

90-100-110 (T3)

CX




McCORMICK



CX (T3), great performance for unlimited versatility

Designed to meet all requirements of modern agriculture, the McCORMICK CX (T3) is synonymous with “versatility”. Whatever the task, the CX has got what it takes to handle the job. For grassland work, row crop or loader operations, the CX takes it all in its stride.



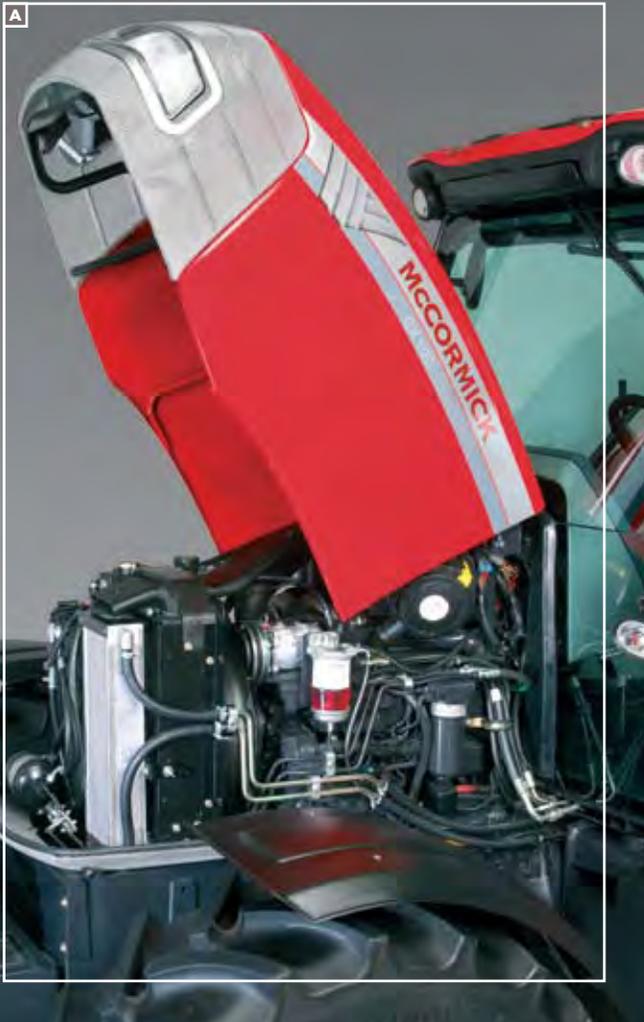
The CX range is equipped with the new TIER-3 compliant *Perkins* 1104D series turbo engines. With powers of up to 102 hp, the new engines provide exceptional power and torque levels. The CX tractors come in two versions: *Synchro Shuttle* and *Xtrashift*. The *Synchro Shuttle* model features a mechanical transmission that provides the operator with eight forward and eight reverse speeds, or 16x 8 when fitted with the two speed powershift.

The *Xtrashift* model features an electronically-controlled transmission with three-speed powershift, power shuttle and optional creep transmission giving the operator a total of 36 forward and 36 reverse speeds. The front axle with 55-degree steering angle features an electrohydraulically-

engaged four-wheel drive and differential lock with pushbutton control. The PTO with electrohydraulic engagement offers a choice of two speeds, 540/750 or 540/1000 rpm, for maximum versatility.

The tractor is equipped, as standard, with an electronic cat. 2 hitch, that provides a lift capacity of 8,520 lbs., and up to three rear remote valves. The new four-post cab offers a stylish, ergonomic design and provides the operator with a full array of easy-to-read instruments.

So, while the CX gets on with the job, you take control in total comfort with class leading luxury and panoramic vision from your new *Deluxe* cab.



ENGINE

The new-generation *Perkins* 4-cylinder engines deliver 83, 92.5 and 102 hp (ISO rating), respectively. Designed to meet the TIER 3 emission standards, the new 1104D series engines are all turbocharged, while the 100 and 110 models are also equipped with aftercooler to ensure higher torque backup, improved fuel economy and low noise.

The rear tilting hood provides easy access to the engine for routine service and maintenance (*fig. A*).

FRONT AXLE

The rugged four-wheel drive front axle with electrohydraulic engagement is designed to give an excellent ground clearance, a 55-degree steering angle and a high load capacity (*fig. B*).

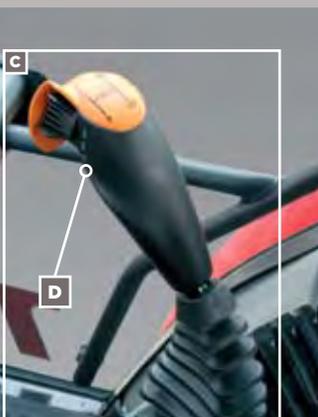
FRONT HITCH

Designed with versatility in mind, the CX can be optionally equipped with a Cat. 2 front hitch and PTO that provide a lift capacity of 6,613.9 lbs., making this tractor ideal for the use of combined implements, such as mowers.

The front PTO with electrohydraulic engagement via pushbutton delivers a speed of 1000 rpm.

TRANSMISSION

The CX (T3) *XtraShift* features a new transmission that provides the operator with four gears, three powershift speeds within each gear and two ranges. A thumb switch incorporated into the gear lever (*fig. C*) provides fingertip ease when selecting powershift speeds. The power shuttle enables the operator to shift effortlessly from forward to reverse, through 24 forward and 24 reverse speeds. A creep transmission with 36 speeds in both directions is also available as an option. The neutral position on the power shuttle dispenses with the conventional clutch and the associated service costs, allowing convenient stopping during loader and baling operations. The *de-clutch* button (D), located on the front face of the gear lever (*fig. C*), and the *power shuttle* (*fig. D*), mounted on the left side of the steering wheel, allow the operator to change gear and shift from forward to reverse without having to depress the clutch pedal.



DASHBOARD

The CX features a full array of digital instruments for simple and fast reading, providing the operator with real-time information for efficient operation and routine maintenance (*fig. E*).

HYDRAULICS

The hydraulic system is operated by a double pump providing a flow rate of 7.9 gal/min to the steering system and 15.8 gal/min to the rear hitch and remote valves for a total flow rate of 23.7 gal/min.

The electronically-controlled hitch, with controls conveniently located in ergonomic position on the console to the right of the driver's seat (*fig. F*), allows for easy operation and fingertip control of the implements, dedicated controls set upper limit height, lowering speed and draft sensitivity to optimize performance.

Equipped with Cat. 2 three-point linkage (*fig. H*), the hitch provides a lift capacity of 8,542 lbs.

The system features up to three remote valves with lever controls located on the console to the driver's right (*fig. G*).

POWER TAKE-OFF

The 1¹/₃ PTO provides two speeds: 540/750 rpm or 540/1000 rpm.

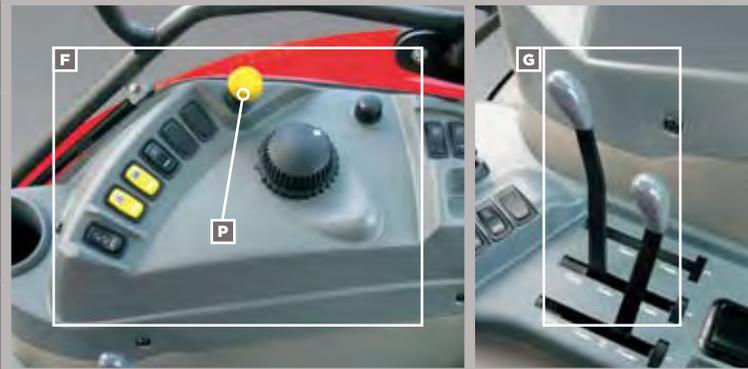
The clutch, hydraulically operated via the pushbutton P, enables smooth and progressive engagement of the PTO, preventing abrupt starting of the shaft for improved comfort (*fig. F*).

CAB

The four-post cab with large, rear-hinged doors provides total all-round visibility and allows the operator to enter and exit with ease. Stylish interior, design, ergonomically arranged controls and excellent sound-proofing maximise the operator comfort.

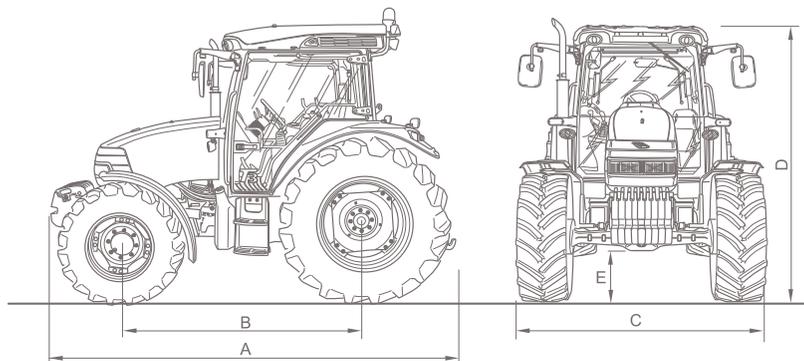
A opening roof window makes front loader operations easier.

Equipped with pneumatic suspension seat, adjustable steering wheel and an efficient air-conditioning system fitted in the roof, the cab creates the ideal environment for long hours in the field (*fig. I*). Eight powerful halogen lamps provide greater visibility during night work.



		CX 90 (T3)	CX 100 (T3)	CX 110 (T3)
ENGINE				
PERKINS TIER 3 DIRECT-INJECTION		1104D-44T	1104D-44TA	1104D-44TA
MAX. ENGINE POWER (ISO RATING)	HP/KW	83 / 61	92,5 / 68	102 / 75
MAXIMUM GROSS TORQUE	FT/LB (RPM)	254 (345)	283 (384)	304 (412)
TORQUE BACKUP		31%	30,5%	27,5%
NR. CYLINDERS / DISPLACEMENT (CM ³)		4 / 4400	4 / 4400	4 / 4400
FUEL TANK CAPACITY	GAL (LITRES)	40.9 (155)	40.9 (155)	40.9 (155)
XTRASHIFT TRANSMISSION WITH 3 POWERSHIFT SPEEDS/ POWER SHUTTLE				
CLUTCH TYPE		●	●	●
XTRASHIFT + POWER SHUTTLE 24FWD+24REV (40KM/H)		●	●	●
XTRASHIFT + POWER SHUTTLE + CREEPER 36FWD+36REV		○	○	○
TRANSMISSION WITH SYNCHRO SHUTTLE				
CLUTCH TYPE		●	●	●
BASE TRANSMISSION		○	○	○
BASE TRANSMISSION + 2 POWERSHIFT SPEEDS16FWD+8REV		●	●	●
POWER TAKE-OFF				
HYDRAULICALLY-ENGAGED, WET MULTI-DISC PTO		●	●	●
2 SPEEDS: 540/750 RPM		○	○	○
2 SPEEDS: 540/1000 RPM		○	○	○
NET PTO POWER (ISO RATING)	HP/KW	66 / 48,5*	75 / 55*	85 / 62,5*
FRONT 4WD AXLE				
ELECTROHYDRAULIC 4WD ENGAGEMENT		●	●	●
MAX. STEERING ANGLE		55°	55°	55°
ELECTROHYDRAULIC DIFF-LOCK		●	●	●
BRAKES				
REAR WET BRAKES WITH 4 DISCS		●	●	●
AUTOMATIC 4 WD ENGAGEMENT ON BRAKING		●	●	●
HYDRAULIC POWER LIFT				
ELECTRONICALLY OPERATED		●	●	●
MAX. LIFT CAPACITY WITH ONE ASSISTOR RAM	LBS (KG)	6519 (2957 ○)	7054 (3200 ○)	7054 (3200 ○)
LIFT CAPACITY WITH TWIN ASSISTOR RAMS	LBS (KG)	9038 (4100 ○)	9810 (4450 ○)	9810 (4450 ○)
PUMP FLOW L/MIN		60 + 30	60 + 30	60 + 30
CAT 2 THREE-POINT HITCH		●	●	●
STD AUXILIARY VALVES		2	2	2
FRONT LIFT AND PTO		○	○	○
CAB AND DRIVING POSITION				
"DELUXE" CAB / RADIO READY		●	●	●
"DELUXE" LOW-PROFILE CAB		○	○	○
AIR-CONDITIONING		○	○	○
AIR SUSPENSION SEAT		○	○	○
DIMENSIONS AND WEIGHTS				
FRONT TYRES		320/85R24	320/85R24	320/85R24
REAR TYRES		420/85R34	420/85R34	420/85R34
A - LENGTH	IN (MM)	166.4 (4229)	170.2 (4325)	170.2 (4325)
B - WHEELBASE 4WD	IN (MM)	92.7 (2356)	96.5 (2452)	96.5 (2452)
C - WIDTH WITH LARGE/NARROW MUDGUARDS	IN (MM)	92.3/77.3 (2346/1964)	92.3/77.3 (2346/1964)	92.3/77.3 (2346/1964)
D - HEIGHT OVER LOW-PROFILE CAB	IN (MM)	100.0 (2540)	100.0 (2540)	100.0 (2540)
D - HEIGHT OVER DELUXE CAB	IN (MM)	107.8 (2740)	107.8 (2740)	107.8 (2740)
E - GROUND CLEARANCE	IN (MM)	16.5 (420)	16.5 (420)	16.5 (420)
WEIGHT WITH LOW-PROFILE CAB 4WD	LBS (KG)	8311.4 (3770)	9193.3 (4170)	9193.3 (4170)
WEIGHT WITH DELUXE CAB 4WD	LBS (KG)	8465.7 (3840)	9347.6 (4240)	9347.6 (4240)

Key: ● standard ○ option — not available *Manufacturer's estimate



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