

# COTTON EXPRESS AND MODULE EXPRESS COTTON PICKERS

**CASE IH**  
AGRICULTURE





## **THE WORLD OF FARMING IS CHANGING. WILL YOU BE READY?**

More from the land. More from yourself. More from your equipment.  
Which is why we also demand more. More powerful engines.  
More productivity boosting features. More approachable and knowledgeable Case IH experts.  
And we do all this to better serve you and the needs of your operation.



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## YOUR OFFICE IN THE FIELDS.

The Case IH Cotton Pickers cab is designed for two persons. With its wide angle of view, powerful air-conditioning and remarkable sound and vibration insulation, it creates a comfortable operating environment for operators.



### COMFORT AND SAFETY WITHOUT COMPROMISES.

Operator's seat has an air suspension system and is equipped with an "operator presence system". This safety feature shuts off the row units after the operator leaves the seat of a stationary machine and protects the operator against possible risk of accident.





### ALL DATA, JUST ONE MONITOR.

The A-pillar monitor displays all the operational data and values regarding the cotton picker. Engine and fan rpms, operating hours, Bar-lube lubrication system indicator, moisture pressure indicator, picking unit performance monitor, fuel level, engine temperature and battery voltage indicators and all visual and audio warnings are displayed on this monitor.



### ERGONOMIC CONTROLS.

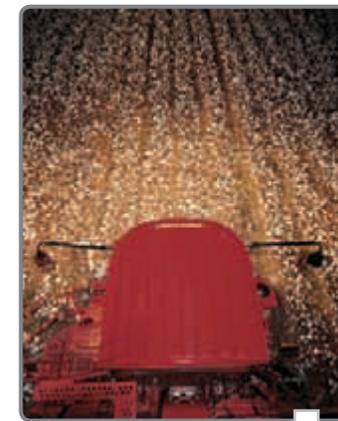
All controls can be found on the console that is located on the right of the operator's seat. This console is integrated to and moves together with the seat. Multi-function control lever, three-level hand throttle, controls regarding moistening, compaction and unloading and all other controls are located on this console.

Hydraulic locking switch on the control console locks the hydraulic systems of the row units and basket controls when the cotton picker is in the road condition. Therefore, accidental move of row units and basket while the picker is in the road condition is prevented.



### PATENTED EMERGENCY SYSTEM.

In addition to the lighting system and air-conditioner controls, an emergency unload switch is located on the front headliner. When this button is pressed in case of emergency, the fan is automatically stopped, basket door is opened and the cotton in the basket is quickly unloaded, all with a single push of the button. This system is a patented feature specific to Case IH Cotton Pickers.



### TURNING NIGHT INTO DAY.

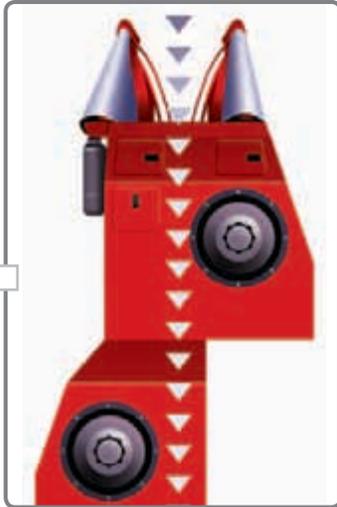
Thanks to the lighting system consisting of multiple halogen lights on the cabin, night operations are no different from those during the day.

## A PRODUCTIVE HARVEST STARTS HERE.

Enjoy maximum return of your investment with industry-leading dual side picking system.

Just one pass, and all the cotton on your fields will be harvested until the last flock.

Case IH Cotton Pickers have the highest capacity baskets in the market. Thanks to their patented compaction system, a complete filling of the basket and a cotton payload that is 25% higher than the baskets with similar volumes are achieved.



### DUAL SIDE PICKING SYSTEM.

Thanks to the patented dual side picking system, cotton rows are taken between two picking drums and the cotton is picked on both sides, left and right. Patented spindle-drum design allows a more thorough plant penetration and complete coverage of the plant on left and right sides. **With this feature, a highly efficient picking is carried out without leaving any cotton on the plant and requiring a second pass, even on farms with high yield.**



### AUTOMATIC HEIGHT SENSING SYSTEM.

Thanks to the automatic height sensing system used in **Case IH Cotton Pickers**, row units follow the surface of the field at the **adjusted height and successfully picks the cotton at the lowest parts of the plant**. When there is an obstacle, related units may be lifted temporarily and after the obstacle is negotiated, these go back to their row height position. Row unit cabs of fully-welded manufacturing and picking drums that are driven completely by gears are reliable, long-lasting and require minimum maintenance.



### PATENTED COMPACTION SYSTEM.

**Three hydraulically driven integral augers carry the transferred cotton towards the back of the basket.**

When a specific resistance is reached in front of the augers, compacter bars, to which the augers are connected, are automatically activated and compact the cotton in the bin towards the surface of the basket; if required, automatic mode can be deactivated and the compaction can be commanded manually.

## SUPERIOR PICKING PERFORMANCE.

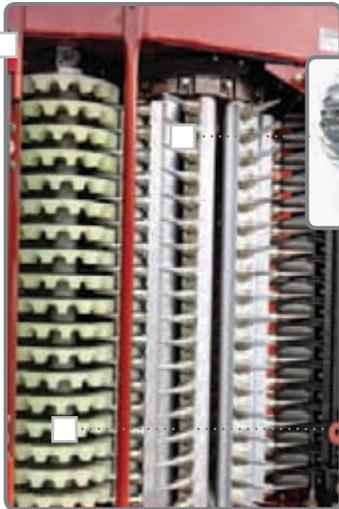
With its long bar length, the cotton on the high plants on farms with a high yield is easily picked. There are 12 spindle bars on each drum and 18 spindles on each spindle bar. Therefore, there are 216 spindles on each drum and 432 spindles on each row unit. **This means that the cotton is picked by 1,728 spindles in 4 row pickers, 2,160 spindles in 5 row pickers and 2592 spindles in 6 row pickers.**

**Conveyor blockage sensors immediately alert the operator of accumulation of cottons or blockages via fast and accurate warnings.** Therefore, it prevents doffers or brushes from being damaged. There are no risks of misleading the operator via wrong warnings. In addition, due to its location, it prevents accumulation of cotton around the brush bar and minimizes the time spent for cleaning and maintenance.

## GREAT RELIABILITY. EASY MAINTENANCE.

**Brushes (moistener pads) used in the conveyors of Case IH Cotton Pickers are replaceable. Moistener pad holders are manufactured using high-strength plastic and their impact resistance is three times higher.** With their flexible construction, they show perfect harmony with the spindles and carry out cleaning and moistening processes completely. Moistener pad bar can turn outwards and allow faster and easier maintenance and cleaning procedures.

**Using 2-function service tether with spiral cables, drums can be activated from outside the cabin, spindles, doffers and brushes can be controlled and all maintenance procedures can be carried out easily.** In addition, closing and opening of row units can be carried out with the other key on the control. This gives the operator a great freedom of movement and a view of vision.



## DURABLE DOFFERS.

**Doffers used in Case IH Cotton Pickers are manufactured using durable, yellow urethane material.** Tiny particles produced during the friction are easily cleared from the fiber during ginning. Thanks to the durable structure of the urethane material, a prolonged life cycle is provided.

## HIGH-EFFICIENCY SPINDLES.

**Spindles with a superior barb design perform high-quality picking with a high efficiency.** There are 14 barbs on the spindle. The first three barbs have a 30° angle and allow the cotton to be removed from the spindle without damaging it. The remaining 11 barbs, with their 45° angle, allow the cotton on the capsule to be transferred to the spindle without breaking and to the doffers without dropping.

## WORK, UNLOAD, BACK TO WORK. SMOOTH OPERATIONS.

Case IH Cotton Express 420 cotton pickers is emptied by being lifted in a vertical position. Centre of gravity does not change, less tension is provided on the machine's frame and wheels, and machine balance is not affected. This allows unloading without any risk of turnover even in sloped fields. Unloading height can be changed between 2.8 m and 3.7 m, making it possible to easily fill trailers and trucks with different heights. In addition, as the unloading is carried out via an elevator at the bottom by transferring towards the side, and not by tipping, it is possible to stop the unloading at the required point and continue with another trailer.





### MAXIMUM CLEANNES, NO LOSS.

Case IH Cotton Express 420 cotton pickers feature 2 fans. Therefore, **air is supplied to the row units from two separate points, creating a stronger vacuum effect.** Through this, a large part of the particles in the cotton is cleaned and extracted, and the cotton is transferred to the basket, via a strong air stream, without any loss.

### ADDITIONAL FILTRATION SAFETY.

Case IH Cotton Express 420 cotton pickers can be equipped with Separ filters that provide **additional filtration against water and foreign matters** that may be found in the fuel.



### MOVE CONFIDENTLY.

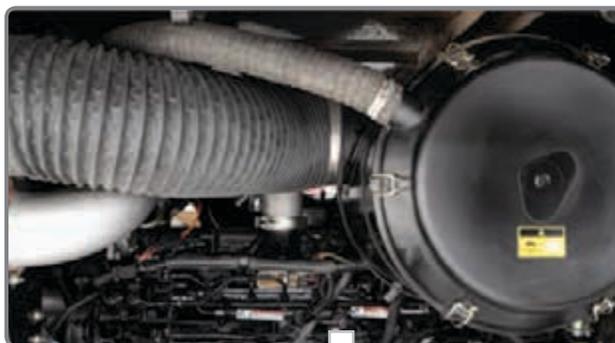
Four-wheel drive is provided as an optional feature in Case IH Cotton Express 420 cotton pickers. Carried out with the help of hydraulic motors, the driving of steering wheels promotes superior traction performance and sensitive steering.

**Reinforced chassis of Case IH Cotton Express 420 cotton pickers ensures durability and long life cycle.** The chassis of the picker is designed for a total of 5 row units.



### DUAL WHEEL SYSTEM CONVENIENCE.

**Strong chassis and strong final drive of Case IH Cotton Express 420 cotton pickers allow the use of dual wheel.** Without any loss in the speed and doubling the footprint area. As the pressure applied by the machine to a wider surface decreases, earth compaction will be minimized and the machine will operate in a more stable and safe manner under muddy or soft field conditions. Dual wheels can be easily mounted and dismantled when required. Dual wheel system is a cost-saving, highly-efficient and practical application.



### POWERFUL AND ECONOMICAL ENGINE.

Case IH Cotton Express 420 is equipped with a 6-cylinder, 8.3 lt. CUMMINS engine. **Featuring a common-rail fuel injection system and a Turbo- Aftercooler, this engine produces 275 hp power under 2200 rpm.** It provides low fuel consumption and the highest performance under the harshest field conditions.



### AUTOMATIC GREASING SYSTEM.

In Case IH Cotton Express 420, grease is automatically applied to the parts of the cotton picker that require periodical greasing. Grease is delivered at the specified time intervals, through the specified time period and in the specified amount. **The automatic greasing system is equipped with safety valves against a possible blockage in the system itself.**



## MORE POWER MORE PRODUCTIVITY.

Want to carry out more work per unit of time with low workmanship costs? High-capacity agricultural equipment, one of the basic requirements of modern agricultural production, it's the answer. Based on a rich heritage of leadership in the industry, Case IH Cotton Express 620 cotton pickers continue to set the standards for higher quality and advanced technology, and deliver the heavy-duty harvesting you need in your high-yielding fields.



### POWERFUL ENGINE.

Case IH Cotton Express 620 cotton pickers have a 6-cylinder and 8.3 liter engine with a power of 340 hp. The machine is equipped with a 757 l tank that can easily meet its daily fuel requirements. This allows harvesting all day without any refueling.





### A POWERFUL BREATH OF CLEAN AIR.

The rotary air screen placed at the rear of the machine minimizes filter maintenance requirements and provides the **clean air required by the engine even under the harshest conditions.** The position of rotary air screen makes maintenance and cleaning processes relatively easy.



### INCREASED BASKET CAPACITY.

In order to meet the high capacity of Case IH Cotton Express 620, **the basket volume is increased to be capable of carrying 4.5 tons of cotton.**



### TRACTION WITHOUT COMPACTION.

In order to minimize earth compaction as **a result of the weight of the machine, the machine is continuously operated with dual wheels** and the machine is capable of dual-drive operation to provide superior maneuvering capabilities and contribute to traction power.

In order to prevent accumulation of mud between the wheels while operating under wet field conditions, the wheels are equipped with optional scrapers.



### PERFECTLY POSITIONED BAR-LUBE TANK.

It is very easy to access and refill the bar-lube tank placed on the left rear wheel of the machine. Positioning of the tank on the back of the machine contributes to machine stability.



### LESS FATIGUE, MORE EFFICIENCY.

**Optional automatic steering system adds up to less fatigue** for the driver during long harvesting periods and maximizes machine harvesting efficiency.

## EFFICIENCY THEN AND NOW.

In 1943 International Harvester introduced the first mechanized cotton harvester. The H-10-H effectively established the commercial cotton picker market and helped revolutionize the cotton industry.

Today Case IH continues to pioneer the industry with the Module Express 635 cotton pickers that provide maximum picking efficiency while eliminating costly steps in the harvest process, thus allowing the most economic and efficient cotton harvest today.



### AMPLE POWER TO WORK WITH.

Case IH Module Express 635 cotton pickers have powerful and economic

**Iveco Cursor 9 engines with a capacity of 8.7 liters and a power of 400 hp.**



### FAST HARVESTING

**Reaching a speed of 6.8 km/h in first gear, Case IH Module Express 635 cotton pickers provide superior picking performance.**



### ECOLOGY AND ECONOMY.

With their four-wheel drive and dual-wheel capabilities, Case IH Module Express 635 cotton pickers provide superior traction performance even under the harshest field conditions. Having the lowest machine weight in its class, **Case IH Module**

**Express 635 minimizes soil compaction resulting from field traffic and provides low fuel consumption values.**



Combining the cotton picking and baling processes into a single machine, some of the superior features of Case IH Module Express 635 cotton pickers are:

- **Low fuel consumption**
- **No additional materials for baling**
- **More harvest and higher-quality cotton at high speed**
- **Low workmanship costs**
- **Ability to transport the cotton bales without requiring large investments,**
- **No large-scale investment in the existing ginning facilities.**



## MORE THAN MACHINES TO WORK FOR YOU: WE'VE GOT PEOPLE TO WORK WITH YOU.

When you buy a Case IH machine, you can be sure not only that you're buying the best product, but also that you've got the best dealer back-up behind you. Case IH dealers can offer advice on selecting the right machine, will ensure they deliver what you need when you need it, and will then continue to back you and your equipment with the service and spare parts backing you'd expect from a name as trusted as Case IH.

### SKILLED BUSINESS ADVISOR AT YOUR DEALERSHIP DEMAND MORE FROM YOUR CASE IH DEALERSHIP.

Purchasing a standalone piece of new equipment? Keeping a whole fleet up-to-date? Whatever your size of operation, contact your local Case IH dealership for professional advice on your business needs. Case IH knows your farming needs best.



### MAINTAIN THE PRODUCTIVITY OF YOUR INVESTMENT.

Case IH and its dedicated dealer network provide excellent support when you take delivery of your new machine and whilst it remains in your ownership. On the farm, you can rely on trained service professionals to maintain the productivity of your investment.



### DEFEND YOUR WORK, INVESTMENT AND EQUIPMENT. ALWAYS CHOOSE CNH INDUSTRIAL GENUINE PARTS.

Protect the value of your investment. Behind every Case IH product stands an extensive parts logistics organisation, stocking parts for products both old and new. Choosing to fit genuine Case IH parts will maintain the safety, value and performance of your original investment.



MODELS	COTTON EXPRESS 420	COTTON EXPRESS 620	COTTON EXPRESS 635
<b>ENGINE AND CAPACITIES</b>			
Horsepower ( kW / hp)	202 / 275	250 / 340	294 / 400
Brand and Model of The Engine	Cummins	Cummins	Iveco
Number of Cylinders / Displacement (l)	6 / 8.3	6 / 8.3	6 / 8.7
Aspiration	Turbo-Aftercooler	Turbo-Aftercooler	Turbo-Aftercooler
Fuel Capacity (l)	568	757	757
Battery (2 ea.)	12 Volt/700 A (each)	12 Volt/950 A (each)	12 Volt/950 A (each)
<b>TRANSMISSION</b>			
Type	3 Stage Hydrostatic Transmission	3 Stage Hydrostatic Transmission	3 Stage Hydrostatic Transmission
1st Gear (km/h)	0 – 5.8 (5 row)	0 – 6.3	0 – 6.8
2nd Gear (km/h)	0 – 6.8 (5 row)	0 – 7.7	0 – 8.4
3rd Gear (km/h)	0 – 27.3 (5 row)	0 – 24.1	0 – 24.1
Dual Wheel System	○	●	●
4-Wheel Drive	○	●	●
<b>PICKING DRUMS</b>			
Number of rows	4 or 5	6	6
Drum Lift	Separate Left- and Right- Hand	Separate Left- and Right- Hand	Separate Left- and Right- Hand
Height Control	Automatic Sensing	Automatic Sensing	Automatic Sensing
Row Spacing (mm)	Narrow 4 row and 5 row 762-813 / Wide 4 row and 5 row 914-1016 / 965-1016	Narrow and Wide 6 Row 762-813 / 914-1016	Narrow and Wide 6 Row 762-813 / 914-1016
Drive System	Gear	Gear	Gear
Rotor Protection	Forward and Reverse	Forward and Reverse	Forward and Reverse
Bars per rotor (Front / Rear)	12 / 12	12 / 12	12 / 12
Pick Orientation	Front-Rear picking from both sides on the Plant	Front-Rear picking from both sides on the Plant	Front-Rear picking from both sides on the Plant
Bar Material	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy
Spindles per Bar (ea.)	18	18	18
Spindle Diameter (mm)	12.7	12.7	12.7
Barbs per Spindle (ea.)	3 Rows of 14 per Row	3 Rows of 14 per Row	3 Rows of 14 per Row
Doffer Type	Urethane	Urethane	Urethane
Doffer Material	Neoprene, Non-contaminating	Neoprene, Non-contaminating	Neoprene, Non-contaminating
Bar - Lube System Tank Capacity (l)	227	303	303
Bar Lubrication Activation	Automatic Counter w/ Reminder	Automatic Counter w/ Reminder	Automatic Counter w/ Reminder
<b>COTTON CONVEYING</b>			
Type	Dual Fans, Separate Air Sources per Row	Dual Fans, Separate Air Sources per Row	Dual Fans, Separate Air Sources per Row
Fan Type	Venturi	Venturi	Venturi
Fan Speed (rpm)	4,100	4,100	4,100
<b>MOISTENER SYSTEM</b>			
Water Tank Material	Polyethylene	Polyethylene	Polyethylene
Water Tank Capacity (l)	1,380	1,380	1,380
Moistener Pads	Replaceable, Oil-Resistant Urethane	Replaceable, Oil-Resistant Urethane	Replaceable, Oil-Resistant Urethane
<b>BASKET</b>			
Capacity (m <sup>3</sup> )	32.5 (3,856 kg)	39.6 (4,762 kg)	27.2 (1,814-5,443 kg)
Type	Vertical Lift with Power-Metered Unloading and Horizontal Bottom Conveyor	Vertical Lift with Power-Metered Unloading and Horizontal Bottom Conveyor	Tilt Back with Ground Speed Synchronized Unloading
Compactor	Press-type with Integral Augers	Press-type with Integral Augers	Press-type with Integral Augers
Compactor Activation	Automatic or Manual	Automatic or Manual	Automatic or Manual
Max. Unloading Height (mm)	3,658	3,658	–
<b>WEIGHTS</b>			
Approximate Dry Weight (kg)	15,853 (4 Rows) -16,828 (5 Rows)	20,230	23,950

\*\* Rear Tyres other than those mentioned are available: 480/70R30, 420/70R30, 16.9 R30, 18.4R30, 480/70R34, 12.4R36, 16.9 R34, 18.4 R34, 13.6R36, 13.6R38, 16.9 R38 ● Standard ○ Optional

 SAFETY NEVER HURTS!™ Always read the Operator's Manual before operating any equipment. Inspect equipment before using it, and be sure it is operating properly. Follow the product safety signs, and use any safety features provided. This literature has been published for worldwide circulation. The standard and optional equipment and the availability of individual models may vary from one country to the next. Case IH reserves the right to undertake modifications without prior notice to the design and technical equipment at all times without this resulting in any obligation whatsoever to make such modifications to units already sold. Whilst every effort is made to ensure that the specifications, descriptions and illustrations in this brochure are correct at the time of going to press, these are also subject to change without prior notice. Illustrations may show optional equipment or may not show all standard equipment.

Case IH recommends **ACCEL** lubricants.

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