

# COTTON EXPRESS® COTTON PICKER Specifications



## Models Cotton Express 420 & Cotton Express 620

MODEL	Cotton Express 420	Cotton Express 620
<b>ENGINE</b>		
Horsepower	260 hp (193.8 kW)	340 hp (253.5 kW)
Displacement	505 cu. in. (8.3 L)	505 cu. in. (8.3 L)
Number of cylinders	6	6
Aspiration	Turbocharged/aftercooled	Turbocharged/aftercooled
Air filter	Dual-stage, dry type w/service indicator	Dual-stage, dry type w/service indicator
Alternator	135 amps	185 amps
Batteries	2 – 700 CCA 12 volt	2 – 950 CCA 12 volt
Fuel Capacity	150 U.S. gal. (568 L)	200 U.S. gal. (757 L)
<b>TRANSMISSION</b>		
Input	Hydrostatic	Hydrostatic
Ground speeds	1st Gear (Pick) – 0 to 4.0 mph (0-6.3 kph), 2nd Gear (Scrap) – 0 to 4.8 mph (0-7.7 kph), 3rd Gear (Transport) – 0 to 18.5 mph (0-29.6 kph)	1st Gear (Pick) – 0 to 4.0 mph (0-6.3 kph), 2nd Gear (Scrap) – 0 to 4.8 mph (0-7.7 kph), 3rd Gear (Transport) – 0 to 15.0 mph (0-24.1 kph)
Final drives	Heavy-duty, dual wheel capable	Super heavy-duty, dual wheel capable
Hydraulic power disc brake	Dual pedal	Dual pedal
Parking brake	Electrically controlled, mechanically applied	Electrically controlled, mechanically applied
<b>PICKING DRUM</b>		
Number of rows/spacing	4-row wide/36, 38, or 40 in. (914, 965, or 1016 mm) 5-row narrow/30, 32 or 34 in. (762, 812 or 864 mm)	6-row narrow/30, 32 or 34 in. (762, 812 or 864 mm) 6-row wide/36, 38, or 40 in. (914, 965, or 1016 mm)
Drive system	All gear drive — fully synchronized 0-4.0 mph (0-6.3 kph)	All gear drive — fully synchronized 0-4.0 mph (0-6.3 kph)
Rotor protection	Forward/reverse	Forward/reverse
Bars per row (front/rear)	12/12	12/12
Pick orientation	Front/rear rotors pick from both sides of the plant	Front/rear rotors pick from both sides of the plant
Spindles per bar/Spindle diameter	18/0.5 in. (12.7 mm)	18/0.5 in. (12.7 mm)
Barbs per spindle	3 rows of 14 per row	3 rows of 14 per row
Doffer type/material	Flexible Dura-Clean/non-contaminating neoprene or optional non-contaminating urethane	Flexible Dura-Clean/non-contaminating neoprene or optional non-contaminating urethane
Height control – 4-row/5-row	Automatic sensing – two outer drums/rows 1, 2, 4 and 5	Automatic sensing on row 1, 3, 4, and 6
Skid shoes	Hard-surface drum lifter	Hard-surface drum lifter
Drum lift	Master and separate left- and right-hand	Master and separate left- and right-hand
Automatic Lincoln® Drum & Chassis Lubrication	Lubricates all daily fittings, on-board, 3 gal. (11.4 L) reservoir	Lubricates all daily fittings, on-board, 3 gal. (11.4 L) reservoir
Bar lubrication	On-board, 60 gal. (227 L) reservoir	On-board, 80 gal. (302 L) reservoir
Bar lubrication activation	In-cab monitor, automatic counter w/reminder	In-cab monitor, automatic counter w/reminder

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<b>COTTON CONVEYING</b>		
Type	Induced air flow, two outlets and air sources per row	Induced air flow, two outlets and air sources per row
<b>MOISTENER SYSTEM</b>		
Type	In-cab pressure adjustment and display with flush feature	In-cab pressure adjustment and display with flush feature
Water tank — material/capacity	Polyethylene/365 gal. (1380 L)	Polyethylene/365 gal. (1380 L)
Pad type	Individually replaceable, oil-resistant urethane on quick service column	Individually replaceable, oil-resistant urethane on quick service column
<b>BASKET</b>		
Standard capacity	8,500 lb. (3856 kg) or 1150 cu. ft. (32.5 m <sup>3</sup> )	10,500 lb. (4762 kg) or 1400 cu. ft. (39.64 m <sup>3</sup> )
Type	Vertical lift w/power-metered unloading	Vertical lift w/power-metered unloading
Lid	Telescoping basket	Telescoping basket
Compactor	Press-type w/integral augers	Press-type w/integral augers
Compactor activation	Automatic or manual with basket full indicator	Automatic or manual with basket full indicator
Unloading height range	Up to 12 ft. (3.66 m)	Up to 12 ft. (3.66 m)
<b>TIRES</b>		
Drive tires	500/95-32(R1.5) singles or duals	500/95-32(R1.5) duals
Steering tires	14.9-24 8PR(R2 or R4) Power Guide Axle or Steering Axle	480/70R28(R1.5) or 16.9-28 8PR(R4) Power Guide Axle
<b>DIMENSIONS</b>		
Overall length	27 ft. 2 in. (8.28 m)	29 ft. 11.5 in. (9.13 m)
Operating width	14 ft. 4 in. (4.37 m)	19 ft. 4 in. (5.89 m)
Operating height	16 ft. 1 in. (4.90 m)	16 ft. 1 in. (4.90 m)
Transport height	12 ft. 9 in. (3.87 m)	12 ft. 9 in. (3.87 m)
Drive axle wheel tread	5-row narrow: 90 in. (2.28 m); 4-row wide: 80 in. (2.03 m)	6-row narrow: 89 in. (2.25 m); 6-row wide: 82 in. (2.09 m)
Approximate dry weight	4-row: 34,950 lb. (15 853 kg); 5-row: 37,100 lb. (16 828 kg)	6-row; 44,600 lb. (20 230 kg)

NOTE: All specifications are stated in accordance with SAE Standards or Recommended Practices, where applicable.

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**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.