycle 4-vertical cylinder intercooled diesel turbo engine |
| | Total Displacement [L{cc}] | | | 3.053 {3053} |
| | Maximum Output Power/Rotation Speed [kW{PS}/rpm] | | | 74.4{101.2}/2200 |
| | Fuel Type | | | Diesel Fuel |
| | Fuel Tank Capacity [L] | | | 110 (Steel) |
| | Compliance with 2014 Emission Regulation | | | Tier 4 compatible, DPF • Urea SCR installed (Urea Tank 14.3 litters) |
| Driving Section | Crawler | Width x Ground Contact Leng | th [mm] | 550×1845 |
| | | Center Distance | [mm] | 1150 |
| | | Average Ground Pressure | [kPa{kgf/cm ² }] | 26.0 {0.265} |
| | Gear Shifting Method | | | HST Variable Speed Electronic Control FDS with Hydraulic Servo |
| | Number of Gear [Step] | | | Stepless Forward/Reverse x 3-speed Sub-transmission (2 Hydraulic-Steps, 2 Gear-Steps) |
| | Traveling | Forward | [m/s] | Low Speed:0 \sim 0.88/Standard:0 \sim 1.76/Driving:0 \sim 2.81 |
| | Speed | Reverse | [m/s] | Low Speed:0 \sim 0.79/Standard:0 \sim 1.58/Driving:0 \sim 2.50 |
| Reaping Section | Reaping Method | | | 2 Drum Rotary |
| | Cutting Method | | | Flywheel Type (with simple shredder) |
| | Cutting Width [mm] | | [mm] | 1850 |
| | Number of Cutting Row [Row] | | [Row] | Forage Rice: 6 (interrow space: 30cm)/Dent Corn: 2 (interrow space: 75cm) |
| | Applicable Rod Length [cm] | | [cm] | 50cm or more |
| | Cutting Length [mm] | | [mm] | 9 • 10 • 13 • 14 (12 Knives) |
| | | | լոույ | 18 • 20 • 25 • 28 (6 Knives) |
| Conveyor | Model | | | Hopper • Conveyor Belt |
| Section | Hopper Capacity [m ³] | | [m³] | 1.0 |
| | Baling Method | | | Steel Roller + Flat Belt |
| Baling | Bale Size | | [mm] | Diameter 1000 x Width 860 |
| Section | Dry Density | Forage Rice | [kgDM/m³] | 180 |
| | | Dent Corn | [kgDM/m³] | 200 |
| Binding | Binding Method | | | Net Binding |
| Section | Number of Turn [Turn] | | [Turn] | 3 • 4 • 5 • 6 • 7 • 8 |
| Others | Monitor Camera | | | Standard Equipment (4 units) |
| | Lactic Acid Bacteria Spraying Device | | | Standard Equipment |
| | Portable Fire Extinguisher*2 | | | Standard Equipment |
| Work Efficiency [min/10a] | | | [min/10a] | 8 \sim 43 (for Forage Rice \cdot Fair Trade Standards) |
| | | | | |

*1: Light bales that are too dry may not be able to be discharged.

*2: Accumulation of dirt and dust around hot parts such as the engine and muffler can cause fire. Remove any dirt or dust when inspecting. In the unlikely event of a fire, please use a portable fire extinguisher as an initial extinguishing measure.

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*The Photos and specifications in this catalogue are subject to change without notice for improvement purposes.

*The values in this catalogue are actual measurements or values calculated based on actual value, and shown as general representative values, and may vary depending on the conditions of use, etc. Please use these as a guideline when making your decision.

Safety Precautions

•Please read the instruction manual carefully and use the product correctly and safely. •Please inspect and maintain the product thoroughly before and after use.

If you have any questions or comments about the product, please contact us below.



Official Web



Combination Baler

SIR







Forage harvesting goes one step further.

A single machine can handle everything from harvesting to baling a variety of forage crops. "Even more efficient" "Even higher quality" Becoming a reliable "Power" in the field of farming, where progress is required every day.





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Turning a wide variety of forage crops into high-quality silage.



A single machine can harvest a wide variety of forage crops, such as forage rice, dent corn, sorghum, and forage wheat. It produces high-quality silage with excellent fermentation quality of V-score 95 points or higher.

What is V-score?

One of indicators used to chemically evaluate the fermentation quality of silage based on the amount of acetic acid, butyric acid, and ammonia nitrogen. The quality standard is based on an overall rating of 80 points or above as "Good", 60-80 points as " Passable", and 60 points or below as "Poor".

1Rotary header that reaps without loss.

By introduction of the twin drum header with the drive unit located on the top, the crop can be cut low and flat so that harvesting work can be done with minimal loss.

| Cutting Width | 1850 mm | | |
|-----------------------|------------------------------------------------------------------------------------------|--|--|
| Number of Cutting Row | Forage Rice : 6 rows (interrow space: 30cm) Dent Corn : 2 rows (interrow space: 75cm) | | |
| Cutting Length | 9 • 10 • 13 • 14 • 18 • 20 • 25 • 28 mm | | |

2Feed Roller

4 rollers on the top and bottom securely press down the forage and transport it to the shredding section.

3Upper cut type Flywheel

The upper cut type knife cuts upwards in the direction of the chute. Any forage can be blown up reliably, regardless of its moisture content.

4Japan's first Simple Shredder

A single shredder between the flywheel and frame gives the forage minor scratches to improve the fermentation quality which leads to improve digestibility.





(2)

 Standard equipment of lactic acid bacteria spraying device.

A lactic acid bacteria spraying device is standardly installed on the right side of the machine. The discharge volume can be adjusted from the control box.



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6 Asymmetric Storage Hopper

Patent Applied

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The asymmetrically designed hopper makes it difficult for the machine to bridge, enabling non-stop operation.

*Non-stop operation may not be possible depending on field conditions, yield, and work speed.









Transport Conveyor

A hydraulically driven conveyor belt transports the forage smoothly to the bale chamber. The position of the belt is outside the frame, so that it can reduce the trouble of forage stacking inside the belt.

8Steel Roller

Excellent baling performance promotes lactic acid fermentation of forage. Baling by steel roller is extremely quiet and also leads to early detection of malfunctions.

Fully equipped to support professional work



Maintenance-free Cutting Blade

The reaping section uses a specially treated maintenance-free cutting blade. It keeps its sharpness and supports comfortable work.



Sharpening Device

A sharpening device is installed to maintain the sharpness of the flywheel knives.

Bale Ejector



The installation position is high and the structure makes it difficult to come into contact with the ridges when reaping the headland. It is able to turn in a small radius as the overall length of the machine is short.



Urea SCR System

The engine is equipped with a Urea SCR System that complies with Tire 4 exhaust gas regulations.



Centralized Oiling Device

Each chain on the machine is equipped with an automatic oiling device as standard.

Smasher

The residue after reaping work can be crushed appropriately, reducing the amount of waste such as netting and wrapping film required after baling. Another benefit is that it promotes further decomposition in the soil after residues are tilled in using a rotary tiller or similar tool.



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Chute Rotation Motor

*Optional Part : ACT1810

The chute position can be fine-tuned from the driver's seat, observing the state of the bale formation. It can also be used for cleaning.

Patent Applied

Removable Structure of **Conveyor Belt**

The conveyor belt is designed to be removable from the side. In the unlikely event of problem, downtime of the machine can be reduced.

Always operate comfortably





Centralized Lubrication Device

The standard centralized lubrication device can be used to grease up the reaping section.





Round Handle & All-around Shift Lever



Lift-switch of Reaping Section

Automatic Set Button of Reaping Section The reaping part will automatically lower to the setting height.

Automatic Transmission Sub-shift Button You can easily change gears with just pushing the button.

Control Box

- · Adopts an easy-to-read color monitor.
- · Can check the current work steps on the screen.
- · Detailed settings can be made such as the bale counter,
- bale pressure, and the timing of each oil supply.

Color Monitor

The images from 4 cameras installed inside the hopper, at the net roll-out, at the rear, and at the bale ejector can be checked at all times from the driver's seat. It is designed to minimize blind spots to ensure safe and secured work.