

# McCormick MTX Series

115 – 152 engine hp

**B-POWER**



The name says it all

**An excellent heritage and a wealth of experience**



The McCormick brand is a true classic in the manufacturing of agricultural machinery that epitomizes quality, craftsmanship, and innovative design.

Our commitment to quality ensures strict compliance with some of the most demanding manufacturing standards in the industry. It also reinforces our mission to achieve ever-increasing productivity levels for our customers.



## The MTX Series

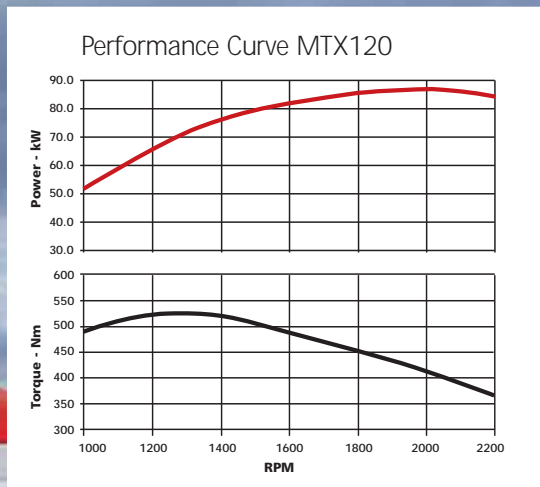
**115, 131, and 152 hp engines**

The MTX Series, featuring BetaPower models, offers the best in its horsepower class for comfort, economy, reliability, and durability.

With powerful, environmentally friendly engines, a user-friendly power shift, power shuttle transmission, and highly efficient hydraulics and PTO, the operator has a superior package to perform effectively in the field. And with a luxury cab providing outstanding visibility and ergonomically positioned controls, total comfort is guaranteed for those long working days.

As the day draws on and darkness descends, a powerful lighting package will provide the operator with superior vision to complete the task at hand.





### Electronic Hitch Control

The electronic hitch includes ride control for enhanced ride quality. External fender controls make for safe and easy coupling of machines or implements. With up to 14,577 lb (6602 kg) lift capacity, the MTX easily handles all implements in this horsepower category.



### Superior Hydraulics

The pressure and flow-compensating piston pump guarantees hydraulic performance, delivering up to 28.8 gpm (109 L/min) of hydraulic flow. This fast and efficient system is suitable for all operations, and actively reduces cycle times.



### PTO Headland Management Control



The 540/1,000 rpm PTO features a dry change 6/21 spine shaft for total compatibility. The system incorporates automatic cutout and smooth, modulated engagement. An optional remote/auto PTO provides the operator with complete PTO headland management control.

### Optional Front Hitch

The optional front hitch and PTO make the tractor truly versatile for front- and rear-mounted implements.



### Power Shuttle

Fingertip direction control with left-hand-operated power shuttle with neutral.



### Sturdy Chassis

MTX engines are ISO-mounted on a cast-steel chassis to prolong engine durability and enhance driver comfort by reducing noise levels. This chassis also ensures tractor stability and provides an ideal structure for front linkages and loaders.



McCormick



The McCormick MTX models feature the BetaPower engine designed by McCormick. Specifically designed to McCormick specifications, this engine is based on Cummins engine technology.

The McCormick BetaPower engine has been specially manufactured with individual levels of specification that are ideally suited to the different demands of the various MTX horsepower categories.

The MTX120, MTX135, and MTX150 models utilize a mechanical fuel injection system that provides rated engine power (at 2,200 rpm) of 115, 131, and 152 hp (85, 96, and 112 kW) respectively.



Whichever MTX model you choose, you can be sure that the engine is fuel-efficient and economical, and conforms to current emission legislation. In addition, each MTX model is turbocharged and intercooled using an air-to-air system that maximizes power outputs.

With service intervals now extended to 500 hours on all MTX models, maintenance costs are kept to a minimum.



## TECHNICAL DATA

	MTX120	MTX135	MTX150
<b>ENGINE</b>			
Maximum engine power at rated speed, hp (kW)	115 (85)	131 (96)	152 (112)
Maximum PTO power at rated speed, hp (kW)	100 (74)	112 (83)	130 (96)
Rated speed, rpm	2,200	2,200	2,200
No. of cylinders/turbo/wastegate/intercooler	6/1	6/1	6/1
Displacement, cu in (L)	410 (6.7)	410 (6.7)	410 (6.7)
Bore/stroke, in (mm)	4.1/5.2 (104/132)	4.1/5.2 (104/132)	4.1/5.2 (104/132)
Constant power range, rpm	1,800 – 2,200	1,800 – 2,200	2,000 – 2,200
Maximum gross torque, ft-lb (Nm)	383 (520)	395 (535)	429 (582)
Engine rpm at maximum torque	1,400	1,400	1,400
PTO torque rise, %	53	32	26
Optimum fuel consumption, lb/hp/hr (g/kw/hr)	0.345 (210)	0.345 (210)	0.345 (210)
Oil change interval, hours	500	500	500
<b>TRANSMISSION</b>			
No. of speeds (fwd/rev)	16 + 12	16 + 12	16 + 12
No. of speeds with creeper	32 + 24	32 + 24	32 + 24
No. of ranges	4	4	4
No. of power shift speeds	4	4	4
Directional change		Power shuttle with neutral	
Oil change interval, hours	1,000	1,000	1,000
Type of diff. lock rear axle		Electro hydraulically engaged wet clutch	
AutoSpeed transmission	Optional	Optional	Optional
No. of speeds with AutoSpeed	16 + 13	16 + 13	16 + 13
<b>POWER TAKEOFF</b>			
Engagement type		Electro hydraulic	
Modulation		Automatic electronic	
Number of shafts/splines	1 (Reversible 6 & 21)	1 (Reversible 6 & 21)	1 (Reversible 6 & 21)
PTO speeds, rpm	540/1,000	540/1,000	540/1,000
Engine rpm at PTO speed (540 rpm/1000 rpm)	1,877/2,200	1,877/2,200	1,877/2,200
<b>4-WHEEL DRIVE</b>			
Manufacturer/type		Carraro (Standard or independent front suspension)	
Differential lock		Limited slip (Ball Type)	
Interaxle ratio		Rigid axle 1.32:1	Suspended axle 1.31:1
Caster angle	6°	6°	6°
Steering angle	55°	55°	55°
Minimum turning radius, ft (m)	15.3 (4.6)	15.3 (4.6)	15.3 (4.6)
<b>HYDRAULIC SYSTEM</b>			
System type		Closed center	
Pump type		Pressure flow compensating hydraulics	
Hydraulic pump output, gpm (L/min)	28.8 (109)	28.8 (109)	28.8 (109)
No. of remotes	3 (4 optional)	3 (4 optional)	3 (4 optional)
Type of sensing		Electronic lower link	
Maximum lift capacity, lb (kg)	12,945 (5,871)	12,945 (5,871)	14,577 (6,602)
Lift at link ends horizontal, lb (kg) – std/assist ram	11,234/14,577 (5,096/6,602)	11,234/14,577 (5,096/6,602)	13,137 (5,959)
Lift through full range at 24.4 in (610 mm), lb (kg) – std/assist ram	8,201/10,183 (3,720/4,619)	8,201/10,183 (3,720/4,619)	10,183 (4,619)
Category type	Cat IIIN	Cat IIIN	Cat IIIN
<b>CAPACITIES</b>			
Fuel tank capacity, gal (L)	70 (265)	70 (265)	70 (265)
Transmission/hydraulics, gal (L)	19.8 (75)	19.8 (75)	19.8 (75)
Oil take-out – std. fill/overflow, gal (L)	7.9/11 (30/42)	7.9/11 (30/42)	7.9/11 (30/42)
Alternator (amps)	120	120	120
<b>WEIGHTS, DIMENSIONS, AND TIRES</b>			
Minimum shipping weight, lb (kg)	11,907 (5,400)	12,017 (5,450)	12,127 (5,500)
Weight with standard equipment, lb (kg)	13,010 (5,900)	13,230 (6,000)	13,582 (6,160)
Weight distribution front/rear (no weights), %	40/60	40/60	40/60
Maximum front axle load, lb (kg)	13,450 (6,100)	13,450 (6,100)	13,450 (6,100)
Maximum rear axle load, lb (kg)	20,947 (9,500)	20,947 (9,500)	20,947 (9,500)
Wheelbase, in (mm)	107 (2,723)	107 (2,723)	107 (2,723)
Ground clearance under drawbar hitch support frame, in (mm)	14.5 (370)	14.5 (370)	14.5 (370)
Overall length (rear front weight), in (mm)	203 (5,160)	203 (5,160)	203 (5,160)
Overall width across rear fenders, in (mm)	91 (2,300)	91 (2,300)	91 (2,300)
Minimum height (add tire radius), in (mm)			
Center rear axle – top DL cab	83.1 (2,109)	83.1 (2,109)	83.1 (2,109)
Tires – Front (2WD)	11.00-16	11.00-16	11.00-16
Tires – Front (4WD)	14.9R28	14.9R28	14.9R30
Tires – Rear	18.4R38	18.4R38	18.4R42

MTX120-150 (4-Speed power shift) with 25 mph/40 km/h trans.	Gear	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Forward		1.7/2.8	2.1/3.3	2.5/4.1	3.2/5.1	3.2/5.2	3.9/6.2	4.8/7.7	5.9/9.5	6.4/10.3	7.7/12.4	9.6/15.4	11.8/19.0	12.5/20.1	15.0/24.2	18.6/29.9	23.0/37.0
Non-creeper travel speeds in mph/kph*	Reverse	2.0/3.2	2.4/3.8	3.0/4.8	3.7/5.9	3.7/6.0	4.5/7.2	5.5/8.9	6.8/11.0	7.5/12.0	9.0/14.4	11.1/17.8	13.7/22.0				

MTX120-150 (4-Speed power shift) with 25 mph/40 km/h trans.	Gear	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Forward		0.25/0.40	0.30/0.49	0.37/0.60	0.46/0.74	0.47/0.76	0.57/0.91	0.70/1.13	0.87/1.40	0.94/1.51	1.13/1.82	1.42/2.25	1.73/2.79	1.83/2.94	2.2/3.54	2.72/4.38	3.37/5.43
Creeper travel speeds in mph/kph*	Reverse	0.29/0.47	0.35/0.56	0.44/0.70	0.53/0.86	0.55/0.88	0.66/1.06	0.81/1.31	1.01/1.62	1.09/1.75	1.31/2.11	1.63/2.61	2.01/3.23				

\*MTX120-150 travel speeds are at rated engine speed (2,200 rpm) and on 18.4R38 rear tires.

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