

McCormick CX Series with XtraShift 73 – 102 engine hp



The name says it all

An excellent heritage



The McCormick brand is a true classic in the manufacture of agricultural machinery and equipment. From the world's first practical reaper in 1831 through the long and distinguished line of tractors that followed, the

McCormick name has always stood for quality, craftsmanship, and innovative design. Now the name that pioneered a transformation in agricultural efficiency is reborn.

A wealth of experience

Manufacturing is based at two plants that have long and distinguished track records of tractor and transmission production. Highly skilled and experienced, the award-winning workforce has worked in harmony for many years. Who better to breathe new life into the McCormick legend?

A commitment to quality

The McCormick tractors of the 21st century remain true to the values and principles that made McCormick a world-beater for so many years. Our strict compliance with some of the most demanding manufacturing standards in the industry is your assurance of quality, and represents our total commitment to achieving ever-increasing productivity levels for our customers.

Renowned reliability

McCormick users from yesteryear still happily relate stories of their tractors' unrivaled reliability and appetite for work. While the new generation of machines bear little technological resemblance to their predecessors, they are every bit as dependable — and more so. Every single working part is designed to last, even in the most punishing environments. Hour after hour, day after day, out in the field or in the yard, a McCormick tractor won't let you down.



CX SERIES KEY FEATURES

The CX XtraShift features a 3-speed powershift power shuttle transmission that enables operators to shift effortlessly from forward to reverse, through 24 forward and 24 reverse speeds. The neutral feature on this transmission dispenses with the conventional clutch and associated service costs.



The 3-speed powershift / power shuttle (with neutral) transmission ensures outstanding cycle times.



Range and speed gear levers, including the powershift switch, are mounted on the right-hand console for maximum control and easy shifting.



Shuttle and powershift clutch cooling and lubrication systems prolong the working life of the CX XtraShift.





ADDITIONAL FEATURES

State-of-the-art engine technology. Four powerful high-torque, lean-burn engines have been specifically tailored for the CX range. Both naturally aspirated and turbocharged versions deliver power and performance.

The deluxe cab with spacious, ergonomically designed interior offers maximum operator comfort and control. With a noise level of only 73 dB(A), the cab's luxury interior creates the ideal environment for long hours in the field.

"A" post exhaust and fully tilting engine hood give instant access to the air filter, engine, and radiator for easier maintenance and service checks.

Rugged 4-wheel drive front axle is designed for excellent ground clearance, tight turning circles, and high load capacity. Two-wheel drive option available on most models.

Electronic sensing provides superior control to the powerful rear 3-point hitch. 15.8 gallons of uninterrupted hydraulic oil flow is available directly to the remote valves, for maximum productivity of implements.

For easy access and maximum operator safety, non-slip steps provide sure footing to wide-opening doors and a flat deck cab.

A 41-gallon fuel tank is designed for faster, splash-free filling and more hours in the field.

An optional synchromesh shuttle transmission may be fitted with a number of options, including creep speed and 2-speed powershift in 19 mph and 25 mph versions, with up to 24 forward and 12 reverse speeds. The forward/reverse shuttle lever is mounted on the left side of the steering wheel to give additional operator comfort.



Superb all-round vision.



Outstanding daily and routine service access.



Conveniently located controls ensure precise operation.



Synchromesh shuttle transmission with creep speed option for outstanding performance in the field.

THE CX SERIES

73, 84, 90, and 102 engine hp models.

If there's one word that sums up the CX tractor, it has to be "versatility." Whatever the task, the CX has what it takes to handle the job. For grassland work, row crop, or loader operations, the CX takes it all in its stride.

A small turning circle allows you to work in the tightest of spaces. A rugged four-wheel drive system: lean-burn, high torque 4-cylinder diesel engines, and a new 3-speed powershift / power shuttle transmission with optional creep speed, all combine to maximize productivity on virtually any terrain. And that's not all. While the CX gets on with the job, you take control in total comfort with class-leading luxury and panoramic vision from your choice of deluxe cab or ROPS.

APPLICATIONS



Cereals

The CX takes cultivation and crop care in its stride. Its versatility and unrivaled visibility provide precise control, and the optional front hitch and PTO are ideal for dual operations.



Row Crop

A flexible transmission with creeper option delivers the right speed for all operations, from planting to harvesting.



Transportation and Material Handling

Excellent speed ranges and shuttle transmission coupled with powerful wet disc brakes provide versatility, speed, and safety.



Dairy and Livestock

Highly maneuverable, with fast, powerful hydraulics that are ideal for loaders and hay operations.

TECHNICAL DATA

	CX75	CX85	CX95	CX105																						
ENGINE																										
Maximum engine power at rated speed, hp (kW)	73 (54)	84 (62)	90 (66)	102 (75)																						
Maximum PTO power at rated speed, hp (kW)	60 (45)	67 (50)	74 (55)	83 (62)																						
Rated speed, rpm	2200	2200	2200	2200																						
Type	4 Cylinder	4 Cylinder turbo	4 Cyl. Wastegate turbo	4 Cyl. Wastegate turbo																						
Displacement, cu in (L)	268 (4.4)	268 (4.4)	268 (4.4)	268 (4.4)																						
Bore x stroke, in (mm)	4.1 x 5 (105 x 127)	4.1 x 5 (105 x 127)	4.1 x 5 (105 x 127)	4.1 x 5 (105 x 127)																						
Constant power range	N/A	1800-2200	2000-2200	1900-2200																						
Maximum torque, ft-lb (Nm)	217 (294)	255 (345)	286 (387)	306 (415)																						
Torque rise, %	25	32	33	29																						
Optimal fuel consumption, lb/hp/hr	0.347 (214)	0.350 (217)	0.348 (215)	0.345 (210)																						
TRANSMISSION OPTION																										
Synchro Shuttle																										
Clutch type/diameter	Single dry diaphragm/11.96 in (304 mm)																									
8 + 8 Synchro shuttle	Optional	Optional	Optional	Optional																						
16 + 8 Powershift	Standard (2 speed)	Standard (2 speed)	Standard (2 speed)	Standard (2 speed)																						
24 + 12 Creep speed	Optional	Optional	Optional	Optional																						
25 mph (40 kph) transmission	-	-	Standard	Standard																						
XtraShift/Power Shuttle																										
Clutch type	Wet clutch																									
24 + 24 Powershift (25 mph, 40 kph)	Standard (3 speed)	Standard (3 speed)	Standard (3 speed)	Standard (3 speed)																						
36 + 36 Creep speed	Optional	Optional	Optional	Optional																						
POWER TAKEOFF																										
Clutch type	Hydraulically actuated, independent multi-plate wet clutch																									
Number of shafts/splines	2/6 & 21	2/6 & 21	2/6 & 21	2/6 & 21																						
PTO speeds, rpm	540/1000	540/1000	540/1000	540/1000																						
Engine rpm at PTO speed	2000/2000	2000/2000	2000/2000	2000/2000																						
STEERING AND 4-WHEEL DRIVE																										
Steering type	Hydrostatic																									
MFD engagement	Electro-hydraulic																									
Steering angle, degrees	55	55	55	55																						
Turning radius 2WD/4WD, ft (m)	14.4/14.7 (4.4/4.48)	14.4/14.7 (4.4/4.48)	14.4/14.7 (4.4/4.48)	14.4/14.7 (4.4/4.48)																						
HYDRAULIC SYSTEM																										
System type	Open center																									
Hydraulic pump output, gpm (L/min)	15.7 (60)	15.7 (60)	15.7 (60)	15.7 (60)																						
Control type	EHR	EHR	EHR	EHR																						
Maximum lift capacity, lb (kg)	4497 (2040)	4497 (2040)	4497 (2040)	4497 (2040)																						
Lift at link ends, horizontal, lb (kg)	4347 (1972)	4347 (1972)	4347 (1972)	4347 (1972)																						
With single assistor ram, lb (kg)	6425 (2914)	6425 (2914)	6425 (2914)	6425 (2914)																						
With twin assistor rams, lb (kg)	8414 (3816)	8414 (3816)	8414 (3816)	8414 (3816)																						
CAPACITIES																										
Fuel tank, gal (L)	41 (155)	41 (155)	41 (155)	41 (155)																						
Transmission/hydraulics, gal (L)	9.8/4WD (34.5/2WD 37.0/4WD)																									
Alternator, Amps	65	65	65	65																						
WEIGHTS, DIMENSIONS AND TIRES																										
Weight with standard equipment: 2WD, ROPS, lb (kg)	7109 (3225)	7120 (3230)	7120 (3230)	7120 (3230)																						
Weight with standard equipment: 2WD, Cab, lb (kg)	7386 (3350)	7397 (3355)	7397 (3355)	7397 (3355)																						
Weight with standard equipment: 4WD, ROPS, lb (kg)	8014 (3640)	8025 (3640)	8025 (3640)	8025 (3640)																						
Weight with standard equipment: 4WD, Cab, lb (kg)	8289 (3760)	8300 (3765)	8300 (3765)	8300 (3765)																						
Weight distribution front/rear 2WD, %	33/67	33/67	33/67	33/67																						
Weight distribution front/rear 4WD, %	40/60	40/60	40/60	40/60																						
Wheelbase 2WD/4WD, in (mm)	93.4/92.8 (2371/2356)	93.4/92.8 (2371/2356)	93.4/92.8 (2371/2356)	93.4/92.8 (2371/2356)																						
Overall length, in (mm)	166 (4209)	166 (4209)	166 (4209)	166 (4209)																						
Overall width, in (mm)	84.5 (2147) wide fenders																									
Minimum height (add tire radius), in (mm)																										
Center rear axle-top of ROPS (up)	79 (1997)	79 (1997)	79 (1997)	79 (1997)																						
Center rear axle-top foldable ROPS (down)	57 (1440)	57 (1440)	57 (1440)	57 (1440)																						
Center rear axle-top DL cab	78 (1971)	78 (1971)	78 (1971)	78 (1971)																						
Tires 2WD front	10.00/16	10.00/16	11.00/16	11.00/16																						
Tires 4WD front	12.4/24	12.4/24	13.6/24	13.6/24																						
Tires rear	16.9/34	16.9/34	18.4/34	18.4/34																						
SYNCHROMESH TRANSMISSION																										
CX75, CX85, CX95, CX105	Gear	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
with 19 mph trans. (18.4/30 Tire)	Forward	1.6	2.6	3.51	5.04	5.99	9.74	13.16	18.9																	
Non-creep travel speeds in mph*	Reverse	1.55	2.53	3.42	4.91	5.83	9.48	12.82	18.41																	
CX75, CX85, CX95, CX105	Gear	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
with 19 mph trans. (16.9/34 Tire)	Forward	1.17	1.41	2.06	2.48	3.32	4.01	4.27	5.16	4.37	5.28	7.71	9.29	12.47	15.04	16.04	19.35									
Non-creep travel speeds in mph*	Reverse	2.07	3.64	5.89	7.58	7.76	8.49	13.73	17.66																	
CX75, CX85, CX95, CX105	Gear	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
with 19 mph trans. (16.9/34 Tire)	Forward	0.19	0.22	0.33	0.4	0.53	0.64	0.68	0.83	1.17	1.41	2.06	2.48	3.32	4.01	4.27	5.16	4.37	5.28	7.71	9.29	12.47	15.04	16.04	19.35	
Creep travel speeds in mph*	Reverse	0.21	0.36	0.58	0.75	2.07	3.64	5.89	7.58	7.76	8.49	13.73	17.66													
CX75, CX85, CX95, CX105	Gear	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
with 25 mph trans. (18.4/34 Tire)	Forward	1.32	1.59	2.32	2.8	3.44	4.14	5.39	6.5	4.94	5.96	8.7	10.49	12.89	15.55	20.21	24.37									
Non-creep travel speeds in mph*	Reverse	1.44	2.53	3.75	5.88	5.39	9.49	14.06	22.05																	
CX75, CX85, CX95, CX105	Gear	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
with 25 mph trans. (18.4/34 Tire)	Forward	0.21	0.26	0.37	0.45	0.55	0.66	0.86	1.04	1.32	1.59	2.32	2.8	3.44	4.14	5.39	6.5	4.94	5.96	8.7	10.49	12.89	15.55	20.21	24.37	
Creep travel speeds in mph*	Reverse	0.23	0.4	0.6	0.94	1.44	2.53	3.75	5.88	5.39	9.49	14.06	22.05													
XTRASHIFT - POWERSHIFT POWER SHUTTLE TRANSMISSION																										
CX75, CX85, CX95, CX105	Gear	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
with 19 mph/25 mph trans.**	Forward	1.32	1.62	1.91	2.05	2.52	2.98	3.07	3.79	4.46	4.52	5.57	6.57	4.94	6.08	7.18	7.68	9.46	11.15	11.51	14.17	16.71	16.97	20.9	24.64	
Non-creep travel speeds in mph*	Reverse	1.31	1.62	1.91	2.04	2.51	2.96	3.06	3.77	4.44	4.51	5.55	6.54	4.92	6.06	7.15	7.65	9.42	11.11	11.46	14.17	16.65	16.9	20.81	24.54	
CX75, CX85, CX95, CX105	Gear	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
with 19 mph/25 mph trans.**	Forward	0.21	0.25	0.3	0.32	0.39	0.46	0.48	0.59	0.7	0.7	0.86	1.02	1.32	1.62	1.91	2.05	2.52	2.98	3.07	3.79	4.46	4.52	5.57	6.57	
Creep travel speeds in mph*	Reverse	0.21	0.25	0.3	0.32	0.39	0.46	0.48	0.59	0.7	0.7	0.86	1.02	1.31	1.62	1.91	2.04	2.51	2.96	3.06	3.77	4.44	4.51	5.55	6.54	
	Gear	25	26	27	28	29	30	31	32	33	34	35	36													
	Forward	4.94	6.08	7.18	7.68	9.46	11.15	11.51	14.17	16.71	16.97	20.9	24.64													
	Reverse	4.92	6.06	7.15	7.65	9.42	11.11	11.46	14.17	16.65	16.9	20.81	24.54													

* CX75, CX85, CX95, and CX105 travel speeds are at rated engine speed (2200 rpm).

** The 19 mph transmission is electronically governed to maintain 19 mph. Speeds are based on a 18.4/34 tire.

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