

**CASE IH**  
AGRICULTURE  
FOR THOSE WHO DEMAND MORE

# COTTON EXPRESS®

420 AND 630 COTTON PICKERS



A man with short, graying hair and a goatee, wearing a grey t-shirt, stands in a vast cotton field. The background shows a sunset with a warm orange and yellow glow on the horizon, transitioning to a clear blue sky. The cotton plants are in full bloom, with white bolls visible. A red banner is overlaid at the bottom left of the image.

**EQUIPMENT DESIGNED  
TO BOOST YOUR  
PRODUCTIVITY**



To allow you to gain more from the land, more from yourself and more from your equipment, we also demand more...

More powerful and efficient engines, more productivity boosting features and a more approachable and knowledgeable Case IH dealer network. Our focus is our customer, we want to give you more.

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# YOUR OFFICE IN THE FIELDS.

## Operator environment

Designed for two, Case IH cotton picker cabs offer space and comfort. A wide angle view provides excellent visibility, while powerful air-conditioning and remarkable sound and vibration insulation, creates a comfortable environment for operators, even after long hour use.

### COMFORT AND SAFETY WITHOUT COMPROMISES.

Comfortable and safe. The Case IH 420 and 630 cotton pickers feature an air suspension seat for the operator, to smooth out bumps in the paddocks and to minimise fatigue. It's also equipped with an 'operator presence system' that automatically shuts off the row units if it detects that the driver has left their seat while the machine is stationary, minimising their risk of injury.

### ALL DATA, JUST ONE MONITOR.

The convenient A-pillar-mounted monitor displays all the cotton pickers' operational data in one interface. Information including engine and fan rpm, operating hours, bar-lube lubrication system status, moisture pressure status, picking unit performance, fuel level, engine temperature and battery voltage indicators are all covered. All visual and audio warnings are also displayed via this monitor, providing the operator with complete control.

### ERGONOMIC CONTROLS.

For ease of use, all controls are located on the console to the right of the operator's seat. This console is integrated – and moves – with the seat,

ensuring it's always within easy reach. Operating the cotton pickers is simple and efficient via the multi-function control lever which features three-level hand throttle, moistening, compacting and unloading control along with associated controls, all in one system. As a safety feature, a hydraulic locking switch is fitted to the control console, disabling the hydraulic systems of the row units and basket controls when the machine is on the road, preventing accidental operation.

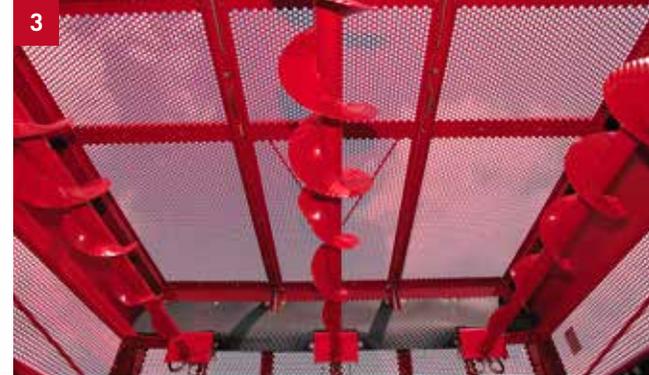
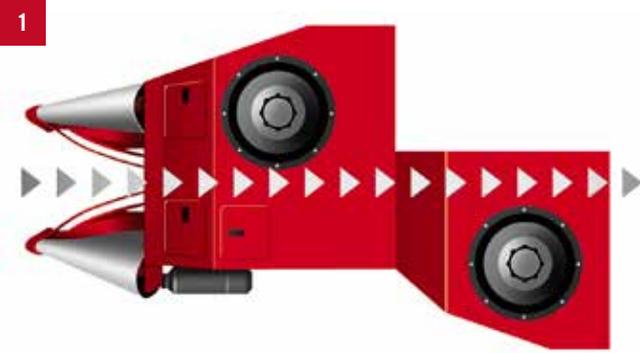
### PATENTED EMERGENCY SYSTEM.

Located on the front headliner within easy reach is a button to engage Case IH's patented emergency system. When pressed in case of emergency, the cotton pickers' fan is automatically stopped, the basket door is opened and the cotton within is dumped.

### TURNING NIGHT INTO DAY.

A cabin-mounted, heavy duty lighting assembly consisting of powerful, multiple halogen lamps, allows users to confidently operate at night with excellent visibility.

- 1 COMFORT AND SAFETY WITHOUT COMPROMISES**
- 2 ALL DATA, JUST ONE MONITOR**
- 3 ERGONOMIC CONTROLS**
- 4 PATENTED EMERGENCY SYSTEM**
- 5 TURNING NIGHT INTO DAY**



# PATENTED PICKING SYSTEM

Efficiency and productivity

Enjoy maximum return on your investment with our 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 available. Thanks to their patented compaction system, a complete basket fill is assured, providing a cotton payload that is up to 25 per cent higher than competitor baskets with similar volumes.

## 1 DUAL SIDE PICKING SYSTEM

Using Case IH's patented dual side picking system, cotton rows are harvested between two picking drums on both the left and right sides. A patented spindle-drum design provides more thorough plant penetration and complete coverage of the plants on either side. This technology delivers a highly efficient picking process that won't leave cotton on the plant, meaning there is no need for a second pass, even on high yield farms.

## 2 AUTOMATIC HEIGHT SENSING SYSTEM

Thanks to the cotton pickers' automatic height sensing system, row units follow the contour of the field at the adjusted height and pick the cotton at the lowest parts of the plant. When there is an obstacle, the affected units can be temporarily lifted, and once the obstacle is negotiated, they return to their original row height position. The row unit cabs feature fully-welded construction, while the picking drums are completely gear-driven, providing superior reliability and longevity with minimum maintenance.

## 3 PATENTED COMPACTION SYSTEM

The innovation continues in the Case IH cotton picker range with its 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, the compactor 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 allowing the operator to compact manually.

## 4 SUPERIOR PICKING PERFORMANCE

With its long bar length, even tall plants on high yield farms are easily picked. For greater performance, each drum contains 12 spindle bars with 18 spindles on each. This amounts to 216 spindles on each drum and 432 spindles on each row unit. This means that the cotton is harvested by 1,728 spindles in four row pickers and 2,592 spindles in six row pickers, which equals excellent picking efficiency.

To minimise downtime from blockage, conveyor sensors immediately alert the operator via the display monitor if cotton accumulates. This reduces the likelihood of doffers or brushes being damaged. A warning will also be given if cotton accumulates around the brush bar, reducing cleaning and maintenance time. The system is extremely accurate and reliable.



#### 6 JET POST

The additional air stream supplied by this system keeps the picking units cleaned, dramatically reducing the risk of choke and also assisting to push the cotton straight into the basket.

#### 6 GREAT RELIABILITY. EASY MAINTENANCE

The conveyor brushes (moistener pads) used in Case IH cotton pickers are replaceable helping to reduce downtime. The moistener pad holders are manufactured with high-strength plastic and offer impact resistance that is three times higher than some competitor models. With their flexible construction, they integrate perfectly with the spindles resulting in a thorough cleaning and moistening processes. The moistener pad bar even turns outward to allow faster and easier maintenance and cleaning. Using a dual-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 efficiently undertaken. In addition, row units can be closed and opened with the other key on the control. This gives the operator great freedom of movement and vision.



#### 7 HIGH-EFFICIENCY SPINDLES

The cotton pickers are also equipped with spindles featuring a superior barb design, allowing them to undertake high-quality picking with maximum efficiency. There are 14 barbs on the spindle, the first three have a 30° angle which 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 being dropped.

#### 8 DURABLE DOFFERS

Doffers used in Case IH cotton pickers are manufactured using durable, urethane material. The tiny particles produced during harvesting are easily cleared from the fibre during ginning. Thanks to the durable nature of the urethane material, the doffers are hard wearing and provide a long life cycle.







# WORK, UNLOAD, BACK TO WORK. SEAMLESSLY

## Cotton Express 420

Case IH Cotton Express 420 cotton pickers empty their payload by lifting the basket into a vertical position. Importantly, the machine maintains its centre of gravity and balance is unaffected, allowing it to be unloaded without risk of turnover even in sloped fields. This emptying process also reduces the tension on the machine's frame and wheels.

Unloading heights can be adjusted at between 2.8m and 3.7m, to accommodate various size trailers and trucks. Additionally, as unloading is carried out via an elevator at the bottom that transfers the load towards the side, and not by tipping, unloading can be stopped at any time and restarted into an empty truck or trailer.

### MAXIMUM CLEANNESS, NO LOSS

Case IH Cotton Express 420 cotton pickers feature two fans, supplying air to the row units from two separate points, creating a stronger vacuum effect. This superior vacuum allows more particles in the cotton to be extracted and transferred to the basket by this strong air stream without loss.

### POWERFUL AND ECONOMICAL ENGINE

The Case IH Cotton Express 420 is equipped with a 6-cylinder, 8.3L Cummins turbocharged engine with common-rail fuel injection system, allowing it to produce an impressive output of 275 horsepower under 2,200 rpm. Despite the high output, it also delivers low fuel consumption and has been tested and proven to perform at the highest levels even in the harshest operating environments.

**1** MAXIMUM CLEANNESS, NO LOSS

**2** POWERFUL AND ECONOMICAL ENGINE

**3** ADDITIONAL FILTRATION SAFETY

**4** AUTOMATIC GREASING SYSTEM

### ADDITIONAL FILTRATION SAFETY

For added peace of mind, Case IH Cotton Express 420 cotton pickers can be optioned with water separation filters that provide additional filtration against water and foreign matter ingress in to the engine from poor quality fuels.

### AUTOMATIC GREASING SYSTEM

This Cotton Picker also provides the convenience of an Automatic Greasing System that administers lubricant to the components that require periodic greasing. The grease is cleverly delivered in the correct quantities and at the specified maintenance intervals, minimising operator intervention. The automatic greasing system is also equipped with safety valves to protect against a possible blockage in the system itself.





# MORE POWER, MORE PRODUCTIVITY.

## Cotton Express 630

If you want to achieve more work, more efficiently, then modern, high-capacity agricultural equipment, such as the Case IH Cotton Express 630 is the answer.

Drawing on our rich heritage industry leadership, Case IH Cotton Express 630 cotton pickers set the standard, delivering clever design, reliability and advanced technology, to handle all heavy-duty harvesting requirements.

### A POWERFUL BREATH OF FRESH AIR

Located at the rear of the machine, a rotary air screen provides clean air to the engine even in dusty conditions, allowing it to operate at its optimum level. The position of the air screen is also easy to access for faster cleaning and maintenance.

### TRACTION WITHOUT COMPACTION

To minimise earth compaction caused by the weight of the machine, the cotton picker spreads its weight over dual wheels to increase its surface area to the ground. The machine also benefits from dual-drive operation, providing superior manoeuvrability and traction even over slippery surfaces.

The wheels can also be specified with optional scrapers which help prevent the accumulation of mud between them in wet conditions.

### PERFECTLY POSITIONED BAR-LUBE TANK

Placed near the left rear wheel of the machine, the bar-lube tank is easily accessible for refilling. The positioning also contributes to the machine's stability.

### BEST-IN-CLASS BASKET CAPACITY

The Case IH Cotton Express 630 features a bigger basket with volume more than 4.5 tonnes of cotton, providing increased productivity and fewer stops to unload.

### FAST MOVEMENT BETWEEN PADDOCKS

To make a faster transition between paddocks and fields to the next harvest areas, this cotton picker features telescopic chutes, which can be retracted to allow for quick transportation. Operation of the chutes and basket are controlled via a conveniently located switch at the side of the cabin.

**1 A POWERFUL BREATH OF FRESH AIR**

**2 TRACTION WITHOUT COMPACTION**

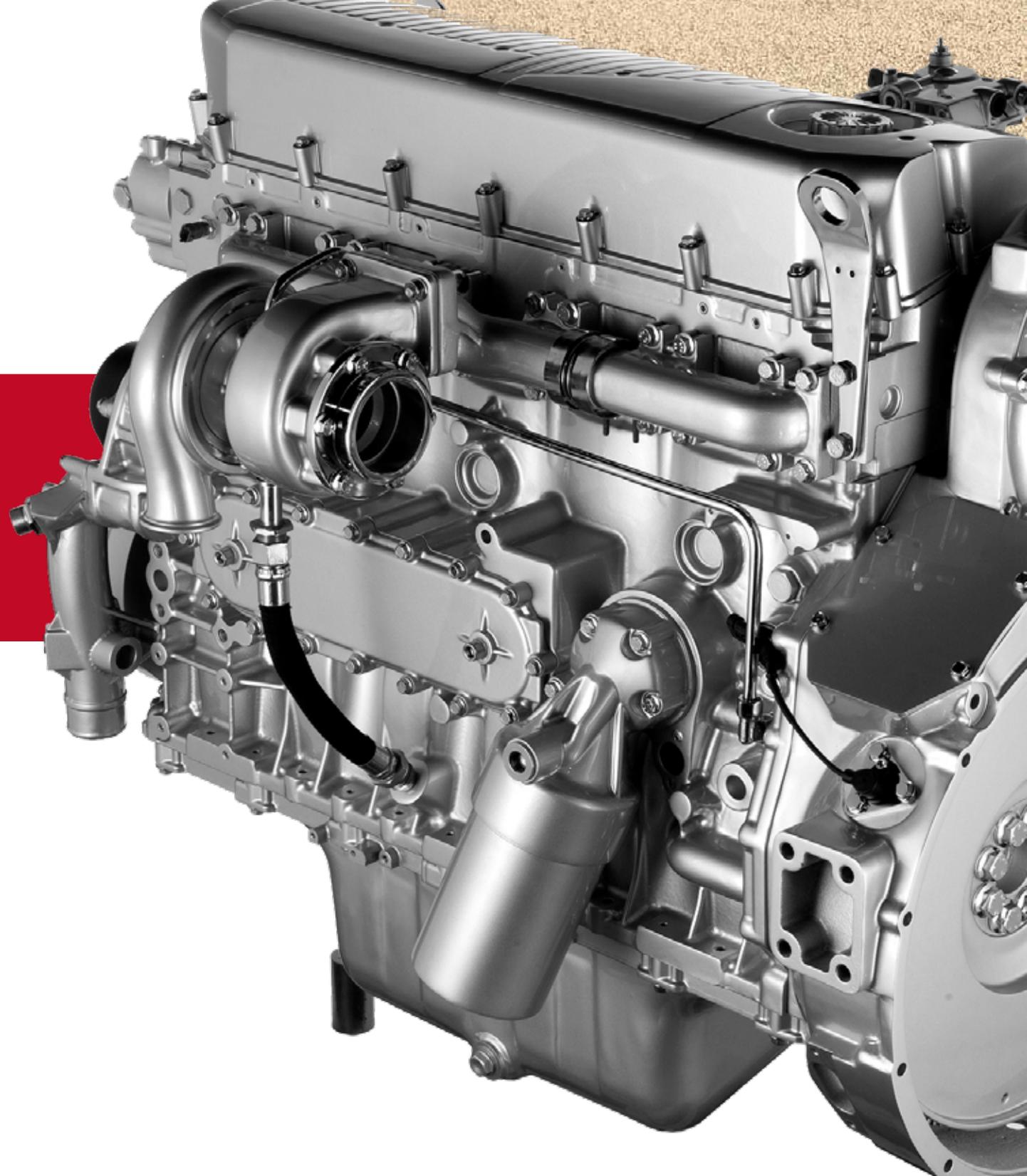
**3 PERFECTLY POSITIONED BAR-LUBE TANK**

**4 BEST-IN-CLASS BASKET CAPACITY**

**5 FAST MOVEMENT BETWEEN PADDOCKS**

## POWERFUL ENGINE

Case IH Cotton Express 630 cotton pickers are powered by a 8.7 litre, 6-cylinder turbocharged FPT engine producing an impressive power output of 373hp. To minimise fuel stops, models are equipped with a 757 litre fuel tank which will easily meet the day's operating requirements without needing to be filled.







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

Assistance and support

When you invest in a Case IH machine, you can rest assured that you're not only buying the best product available, but that you'll also be completely supported by an extensive and professional dealer network.

Case IH dealers can provide advice on selecting the correct machine for the application, ensuring it performs as it should from the outset. They'll also continue to support your equipment with the quality service and parts backing you'd come to expect from Case IH.

## **YOUR CASE IH DEALERSHIP - SHARE OUR EXPERTISE**

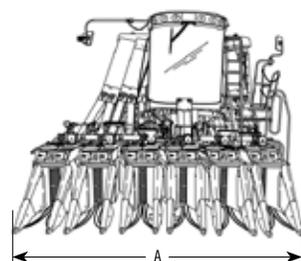
Case IH and its dedicated dealer network provide excellent support when you take delivery of your new machine and whilst it remains in your ownership. Whether you're purchasing a standalone piece of new equipment or buying a whole fleet, contact your local Case IH dealership and receive the best professional advice on your equipment needs. Case IH knows farming, so share in our expertise. Our team is dedicated to providing customers with outstanding support throughout ownership of your equipment.

## **MAINTAIN THE PRODUCTIVITY OF YOUR INVESTMENT - USE CNH INDUSTRIAL GENUINE PARTS!**

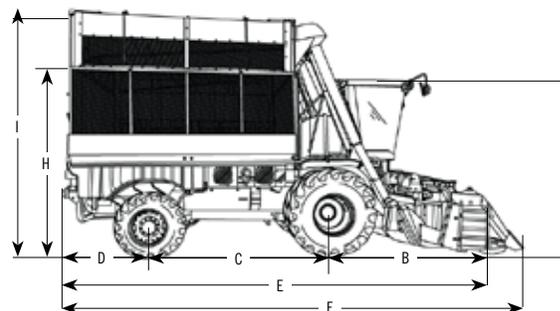
Protect the value of your investment. Every Case IH product is backed by an extensive parts logistics organisation, stocking parts for all models no matter what their age. Choosing to fit genuine Case IH parts will maintain the safety, value and performance of your original investment. Case IH also provide skilled service technicians that can visit you on site to service and repair your equipment or to diagnose issues.



MODELS	COTTON EXPRESS 420	COTTON EXPRESS 630
<b>ENGINE AND CAPACITIES</b>		
Horsepower ( kW / hp)	202 / 275	274 / 373
Brand and Model of The Engine	Cummins	FPT
Number of Cylinders / Displacement (l)	6 / 8.3	6 / 8.7
Aspiration	Turbo-Aftercooler	Turbo-Aftercooler
Fuel Capacity (l)	568	757
Battery (2 ea.)	12 Volt/700 A (each)	12 Volt/950 A (each)
<b>TRANSMISSION</b>		
Type	3 Stage Hydrostatic Transmission	3 Stage Hydrostatic Transmission
1st Gear (km/h)	0 – 6.3	0 – 6.8
2nd Gear (km/h)	0 – 7.7	0 – 8.4
3rd Gear (km/h)	0 – 29.6	0 – 24.1
Dual Wheel System	–	●
4-Wheel Drive	–	●
<b>PICKING DRUMS</b>		
Number of rows	4	6
Drum Lift	Separate Left- and Right- Hand	Separate Left- and Right- Hand
Height Control	Automatic Sensing	Automatic Sensing
Row Spacing (mm)	Narrow 4 row 762-813	Narrow 762-813
Drive System	Gear	Gear
Rotor Protection	Forward and Reverse	Forward and Reverse
Bars per rotor (Front / Rear)	12 / 12	12 / 12
Pick Orientation	Front-Rear picking from both sides on the Plant	Front-Rear picking from both sides on the Plant
Bar Material	Aluminum Alloy	Aluminum Alloy
Spindles per Bar (ea.)	18	18
Spindle Diameter (mm)	12.7	12.7
Barbs per Spindle (ea.)	3 Rows of 14 per Row	3 Rows of 14 per Row
Doffer Type	Urethane	Urethane
Doffer Material	Non-contaminating	Non-contaminating
Bar - Lube System Tank Capacity (l)	227	303
Bar Lubrication Activation	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
Fan Type	Venturi	Venturi
Fan Speed (rpm)	4,100	4,100
Jet Post	●	●
<b>MOISTENER SYSTEM</b>		
Water Tank Material	Polyethylene	Polyethylene
Water Tank Capacity (l)	1,380	1,380 + 568
Moistener Pads	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)
Type	Vertical Lift with Power-Metered Unloading and Horizontal Bottom Conveyor	Vertical Lift with Power-Metered Unloading and Horizontal Bottom Conveyor
Compactor	Press-type with Integral Augers	Press-type with Integral Augers
Compactor Activation	Automatic or Manual	Automatic or Manual
Max. Unloading Height (mm)	3,658	3,658
<b>WEIGHTS</b>		
Approximate Dry Weight (kg)	15,853	20,780



	CE420 (4 row narrow)	CE630 (6 row narrow)
Overall width (A)	4,381 mm	5,065 mm



	CE420 (4 row narrow)	CE630 (6 row narrow)
Front Overhanging (B)	3,028 mm	2,950 mm
Wheel Base (C)	3,313 mm	3,725 mm
Rear Overhanging (D)	1,228 mm	1,657 mm
Overall length w/o dividers (E)	7,569 mm	8,437 mm
Overall length (F)	8,316 mm	9,131 mm
Cab height (B)	3,845 mm	3,810 mm
Collapsed Basket height (H)	3,870 mm	3,870 mm
Extended basket height (I)	4,902 mm	4,902 mm

● standard equipment  
– not available

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[WWW.CASEIH.COM](http://WWW.CASEIH.COM)

**CNH Industrial Asia, Middle East & Africa**  
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Safety never hurts! Always read the Operator's Manual before working with 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 **AKCELA** lubricants.



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