

660 - 670 - 680 VT-DRIVE

X8



McCORMICK

HIGHLIGHTS

Cab

- Large, 4-post design with flat foot deck and two doors
- Instrument cluster tilts and telescopes with steering wheel
- Climate controlled, air-suspended swivel seat available
- Multi-function armrest control center with integrated control handle
- 12-inch color, touch screen ISOBUS monitor
- "Hide-away" folding instructor's seat
- Auto climate control
- Hydraulic cab suspension

Engine

- BETAPOWER 6.7 liter, 6-cylinder diesel engine
- Heavy, cast steel front frame and chassis
- Electronic engine management with high pressure common rail direct fuel injection
- Electronically controlled variable geometry turbocharger (eVGR) with intercooler
- Advanced SCR after-treatment emissions technology
- Pivoting front radiators for easy access
- 145 gallon (550 liter) fuel tank

Transmission

- VT-Drive continuously variable transmission
- Infinite travel speeds from creeper to maximum transport
- Smooth acceleration and constant traction
- Four programmable virtual operating ranges
- Transmission controls integrated into right hand EasyPilot controller
- Remote shuttle capability
- Optimum performance with high fuel economy
- Simple operation with three modes: AUTO, MANUAL, PTO

Hydraulics

- Closed center, load sensing system
- Up to 56 gpm (212 lpm) flow dedicated to hitch and implements
- Up to 6 rear remote valves, electronically operated
- Fingertip controls for all hydraulic services
- Electronic rear hitch control capable of lifting 26,450 lb (12,000 kg)
- Front hitch standard with up to 11,000 lb (5,000 kg) of lift
- Separate, dedicated hydraulic oil reservoir
- Electronic, variable rate steering valve

Axles

- Massive flanged rear axle with hydraulic wet disc brakes and fully locking differential
- Planetary final drives with isolated gear oil
- 3-speed rear PTO (540e/1000/1000e) with electronic, wet-clutch engagement
- Hydraulically suspended front axle with wet disc front brakes and locking differential
- Automatic 4-wheel braking system
- Bolt-on bar axle adaptor for rear duals

Body & Technology

- New hood design reflects the McCormick family styling
- Rear fenders with fixed extensions
- Opening roofline window for ventilation and visibility
- Cab access steps on both sides
- Robust work lighting package with superior LEDs located around the cab and hood
- ISOBUS (ISO 11783) compliant with rear implement plug
- "Auto Guidance Ready" capable from the factory



ENGINE

BETAPOWER, 6.7 L

HOOD DESIGN

FAMILY STYLE

HYDRAULICS

CCLS, HIGH-FLOW

CHASSIS

CAST FRONT FRAME

CAB

LARGE, SUSPENDED

REAR HITCH

12,450 LB LIFT

TRANSMISSION

VT-DRIVE (CVT)

REAR PTO

540E/1000/1000E

FRONT AXLE

SUSPENDED

X8 SERIES



Tractor Model		X8.660		X8.670		X8.680	
Performance							
Rated ISO Engine HP @ 2100 RPM		HP (kW)	258 (190)	271 (199)		301 (221)	
Max. ISO Engine HP @ 1900 RPM		HP (kW)	264 (194)	286 (210)		310 (228)	
Max. ISO PTO HP @ 1900 RPM*		HP (kW)	219 (163)	241 (180)		265 (199)	
Max. Engine Torque @ 1400 RPM		lb ft (Nm)	835 (1132)	880 (1194)		945 (1282)	
Torque Rise			37%	32%		38%	
Engine							
Engine Type		BETAPOWER diesel engine; Tier 4 using eVGR and advanced Selective Catalytic Reduction (SCR) technology					
Engine Size		6.7 Liter, 6-cylinder set in front frame					
Fuel / DEF Capacity		gal (liter)	145 (550) / 18.5 (70)				
Drive Train							
Transmission Type		‘VT-Drive’ continuously variable transmission (CVT) with infinite speeds and seamless acceleration; 32 mph (50 kph) capable					
Ranges and Operating Modes		4 adjustable virtual operating ranges (creeper, field, work, transport); 3 operating models (Auto, Manual, PTO); cruise control					
Rear Axle		Heavy duty rear axle; internal planetary final drives; wet disc brakes; flange axle with bar axle adaptors					
Differential Lock		Front and rear fully locking differentials; electronic control; hydraulic engagement					
4wd Front Axle		Hydraulically suspended; push button engagement; center locking differential; outboard planetary final drives; wet disc brakes					
Hydraulics, 3-point Hitch, PTO							
Implement Hydraulic System Type/Max. Flow		gpm (lpm)	Closed Center PFC with dedicated variable piston pump / 41.4 (157) standard, 56 (212) optional				
Rear Remote Valves		4 standard; up to 6 available					
Rear 3-point Hitch Type		Category 3 / 4N (narrow); electronic control					
3-point Lift Capacity @ Hitch		lb (kg)	11,000 (5000) on front hitch; 26,450 (12000) on rear hitch				
Rear PTO		540E / 1000 / 1000E standard; electro-hydraulic engagement; wet multi-disc PTO clutch; rear fender controls					
Operator's Area							
Cab		Large 4-post structure; 2 doors; flat foot deck; hydraulic suspension; auto climate control; roofline window					
Seat and Front Dash		Deluxe air suspended seat; tilt and telescopic steering wheel; hide-away instructor's seat; front dash with user interface					
Integrated Display		12 inch (305 mm) touch screen color display; ISO 11783 (ISOBUS) compliant with rear connector					
Wheelbase		in (mm)	118 (3000)				
Height Over Cab with Factory Wheels		in (mm)	134 (3400)				
Overall Length with Front Ballast Weight		in (mm)	203 (5150)				
Base Weight without Ballast		lb (kg)	23,810 (10800)				

* Manufacturer's calculated estimate.