

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.



Total Control in Total Comfort



All MTX models now feature an optional “hydro pneumatic” cab suspension system to complement the independent front suspension. This system, which responds automatically to different driver weights, maintains a constant ride height. The hydraulic cylinders incorporate unique dampers and are connected to an accumulator to provide optimum ride characteristics. A Panhard rod prevents the cab from swaying as it absorbs bumps.

Operator comfort is also enhanced by the new optional climate control system, which maintains a constant in-cab temperature, whatever the weather outdoors.

An optional digital display keeps the operator informed of the gear selected, along with other transmission functions.



Front Axle Choice

The MTX Series offers three different front axle choices to meet the needs of any job. With a choice of 2WD, MFD (4WD), or MFD (Independent Front Suspension), the MTX Series provides operators maximum comfort and versatility.



2WD Front Axle



4WD Front Axle



Independent Front Suspension

Transmission Options



4-Speed Power Shift



AutoSpeed

A four-speed semi-power-shift transmission is standard and gives on-the-go speed changes using a thumb-switch mounted in the range lever. An additional soft shift function offers smooth shifting on the road.

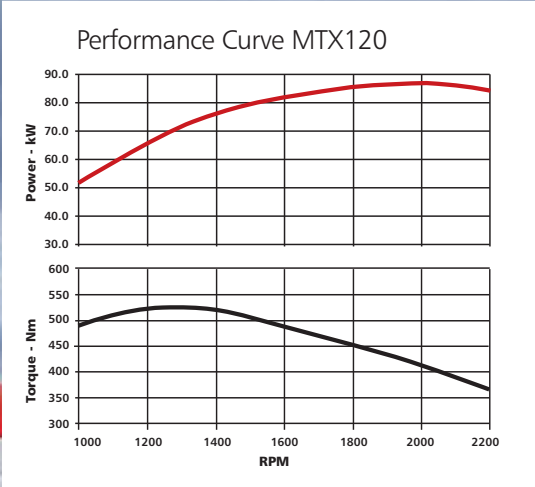
The optional AutoSpeed transmission further improves operator efficiency by allowing the driver to shift through the power shift speeds and ranges with the push of a button. AutoSpeed also features skip shift, speed matching, and the ability to choose the start-off speed and shuttle gear selection.



The MTX Series

B-POWER

**It takes on
tough jobs –
comfortably**



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
ENGINE			
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	6T1	6T1	6T1
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
TRANSMISSION			
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
POWER TAKEOFF			
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
4-WHEEL DRIVE			
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)
HYDRAULIC SYSTEM			
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
CAPACITIES			
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/overfill, gal (L)	7.9/11 (30/42)	7.9/11 (30/42)	7.9/11 (30/42)
Alternator (amps)	120	120	120
WEIGHTS, DIMENSIONS, AND TIRES			
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-creep 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
Creep 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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