

C O T T O N E X P R E S S™ P I C K E R S



C A S E I N T E R N A T I O N A L



COTTON EXPRESS: BECAUSE TIME IS MONEY.

When bolls start opening, it's payoff time. Time to bring in the results of a whole season's investment and hard work. This is when you see how important your choice in pickers really is—when speed and reliability come down to dollars and cents.

Your pickers have to be at work every hour of good weather—no time for complicated adjustments, no time for breakdowns. This is Cotton Express time.

Ever since the first Case International Cotton Express pickers pulled into cotton country, they've been leaving the competition acres behind. And now with the 2000 Series, you'll see the pace quicken and the gap widen even more.

The 2-row 2022 and 4-row 2044 bring you a higher level of reliability

with gear-drive drums. A higher level of productivity, too, with advancements like the on-board lubrication system to get your pickers into the fields faster every morning. And with larger Dof-Flex® doffers, they'll pick faster and come out with more top-dollar cotton.

And, of course, Power-Metered unloading still has the competition scrambling to catch up. No other system unloads with more control, more ease, and more stability—resulting in more cotton inside the module builder instead of on the ground.

Engineering advances like these keep Case International Cotton Express pickers worthy of their name. And keep you out front when time really counts.

Everything about the 2000 Series is aimed at improving your productivity. They give you more harvesting muscle than their predecessors, along with more designed-in reliability and efficiency to bring in your crop on schedule.

FASTER, MORE RELIABLE THAN EVER.

The most significant advancements in both the 2-row 2022 and the 4-row 2044 involve the drums. Gear drives replace all chains. Slanted fronts improve visibility. Rotors now have additional protection in both forward and reverse modes. And a one-piece welded drum frame adds strength and reliability.

To get your Cotton Express pickers into the field faster every morning, each operator will have an on-board lube system and

a service bypass tether switch to inspect rotors while greasing. They'll be able to grease all critical points in a matter of minutes before heading for the fields.

An enlarged Dof-Flex doffer diameter with a new cabinet now handles larger volumes of cotton—quickly and efficiently. Further up the line, the cotton monitor sensors have been repositioned to reduce the need for cleaning.

Improved productivity calls for extra power, so we've made sure you'll have plenty. The high-torque 225 hp 6TA-830 powers the 2044, while the reliable 160 hp 6TA-590 powers the 2022. Turbocharged and aftercooled, both diesels make the most of every drop of fuel.

You'll have improved safety, too. An operator presence system stops the drums whenever the transmission is in neutral and the operator leaves the seat.

TRUE TO COTTON EXPRESS TRADITION.

The 2000 Series retains all the 1800 Series features that made Cotton Express pickers famous for flying through fields and bringing out top-dollar yields.

A few examples:

Picking rotors work both the right and left sides of each row to bring in more cotton at a faster pace.

Power-Metered unloading means your pickers spend less time at the module builder and more time picking. It also means cleaner samples because you won't be dumping the trash that settles on the basket top.

With big-basket capacities, your operators will also spend less time going to and from the module builders. Choose the 725 cu. ft. standard or the 827 cu. ft. optional basket on the 2022, the 875 cu. ft. standard or 1025 or 1150 cu. ft. optional on the 2044.

With hydrostatic drive, your operators will take command of an infinite number of speeds in each of three ranges, letting them adjust to conditions for efficient harvesting. And with road speeds up to 17 mph, they'll move quickly from field to field and save precious picking time.

Both models accommodate 38" and 40" rows. With 12 aluminum alloy bars per rotor and 72,576 total bars on the 2044 and 36,288 on the 2022, these pickers clean up a field in a hurry.

ROWS, OR FOUR.



GEAR DRIVE DRUMS.

You won't find any chains from the transmission all the way to the spindles and doffers. This means you'll have fewer moving parts to deal with—for simpler maintenance and greater reliability to keep your harvest on the go.

You'll also have a simpler, more reliable grease delivery system to each drum rotor. One lube line does the whole job. And since that line is metal rather than plastic, you can look forward to a long, dependable life.

Now take a look at the exterior. You'll notice better operator visibility, a cleaner top, and no exposed threads on the tilt adjustment. You'll also see a sturdy one-

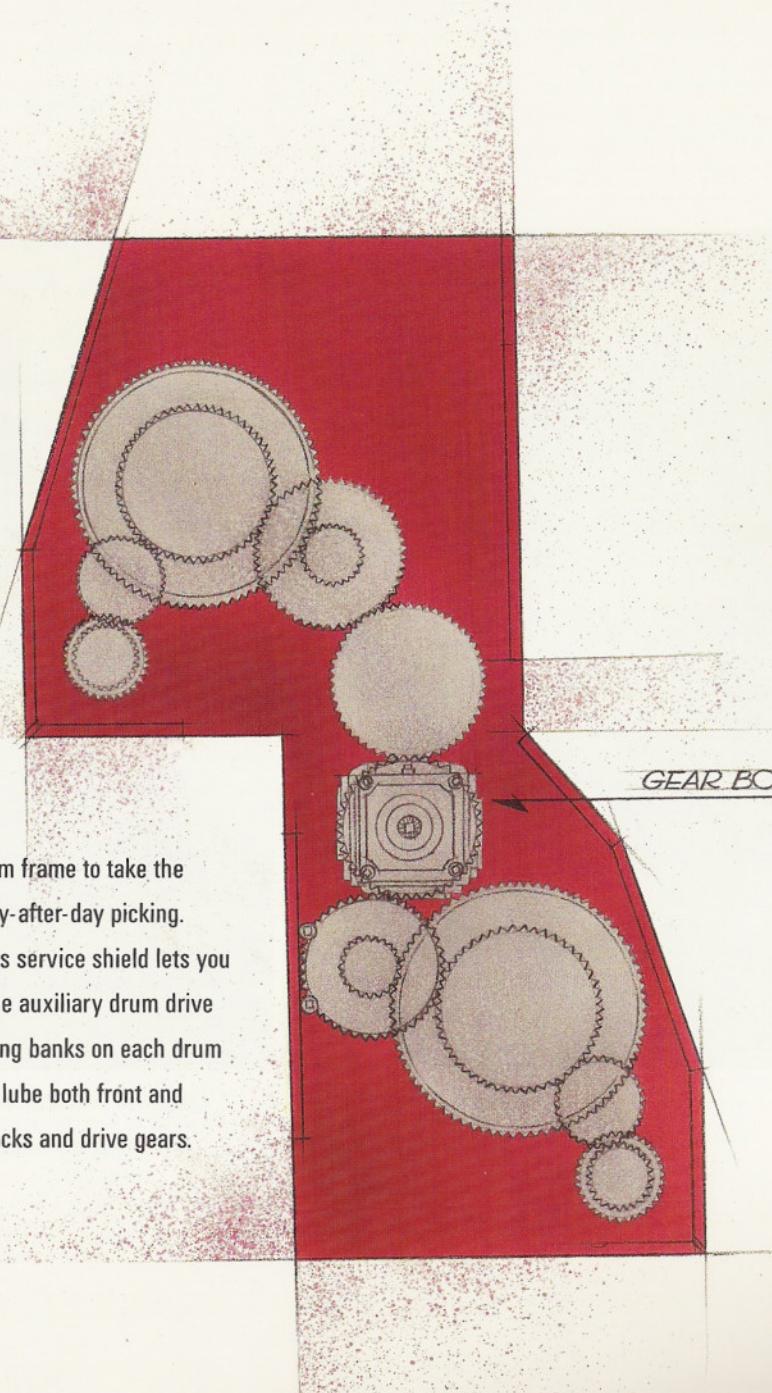
piece welded drum frame to take the punishment of day-after-day picking.

An easy-access service shield lets you quickly inspect the auxiliary drum drive shaft. Grease fitting banks on each drum make it simple to lube both front and rear rotor cam tracks and drive gears.

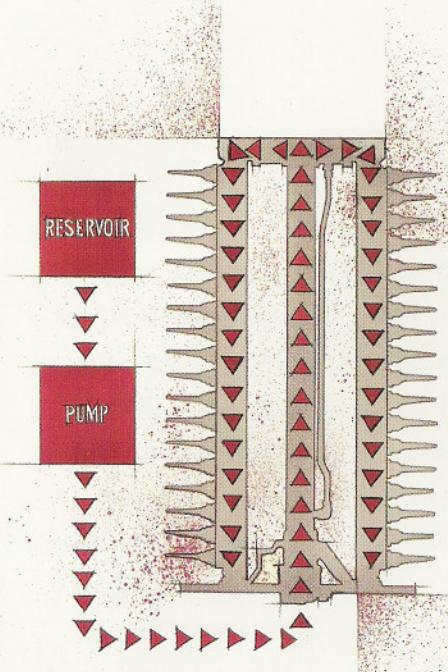
ON-BOARD LUBRICATION.

The Cotton Express on-board lube system cuts the time it takes to get your pickers in action every morning, and to keep them moving day and night if necessary. Your operators now can grease all picker bars and bearing caps right from the cab using the on-board system.

And what if you want to inspect the rotors while greasing? No problem, just use the convenient service bypass tether located at the drum.



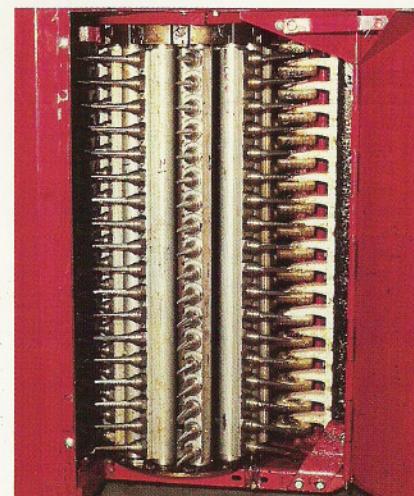
A NEW PACE.



MORE ADVANTAGES THAT KEEP YOU ON THE GO.

□ Newly styled Protec-O-Matic®: Your operators can now drive the drums backward as well as forward. Think of the time this can save when removing chokes.

□ Proven spindle bars: These are the same high-strength aluminum alloy spindle bars as those on the 1800 Series pickers. With short-barrel, $\frac{1}{2}$ "-diameter spindles



and 42 barbs per spindle, they just can't be beat for clean picking and efficient doffing.

□ Larger Dof-Flex doffers: We enlarged these exclusive doffers and redesigned the cabinets to handle more crop, faster than ever. You'll find these larger doffers are less sensitive to adjustment, too.

□ Like all Dof-Flex doffers, they're oil resistant and feature flexible lugs for long service life. A center hub adds strength to the doffer backing plate, thus helping maintain the close tolerances you need for clean, efficient doffing. A handy adjustment wrench also holds each doffer assembly in position.

Optional doffer speed-up gears easily transform your Cotton Express into a real go-getter for tough conditions and Pima cotton.

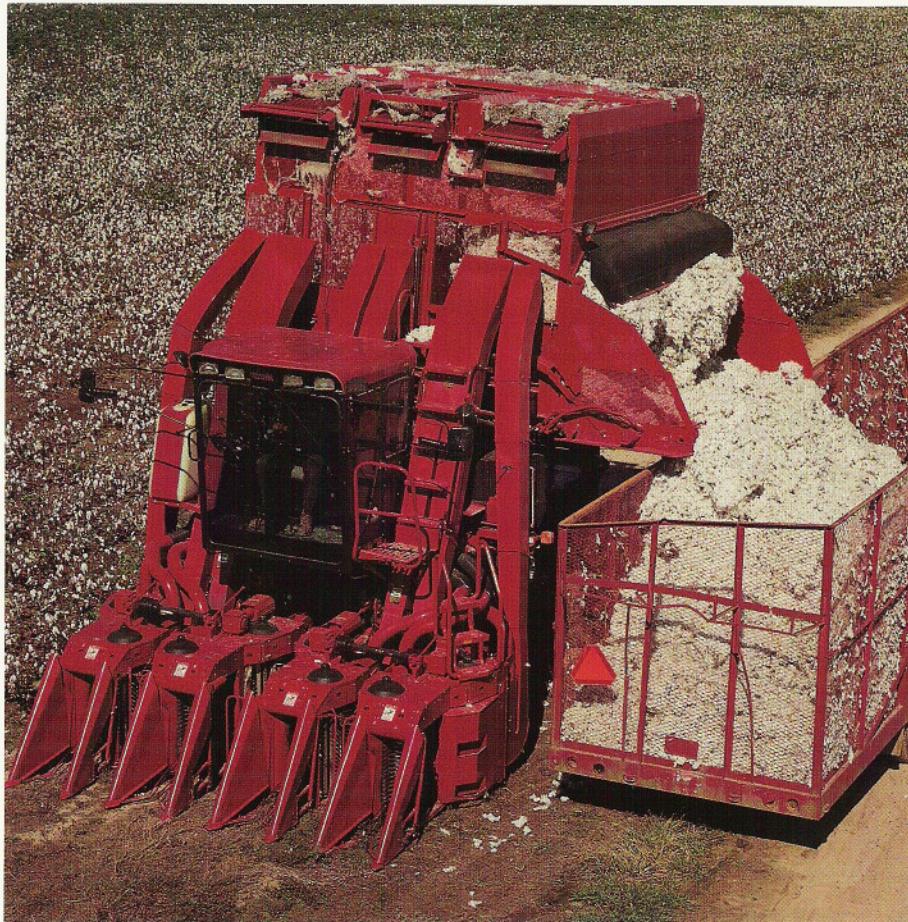
□ Pressurized moisture system: Another easy-to-use system to help keep your harvest on target. It adjusts from the operator's seat using a pressure regulator and gauge. An in-line screen, along with a centralized sediment bowl, filters the water to avoid plugging nozzles. A conveniently placed service door makes it easy to access and remove nozzles, and a standard quick-fill valve speeds up refilling.



□ Automatic drum height sensing: Located up front on the plant lifters, they respond quickly to ground contour, reducing shoe bulldozing. Right- and left-hand row units operate independently, so one side can be raised while the other lowers. Helps you get more of those low-hanging bolls.

An override switch allows the operator to raise right or left drums to clear obstacles. Cables replace linkage on the 2000 Series to minimize wear and breakage.

UNLOADING SYSTEM: A GENERATION AHEAD.



Once you see a Case International Cotton Express picker in action, you'll wonder how anyone could get along without the vertical lift basket and Power-Metered unloading.

In fact, Cotton Express operators can unload and be well on the way to filling the next basket before others finish



jockeying into position, raising, tilting, dumping, and picking up spillage.

By day's end, you'll be acres and bales ahead. By season's end, you'll have more good clean cotton at the gin, while others may be waiting for a break in the weather to salvage what's left of their crop.

ONE MAN, ONE LEVER.

The operator pulls along side the trailer or module builder—no need to jockey into an exact position. With one lever located just to the left of the seat, he raises the basket, opens the unloading door, starts and stops the conveyor chain, closes the door, then lowers the basket.

Lifting the basket vertically keeps the center of gravity right where it's meant to be—in the center. You won't need special stabilizer cylinders or additional ballast in right-side tires, which could impair handling in the field.

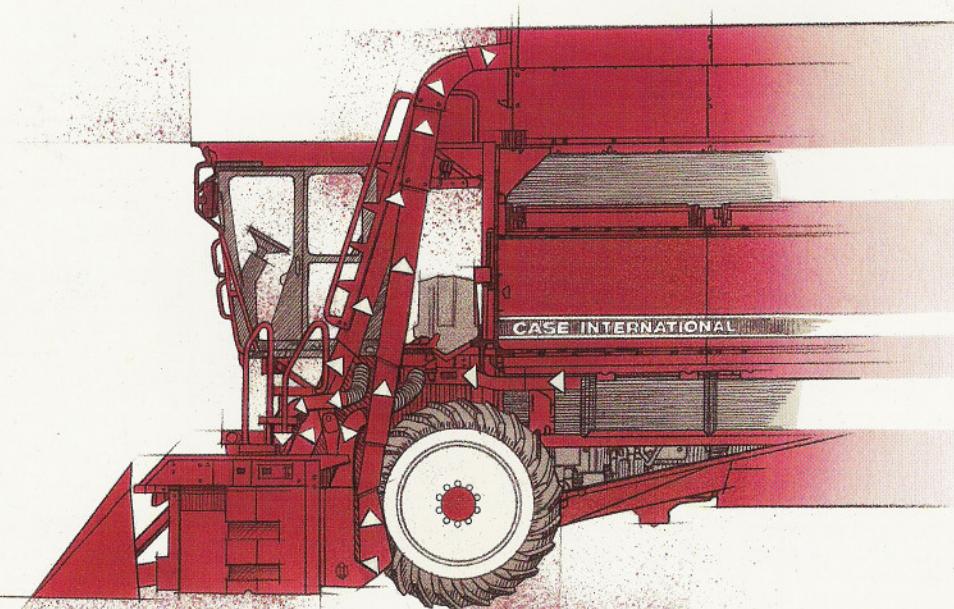
Perhaps most important, you won't need two or three extra hired hands to dig cotton out of the basket and spread it over the trailer or module builder. This system tops out beautifully—with just one operator at the control.

INDUCED AIR SYSTEM: NO BOTTLENECKS.

You'll also have less spillage due to wind. The basket lowers right down to the top of the receptacle, whatever the height from 9½ all the way up to 12 feet. You can expect to unload denser cotton, too, because the Cotton Express uses a press-type basket compactor rather than augers. You get greater basket capacity and ability to select either manual or automatic compactor rates to suit your picking needs.

Staying on schedule. That's the key to a successful picking season. And that's why we built in a big-capacity induced air system.

It starts with a high-capacity Venturi conveyor fan creating a strong vacuum to pull lint from the doffers. Your crop then moves at high speed through large conveyor pipes to assure free flow and low back pressure.



Monitor sensors, placed at strategic points from drums to the basket, keep an eye on the flow of cotton—unlike other systems that monitor air pressure. They also keep an eye on rotor and fan speeds. Should flow or the speed of a fan or rotor drop below normal, the system alerts the operator with both an audible alarm and a warning light.

The easy access door at the lower rear of the conveyor pipes simplifies inspection and service. It also provides a convenient way to salvage loose cotton from the ground—just toss it in, and the air flow takes it to the basket.

THE CAB: DESIGNED FOR WORKING PRODUCTIVELY.

Superior operator productivity. Every square inch of this interior was designed with that goal in mind. You know as well as anyone how important comfort and convenience are when you're facing long hours of picking. It's all part of achieving the highest possible productivity.

Your operators will appreciate the extra roominess of this 58-inch (1473 mm) wide cab. There's plenty of room to stretch out now and then, even for a big person. That means less fatigue, greater alertness, a better job of responding to picking conditions.

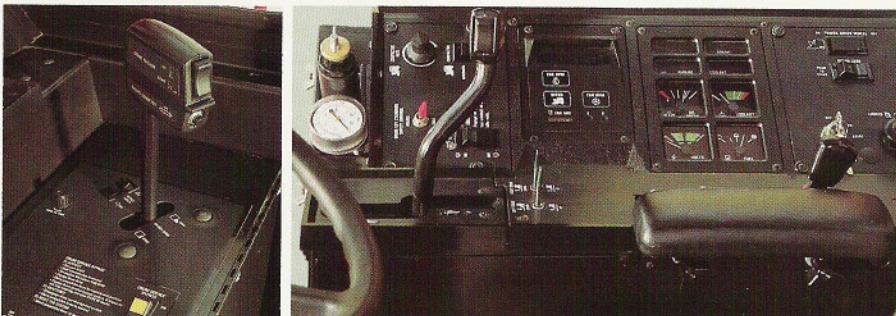
The seat's fit for a pilot. Designed to adjust to each individual's posture and to let the operator vary the position throughout those long picking days and nights. It raises and lowers as it's moved back and forth. The flip-up arm rest on the left

and the adjustable one on the right come standard, as does the long-wearing fabric.

Even the steering pedestal adjusts—in fact, to five different positions—to match arm length and preference.

CONTROLS WHERE YOU'D EXPECT.

located where they're easy to see and read. Basic operating controls plus the monitor for engine, conveyor fan, and ground speed appear on the right-hand console. Other operation controls, including the single-lever unloading control pictured here, appear on the left. Additional



Case engineers spent many hours in the field talking to operators, finding out where they wanted the controls to be located. As a result, you'll find controls conveniently grouped, and monitors and gauges

controls on the floor and steering pedestal allow quick, easy response to changing conditions. The headliner houses the monitor and cab environment controls.

A PANORAMIC VIEW.

Picking efficiency begins with a keen, watchful eye. That's why we made sure the operator can view the whole picking process through tinted glass in all directions. The slanted windshield provides an unobstructed view of the picking units. The large rear window and inside rear view mirror allow him to watch discharge pipes. And big side windows give him excellent left and right views.

hydraulically controlled, both lateral and longitudinal. Wait for all motion to stop before moving machine unless otherwise specifically indicated in the Operator's Manual.

6. **DO NOT** Start engine or move away from machine unless engine is running.

7. Reduce speed when turning or applying individual brakes.

8. Reduce speed by using the hydraulic transmission's torque converter when applying the hydraulic brakes.

9. Reduce speed when turning or depress the clutch pedal on turns.

10. Create leader profile (operator for long gear or low gear) when turning or depress the clutch pedal on public roads unless posted for long gear or low gear.

11. Do not exceed 20 MPH.

12. Use proper machine safety.

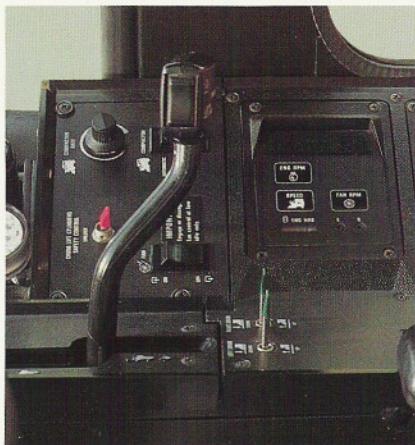
Read the Operator's Manual.



THE MECHANICS: POWERFUL YET PRECISE.

HYDROSTATIC DRIVE TRANSMISSION.

With a single lever, your operator can choose an infinite number of speeds in three ranges, forward and reverse. This makes it easy to respond to changing conditions



and keep productivity at optimum level.

A top transport speed of 17 mph (27.3 km/h) gets your Cotton Express pickers from field to field 20 percent faster

than others. That can add up to a big advantage over a whole season, letting you get more productive time out of your picker investment every year.

Another transport advantage—the top portion of the basket lowers hydraulically to about the height of the cab, clearing

overhead wires and obstructions, making storage easier.



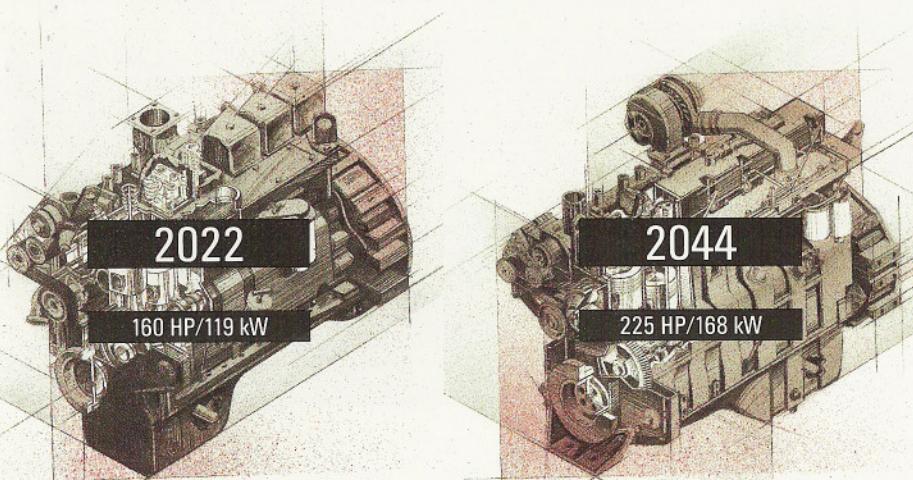
TURBOCHARGED, AFTERCOOLED DIESEL ENGINES.

Fuel efficiency is one important advantage you can look forward to in these Case International engines. Turbocharged and aftercooled, they harness more hard-working energy from every gallon, and put the savings down on your bottom line.

They're faster, too. You'll have ample power to achieve synchronized maximum picking speed of 3.5 mph (5.6 km/h). That goes for both the 160 hp (119 kW) 6TA-590 in the 2022 and the 225 hp

(168 kW) 6TA-830 in the 2044. This is the brute power you need to bring in big-yielding cotton on schedule—especially critical in bad-weather seasons when picking days are limited.

When picking's done, you'll tackle the job of scrapping with the same big-power advantage. Both models achieve maximum scrapping speeds of 4.1 mph (6.5 km/h) to help you pocket extra dollars per acre in short order.



MAKE SHORT WORK OF SERVICING.

As you well know, having fast, easy maintenance is vital to achieving efficient harvesting. So we've made sure the 2000 Series Cotton Express pickers take only a few minutes to service and that every point of service is easy to access. This is especially important when you rely on hired hands to keep up daily maintenance.



Standard equipment includes a chassis lube bank system with 19 fittings on the 2022 and 25 on the 2044.

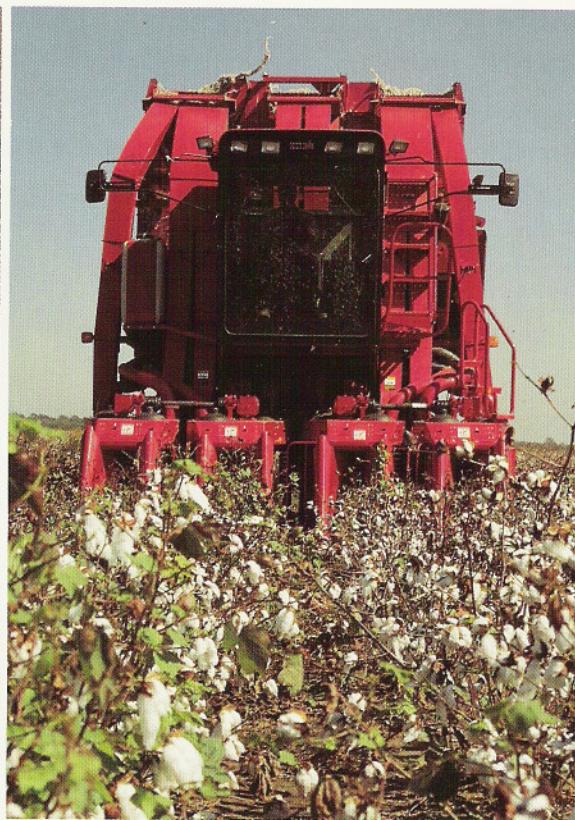
The 90-gallon (340.6 L) fuel tank refills easily from ground level. A standard



quick-fill valve speeds up refilling of the large capacity water tanks: 130 gallons on the 2022 and 260 gallons on the 2044.

Lifting the side screen allows easy access to the engine compartment and requires no tools. A unique service door on top allows easy access to radiator, oil cooler and air conditioner condenser. And batteries can be inspected from ground level on the left side of the machine.

You can reach the air cleaner from ground level, too. Two elements provide maximum engine protection. A service indicator alerts the operator should either element clog.



COTTON EXPRESS SPECIFICATIONS

2022

ENGINE	
Model	6TA-590
Displacement-cu. in. (L)	360 (5.9)
Type	Turbo/Aftercooled
Horsepower (kW)	160 (119)
Alternator	110 amp
TRANSMISSION	
Input	Hydrostatic
Ranges	3
GROUND SPEED	
1st gear-mpm (km/h)	0.3.5 (0.5.6)
2nd gear-mpm (km/h)	0.4.1 (0.6.6)
3rd gear-mpm (km/h)	0.17.0 (0.27.3)
PICKING DRUMS	
Number of rows	2
Rotor protection	Forward/Reverse
Bars per rotor	12
Bar material	Aluminum Alloy
Spindles per bar	18
Spindle diameter-in. (mm)	½ (12.7)
Barbs per spindle	3 rows-14 per row
Total barbs per machine	36,288
Row spacing-in. (mm)	38, 40 (965, 1016)
Drive system	Gear
Stalk lifter rods	Standard
COTTON CONVEYING	
Fans	1
Conveyors	4
MOISTENER SYSTEM	
Type	Pressurized
Pressure fill for tank	Standard

COMPACTOR	
Operation	Automatic
Style	Press
CAPACITIES	
Basket-cu. ft. (m ³)	
Standard	725 (20.5)
Optional	827 (23.4)
Fuel tank-gal. (L)	90 (340.6)
Water tank-gal. (L)	130 (492)
DIMENSIONS	
Overall length-ft. (m)	24'7" (7.46)
Width-ft. (m)	11'8" (3.56)
Height	
Standard basket-ft. (m)	13'11" (4.24)
One ft. extension-ft. (m)	14'11" (4.53)
Transport-ft. (m)	12'3" (3.73)
Unloading Height-ft. (m)	9'6"-12' (2.90-3.66)
Wheelbase-in. (mm)	124.3 (3157)
Weight-lbs. (kg)	20,520 (9308)
OPTIONAL EQUIPMENT	
20.8-34 (10 PR) R2 tires	
(Includes mud shields and scrapers)	
Air conditioning	
Basket extension 827 cu. ft. (23.4 m ³)	
Plant lifter extensions	
Ether start	
Mud shields and scrapers	

2044

ENGINE	
Model	6TA-830
Displacement-cu. in. (L)	505 (8.3)
Type	Turbo/Aftercooled
Horsepower (kW)	225 (168)
Alternator	110 amp
TRANSMISSION	
Input	Hydrostatic
Ranges	3
GROUND SPEED	
1st gear-mpm (km/h)	0.3.5 (0.5.6)
2nd gear-mpm (km/h)	0.4.1 (0.6.6)
3rd gear-mpm (km/h)	0.17.0 (0.27.3)
PICKING DRUMS	
Number of rows	4
Rotor protection	Forward/Reverse
Bars per rotor	12
Bar material	Aluminum Alloy
Spindles per bar	18
Spindle diameter-in. (mm)	½ (12.7)
Barbs per spindle	3 rows-14 per row
Total barbs per machine	72,576
Row spacing-in. (mm)	38, 40 (965, 1016)
Drive system	Gear
Stalk lifter rods	Standard
COTTON CONVEYING	
Fans	2
Conveyors	8
MOISTENER SYSTEM	
Type	Pressurized
Pressure fill for tank	Standard
COMPACTOR	
Operation	Automatic
Style	Press
CAPACITIES	
Basket-cu. ft. (m ³)	
Standard	875 (24.7)
Optional	
Mid extension	1025 (29.0)
Tall extension	1150 (32.5)
Fuel tank-gal. (L)	90 (340.6)
Water tank-gal. (L)	260 (984)
DIMENSIONS	
Overall length-ft. (m)	25' (7.62)
Width-ft. (m)	13'1" (3.99)
Height	
Standard basket-ft. (m)	13'10" (4.21)
Mid extension-ft. (m)	15' (4.57)
Tall extension-ft. (m)	15'10" (4.88)
Transport-ft. (m)	12'6" (3.81)
Unloading Height-ft. (m)	9'6"-12' (2.90-3.66)
Wheelbase-in. (mm)	124.3 (3157)
Weight-lbs. (kg)	29,920 (13,571)
OPTIONAL EQUIPMENT	
20.8-38 (14 PR) R1 tires	
20.8-38 (14 PR) R2 tires	
(Includes mud shields and scrapers)	
Air conditioning	
Basket extension 1025 cu. ft. (29.0 m ³)	
Basket extension 1150 cu. ft. (32.5 m ³)	
Plant lifter extensions	
Ether start	
Mud shields and scrapers	
Skip row attachment	