

1400 Series Large Square Balers

1433, 1424, 1434



Key Features

Simple technology that produces rock hard, super-dense, well shaped bales.



HIGH CAPACITY ROTOR

The heavy duty, aggressive, integrated converging augers and rotor tines provide maximum efficiency. The high performance rotor performs well in all crop conditions and is available in both precutter and non-precutter John Deere large square balers.



PRECOMPRESSION PACKER

John Deere pre-chamber design allows the baler to adapt to changing windrows for uniform flakes and a consistent bale.



UNIQUE SINGLE TIE KNOTTING

This system instantly releases the tension on the twine during the knotting cycle, providing increased reliability and trouble-free knotting.



CAM CLUTCH PROTECTION

Drivetrain functions are protected by a series of convenient clutches instead of shear bolts resulting in less downtime.



PLUNGER

46 strokes per minute results in high capacity. Extreme duty, 150 mm (6 in.) plunger bearings and hardened rails are standard on all John Deere models.



ISOBUS

This feature is standard on the LSB and the tractor's existing ISOBUS monitor can be used if available.

1433/1433C
80 x 90 cm



1424/1424C
120 x 70 cm



1434/1434C
120 x 90 cm



High Capacity Precompression Chamber and Packer

The John Deere integrated packer system ensures consistently-filled flakes and dense bales, regardless of windrow conditions.

Whether baling a small windrow, a large bulky windrow or an uneven windrow produced by a combine harvester or a uniform windrow produced by a rotary mower or rake, the results are the same, consistency in every flake and hard, wellshaped bales.

This consistency in bale shape and density improves bale handling, stacking and ease of transport and results in a more attractive bale to feed or sell.

With the John Deere system, crop is directly removed from the inline rotor by the single-feeder fork (red). This single fork works at twice the speed of the plunger and continuously moves the crop from the rear of the rotor into the precompression chamber to develop a crop flake of regular density. As the pre-chamber is filled to 100%, pressure is exerted on the wedges (white) at the top of the pre-chamber. At a set point, the pressure on the wedges is overcome, triggering the single feeder fork to take an extended stroke, sweeping the precompressed flake up into the bale chamber where the plunger compresses the crop to form a dense bale.



Machine Highlights

- 1** Full-access side doors
- 2** Cam clutch protection of drivetrain components
- 3** High capacity plunger – 46 strokes per minute
- 4** Adjustable hitch
- 5** High capacity rotor technology
- 6** Standard hydraulic jack
- 7** Hinged twine storage boxes for easy machine access
- 8** Unique precompression packer system
- 9** Steered, tandem axle with high-flotation tyres
- 10** Single-fold roller chute
- 11** 3 m (10') bale chamber with optimised bale density cylinder placement
- 12** 10 or 23 knife precutter



Options



Electric Bale Length Adjustment from the cab



Bale Drop Sensor



Automatic Greasing System



Hitch Options available

Take control

For the ultimate in productivity, team your new **ISOBUS certified** 1400 Series large square baler up with an advanced GreenStar ISOBUS display. They are designed for easy, trouble free performance in real life conditions.

Thanks to the intuitive interface, even less experienced operators are able to adjust and control the various settings from the cab:

- Bale density
- Precutter knife selection



Touch the future

As your business grows, so do your challenges. That's why it makes sense to invest in a display that has the future built right in: the new GreenStar 2630 touchscreen.

This incredible full-colour display gives you full monitoring and control over the intelligent solutions built into your John Deere tractor and baler. Moved to your sprayer it becomes a high-end GPS-enabled spray control, in the combine GreenStar 2630 is the hub of a comprehensive monitoring, mapping and documentation system. It's easy to use and is packed with all the features you need for years of high-end productivity.

From documentation and performance monitoring to guidance and advanced ISOBUS capabilities, the GreenStar 2630 sets new standards for convenience, comfort and efficiency.



Easy to follow

If you want outstanding flexibility, comprehensive guidance, realistic field views and ISOBUS implement control the 7-inch full-colour GreenStar 1800 Display is right for you.

The GreenStar 1800 Display supports the ISOBUS implement controls and it provides guidance applications including Parallel Tracking, AutoTrac and Sprayer Pro system. Multiple home pages enable you to toggle between your most used applications for added convenience.

Specifications

	1433	1433C	1424	1424C	1434	1434C
Bale dimensions	3x3	3x3	2x4	2x4	3x4	3x4
Width (cm/inches)	80/32	80/32	120/47	120/47	120/47	120/47
Height (cm/inches)	90/35	90/35	70/28	70/28	90/35	90/35
Length (cm/inches)	60/24 up to 300/118	60/24 up to 300/118	60/24 up to 300/118	60/24 up to 300/118	60/24 up to 300/118	60/24 up to 300/118
Pick-up						
Intake width (cm/inches)	210/83	210/83	230/91	230/91	230/91	230/91
Pick-up diameter (cm/inches)	34/13	34/13	34/13	34/13	34/13	34/13
Number of tine bars 4 – 5	4	4	5	5	5	5
Tine spacing (mm/inches)	61/2 3/8	61/2 3/8	61/2 3/8	61/2 3/8	61/2 3/8	61/2 3/8
Bale chamber						
Number of plunger strokes	46 / min	46 / min	46 / min	46 / min	46 / min	46 / min
Plunger stroke (cm/inches)	69.5/27	69.5/27	69.5/27	69.5/27	69.5/27	69.5/27
Density control	3 Hydr. Cyl.	3 Hydr. Cyl.	4 Hydr. Cyl.	4 Hydr. Cyl.	4 Hydr. Cyl.	4 Hydr. Cyl.
Bale chamber length (m/ft)	3/10	3/10	3/10	3/10	3/10	3/10
Control	ISOBUS (GS2 1800 or GS3 2630)	ISOBUS (GS2 1800 or GS3 2630)	ISOBUS (GS2 1800 or GS3 2630)	ISOBUS (GS2 1800 or GS3 2630)	ISOBUS (GS2 1800 or GS3 2630)	ISOBUS (GS2 1800 or GS3 2630)
Knotting system						
Number of knotters	4	4	6	6	6	6
Twine capacity (rolls)	24	24	24	24	24	24
Intake system						
High Capacity Rotor	X	X	X	X	X	X
Knives –/10 –/23	N/A	10	N/A	23	N/A	23
Cutting length (mm/in)	N/A	70/2¾	N/A	45/1¾	N/A	45/1¾
Knife protection	N/A	Single spring	N/A	Hydraulic	N/A	Hydraulic
Wheels and Axles						
Tandem axle steered (opt)	500/55-20	500/55-20	500/55-20	500/55-20	500/55-20	500/55-20
Brakes system air/hydr.	Air / hydr.	Air / hydr.	Air / hydr.	Air / hydr.	Air / hydr.	Air / hydr.
Dimensions						
Length (m/ft)	7.8/25' 7"	7.8/25' 7"	8.0/26' 3"	8.0/26' 3"	8.0/26' 3"	8.0/26' 3"
Width (m/ft)	2.76/9' 1"	2.76/9' 1"	3.0/9' 10"	3.0/9' 10"	3.0/9' 10"	3.0/9' 10"
Height (m/ft)	2.7/8' 10"	2.7/8' 10"	2.75/9'	2.75/9'	2.75/9'	2.75/9'
Weight (kg/lbs)**	7700/16,975	7700/16,975	8800/19,400	8800/19,400	9210/20,370	9210/20,370
Minimum tractor requirement	87 kW (115 hp)	87 kW (115 hp)	98 kW (130 hp)	98 kW (130 hp)	109 kW (145 hp)	109 kW (145 hp)

Horsepower requirement may vary with different crops, conditions and options used.

Consult operators manual for correct tractor sizing.

Keeping you in the fast lane.

The 1400 Series Large Square Baler is built to withstand years of hard work in tough conditions. It's a John Deere: professional, friendly support from the finest dealer network in the industry is only a phone call away.

Our certified technicians are experts in on-site diagnosis and troubleshooting; when it's time for replacement parts, your dealer offers unmatched parts support.



John Deere Financial – A range of finance options as powerful as our products. Contact your John Deere dealer for a comprehensive range of finance options to suit the specific needs of your business. Not available in all countries please consult your local dealer.

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