

# McCormick MC Series

90-132 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 doing it again.

### 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 successful 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.





## ADDITIONAL FEATURES

**Powerful:** New generation, electronically controlled, 4- or 6-cylinder Perkins engines. These 4.4L and 6.0L engines deliver optimum power to match your working conditions, excellent torque backup and exceptional fuel economy. Compliant with Tier II and Stage 2 emission regulations and feature an industry-leading extended service interval, reducing the overall operating cost of the tractor.

**Convenience:** New high-capacity fuel tank can be conveniently filled from the ground level. Daily and routine servicing is enhanced by the fully tilting hood, which provides easy access to all moving parts.

**Flexible:** Transmission options include the standard 4-speed power shift or the all new AutoSpeed semi-power shift, which allows power shift and range changes simply at the touch of a button. Operated by the Multi-Function Controller, this system also incorporates the main hitch raise/lower functions for quick operation in the field. Creeper transmission is also available.

**Responsive:** Power shuttle is within easy reach, just left of the steering column. The MC Series boasts fingertip control and electronic modulation of dedicated forward and reverse clutch packs, ensuring smooth, reliable operation. This is particularly helpful when working with front loaders or frequent directional change applications.

**Performing:** The load-sensing, pressure flow compensating (PFC) hydraulic pump guarantees the availability of 25 gallons of oil at the remote valves. External hitch fender controls and a ride control feature mean smooth transportation and safe, easy coupling of implements.

**Versatile:** 540/1000 rpm PTO features a 6/21 spline reversible shaft for complete compatibility. The system incorporates automatic overload protection and smooth engagement. Optional factory-fitted front hitch and PTO provide superior versatility.

**Maneuverable:** Rugged front axles give maximum traction while the optional independent front suspension enhances comfort and performance during driving and working operations. The MC Series' compact design allows tight-turning circles during both field and transport applications.

**Comfortable:** The MC Series not only offers one of the quietest working environments in the industry, but it guarantees operator comfort with a standard deluxe air suspension seat, air conditioning, optional dual readout digital instrumentation, and more.



A 4-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.



A choice of an analog or digital instrument panel keeps the operator fully informed during operation.



Left-hand-operated power shuttle with neutral.





# THE MC SERIES

90, 102, 115 and 132 engine hp models.

If you want a combination of power, speed, and agility in a tractor, then MC Series has it all. With a choice of a 4-cylinder or 6-cylinder Perkins diesel engine, the MC Series can take on any job from medium-duty field work to livestock duties to putting up hay.

An exceptionally smooth 4-speed power shift transmission and wet clutch power shuttle, and a tight-turning radius make the MC the choice for all operations.

The MC120 Power6 and MC135 Power6 are powered by a 6-cylinder electronically controlled Perkins engine and offer users a high power-to-weight ratio.

The MC Series also offers the innovative and optional AutoSpeed transmission, independent front-suspension and advanced headland management system, making them extremely versatile and year-round tractors.

## APPLICATIONS



### Cereals

The MC Series 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

	MC95	MC105	MC115	MC120 Power6	MC135 Power6												
<b>ENGINE</b>																	
Maximum engine power at rated speed, hp (kW)	90 (65.8)	102 (75.4)	115 (85)	115 (85)	132 (97)												
Maximum PTO power at rated speed, hp (kW)	74 (55)	83 (62)	96 (72)	98 (73)	113 (84)												
Rated speed, rpm	2200	2200	2200	2200	2200												
No. of cylinders/turbo/wastegate/intercooler	4TW	4TW	4TWI	6TWI	6TWI												
Displacement, cu in (L)	268 (4.4)	268 (4.4)	268 (4.4)	366 (6)	366 (6)												
Bore/stroke, in (mm)	4.1/5 (105/127)	4.1/5 (105/127)	4.1/5 (105/127)	3.9/5 (100/127)	3.9/5 (100/127)												
Constant power range, rpm	2000-2200	2000-2200	2000-2200	2000-2200	2000-2200												
Maximum gross torque, ft-lb (Nm)	286 (387)	306 (415)	365 (494)	358 (487)	408 (555)												
Engine rpm at maximum torque	1400	1400	1300	1400	1400												
Engine torque rise, %	33	29	30	32	32												
PTO torque rise, %	35	33	45	40	43												
Optimum fuel consumption, lb/hp/hr (g/kw/hr)	0.353 (215)	0.345 (210)	0.333 (203)	0.358 (218)	0.361 (220)												
Oil change interval, hours	500	500	500	500	500												
<b>TRANSMISSION</b>																	
No. of speeds (fwd/rev)	16/12	16/12	16/12	16/12	16/12												
No. of speeds with optional creeper (fwd/rev)	32/24	32/24	32/24	32/24	32/24												
No. of ranges	4 Forward/3 Reverse																
No. of power shift speeds per range	4	4	4	4	4												
Directional change	Power shuttle with neutral																
Oil change intervals, hours	1000	1000	1000	1000	1000												
Type of Diff. lock rear axle	Multi disc wet plate			Electro-hydraulically engaged wet clutch													
AutoSpeed transmission	Optional	Optional	Optional	Optional	Optional												
No. of speeds with AutoSpeed	16 + 12	16 + 12	16 + 12	16 + 12	16 + 12												
<b>POWER TAKEOFF</b>																	
Engagement type	Hydraulic		Automatic electronic		Electro-hydraulic												
Modulation	Automatic electronic																
No. of shafts/splines	1 (Reversible 6 & 21)	1 (Reversible 6 & 21)	1 (Reversible 6 & 21)	1 (Reversible 6 & 21)	1 (Reversible 6 & 21)												
PTO speeds, rpm	540/1000	540/1000	540/1000	540/1000	540/1000												
Engine rpm at PTO speed	2163/2200	2163/2200	2163/2200	2163/2200	2163/2200												
<b>4-WHEEL DRIVE</b>																	
Manufacturer			Carraro														
Differential lock			Limited slip														
Interaxle ratio	1.32	1.32	1.32	1.32	1.32												
Castor angle, degrees	6°	6°	6°	6°	6°												
Steering angle, degrees	55°	55°	55°	55°	55°												
Minimum turning radius, ft (m)	14.3 (4.34)	14.3 (4.34)	14.7 (4.45)	15.7 (4.8)	15.7 (4.8)												
<b>HYDRAULIC SYSTEM</b>																	
System type	Pressure flow compensated																
Pump type	Variable displacement piston pump																
Hydraulic pump output, gpm (L/min)	28.8 (109)	28.8 (109)	28.8 (109)	28.8 (109)	28.8 (109)												
No. of remotes	2 (3, 4 Optional)	2 (3, 4 Optional)	2 (3, 4 Optional)	2 (3, 4 Optional)	2 (3, 4 Optional)												
Type of sensing	Electronic lower link																
Maximum lift capacity, lb (kg)	12,943 (5871)	12,943 (5871)	12,943 (5871)	12,943 (5871)	12,943 (5871)												
Lift at link ends horizontal - std/assist ram, lb (kg)	11,234 (5096)	11,234 (5096)	11,234 (5096)	11,234/13,137 (5096/5959)	11,234/13,137 (5096/5959)												
Lift through full range at 24.4 in (610 mm) - std/assist ram, lb (kg)	8201 (3720)	8201 (3720)	8201 (3720)	8201/10,182 (3720/4619)	8201/10,182 (3720/4619)												
Category type	IIN	IIN	IIN	IIN	IIN												
<b>CAPACITIES</b>																	
Fuel tank capacity, gal (L)	52 (196)	52 (196)	52 (196)	70 (265)	70 (265)												
Transmission/hydraulics, gal (L)	19.8 (75)	19.8 (75)	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)	7.9/11 (30/42)	7.9/11 (30/42)												
Alternator, amps	95	95	95	95	95												
<b>WEIGHTS, DIMENSIONS AND TIRES</b>																	
Weight with standard equipment ROPS 2wd, lb (kg)	9610 (4385)	9610 (4385)	9780 (4435)	11,124 (5045)	11,124 (5045)												
Weight with standard equipment ROPS 4wd, lb (kg)	10,198 (4625)	10,198 (4625)	10,308 (4675)	11,652 (5285)	11,652 (5285)												
Weight with standard equipment cab 2wd, lb (kg)	10,640 (4825)	10,640 (4825)	10,750 (4875)	11,378 (5161)	11,378 (5161)												
Weight with standard equipment cab 4wd, lb (kg)	11,905 (5400)	11,905 (5400)	12,114 (5495)	12,742 (5780)	12,742 (5780)												
Weight distribution front/rear (no weights), %	35/65	35/65	35/65	42/58	42/58												
Wheelbase 2wd/4wd, in (mm)	94.5 (2400)	94.5 (2400)	99 (2517)	104.3 (2650)	104.3 (2650)												
Ground clearance under draw bar hitch support frame, in (mm)	14 (354)	14 (354)	16 (405)	16 (405)	16 (405)												
Overall length (rear links - front weights), in (mm)	169 (4303)	169 (4303)	174 (4420)	188 (4763)	188 (4763)												
Overall width across rear fenders, in (mm)	77 (1950)	77 (1950)	77 (1950)	77 (1950)	77 (1950)												
Minimum height (add tire radius), in (mm)																	
Center rear axle - top foldable ROPS (up)	80 (2091)	80 (2091)	80 (2091)	80 (2091)	80 (2091)												
Center rear axle - top foldable ROPS (down)	60.5 (1534)	60.5 (1534)	60.5 (1534)	60.5 (1534)	60.5 (1534)												
Center rear axle - top of deluxe cab	80 (2091)	80 (2091)	80 (2091)	80 (2091)	80 (2091)												
Tires - 2wd front	10.0/16	10.0/16	10.0/16	11.0/16	11.0/16												
Tires - 4wd front	13.6/28	13.6/28	14.9/28	14.9/28	14.9/28												
Tires - rear	18.4/34	18.4/34	18.4/38	18.4/38	18.4/38												
MC95, MC105, MC115, MC120, MC135 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	1.8/2.9	2.2/3.5	2.7/4.3	3.3/5.3	3.4/5.4	4.0/6.5	5.0/8.1	6.2/10.0	6.7/10.8	8.1/13.0	10.0/16.1	12.4/19.9	13.0/21.0	15.7/25.3	19.4/31.2	24.0/38.7
Non-creeper travel speeds in mph/kph*	Reverse	2.1/3.3	2.5/4.0	3.1/5.0	3.8/6.1	3.9/6.3	4.7/7.5	5.8/9.3	7.2/11.5	7.8/12.5	9.3/15.0	11.5/18.6	14.3/23.0				
MC95, MC105, MC115, MC120, MC135 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	0.3/0.4	0.3/0.5	0.4/0.6	0.5/0.8	0.5/0.8	0.6/1.0	0.7/1.2	0.9/1.5	1.0/1.6	1.2/1.9	1.5/2.4	1.8/2.9	1.9/3.1	2.3/3.7	2.8/4.6	3.5/5.7
Creeper travel speeds in mph/kph*	Reverse	0.3/0.5	0.4/0.6	0.5/0.7	0.6/0.9	0.6/0.9	0.7/1.1	0.9/1.4	1.1/1.7	1.1/1.8	1.4/2.2	1.7/2.7	2.1/3.4				
MC95, MC105, MC115, MC120, MC135 with 19 mph/30 km/h trans.	Gear	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	Forward	1.3/2.1	1.6/2.5	2.0/3.1	2.4/3.9	2.5/4.0	3.0/4.8	3.7/5.9	4.5/7.3	4.9/7.9	5.9/9.5	7.3/11.8	9.1/14.6	9.6/15.4	11.5/18.5	14.2/22.9	17.6/28.4
Non-creeper travel speeds in mph/kph*	Reverse	1.5/2.4	1.8/2.9	2.3/3.6	2.8/4.5	2.9/4.6	3.4/5.5	4.2/6.8	5.3/8.5	5.7/9.2	6.8/11.0	8.5/13.6	10.5/16.9				

\* MC95, MC105, MC115, MC120 Power6, and MC135 Power6 travel speeds are at rated engine speed (2200 rpm) and on 18.4/38 rear tires. (Note: MC95 and MC105 standard build tires are 18.4/34, resulting in 9% slower travel speeds.)

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