

REDPOWER

EMISSION SOLUTIONS: BOOSTING ENGINE PERFORMANCE & PRODUCTIVITY

MAGNUM™ SERIES TRACTORS NEW 2011 PREVIEW



SAFETY NEVER HURTS!™ Always read the Operator's Manual before operating any equipment. Inspect equipment before using it, and be sure it is operating properly. Follow the product safety signs, and use any safety features provided. CNH America LLC reserves the right to make improvements in design and changes in specifications at any time without notice and without incurring any obligation to install them on units previously sold. Specifications, descriptions and illustrative material herein are as accurate as known at time of publication, but are subject to change without notice. Availability of some models and equipment builds varies according to the country in which the equipment is used.
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We're here to make the equipment you need to farm the way you want.

YOU SPOKE. WE LISTENED. MEET THE NEW GENERATION OF MAGNUM™ TRACTORS.

What happens when a company asks its customers to play a major role in the development process? See for yourself. Introducing the 2011 Case IH Magnum tractors. **Engineered with input from the very start by producers, for producers.** Fact is, no one knows more about how a farmer uses equipment than farmers themselves. So before we cut one piece of metal or turned one bolt, we spent a lot of time asking producers like you what matters most.

They said they wanted a more comfortable cab for those long days and longer nights. No problem. They said they wanted more fuel efficiency to keep costs down. You got it. They said they wanted more power to pull their biggest implements. Done. You see, Case IH and every one of our employees are committed to putting your needs first.



INDUSTRY LEADING FEATURES

ENGINEERED TO HELP YOU FARM THE WAY YOU WANT.

The features you've been asking for are here. More comfort. More convenience. More efficiency. From front to back, the 2011 Magnum is engineered to make your job easier and more productive than ever before.

MAKE YOURSELF COMFORTABLE.

- **Suspended cab:** A new option for 2011, it features front-to-back and up-to-down compensation, giving you a smoother ride in rough terrain and on the road.
- **New MultiControl Armrest console:** Provides simple, fingertip control of engine speed, gear, hitch and hydraulics. Now standard on all Case IH high-horsepower tractors, the MultiControl Armrest is ideal for larger implements with more hydraulic and PTO functions, and easy enough for your newest hired hand.
- **New AFS® Pro 700 color display:** Integrated into the MultiControl Armrest within your natural line of sight, it moves with the seat, for easier access. Controls all tractor, performance, implement and guidance functions.
- **CVT transmission:** A new option on Magnum 180-225 models, it continuously adjusts to find the sweet spot between power and fuel efficiency without clutching or shifting, for less fatigue at the end of the day.

KEEP YOU MOVING.

- **Standard Power Boost:** Gives you up to an extra 35 engine hp for roading, mobile PTO or hydraulic demands, while Power Growth can increase your engine power up to 14 percent for extra pulling reserves.
- **More pulling power and productivity:** The heavy-duty front Surround Frame and longer wheelbase provide tough pulling power, while the industry's tightest turning radius increases your end-of-row productivity.
- **Industry-Best flow:** The Magnum features the most hydraulic flow in the industry (up to 75 gpm). With up to six hydraulic remotes and a new optional front hitch/front PTO option, you're equipped for any application.
- **Easy maintenance:** All engine, transmission and hydraulic fluids are serviced from ground level. Engine oil and filter change intervals have been extended to 600 hours.

EMISSIONS SOLUTIONS LET YOU BREATHE EASY.

- **A powerful leader:** We've improved our proven Case IH high-horsepower engines. The Magnum 235-340 models are powered by a new, more fuel-efficient Tier 4A version of the 8.7-liter engine already at work in Axial-Flow® 7120 combines. The Magnum 180-225 models continue with the rugged 6.7-liter powerplant, now Tier 4A compliant and even more fuel efficient.
- **Tier 4A compliant:** All our Magnum tractors now feature Case IH SCR Technology to meet Tier 4A emissions standards.
- **Smart emissions solutions:** The SCR system is separate from the engine – it doesn't recirculate exhaust gas back into the engine – so it doesn't interfere with performance.
- **Efficiency without sacrifices:** Eliminating exhaust gas recirculation improves fuel efficiency by a minimum of 10 percent, because SCR technology allows Case IH engines to be tuned for efficient power, not emissions.



SPECIFICATIONS (PRELIMINARY)	MAGNUM 180	MAGNUM 190	MAGNUM 210	MAGNUM 225
POWER				
Type	Tier 4A with Selective Catalytic Reduction (SCR)			
Engine HP at Rated 2200 rpm	182 hp	197 hp	212 hp	228 hp
Maximum Engine HP at 1,800 rpm	200 hp	215 hp	230 hp	245 hp
Power Boost*	Up to 35 additional engine hp @ 2,200 rpm (at rated speed)			
PTO HP at Rated 2,200 rpm (mfr est)	150 hp	165 hp	180 hp	195 hp
Cylinders / Displacement	6 cyl. / 6.7L (411 cu. in.)			
Number of Valves	24			
Aspiration	Cross-Flow Aspiration / Turbocharged			
ELECTRICAL				
Alternator – Std./Optional	150 / 200 amp			
Battery	12 Volt			
TRANSMISSION / PTO				
19 speed Full Powershift 19Fx6R with 19th Economy Gear (25 mph/40 kph)	Standard		N/A	
19 speed Full Powershift 19Fx6R (30 mph/50 kph)	Optional		N/A	
Creep Speeds for Full Powershift	Dealer-Installed Option		N/A	
25 mph (40 kph) CVT Transmission with Economy Transport Mode	Optional		Standard	
30 mph (50 kph) CVT Transmission with Economy Transport Mode	Optional		Optional	
Creep speeds for CVT	Standard with CVT			
PTO	540/1000 rpm 1-3/8 in. shafts, and 1000 rpm 1-3/4 in. shaft			
AXLES				
Standard rear diameter	4 in. (100 mm)			
Rear axle length – Std. / Optional	119 in. (3020 mm)/ 112 in. (2485 mm)			
Suspended Front Axle	Optional			
MFD Tread Adjustability	60 - 88 in. (1524-2235 mm)			
Wheelbase	118.3 in. (3005 mm)			
HYDRAULICS / HITCH				
System Type	Pressure-flow compensating (PFC)			
Remotes – Std./Opt	3/4/5 Electro-hydraulic			
Main Implement Pump Flow Full Powershift	35 gpm (135 L/min)		N/A	
Main Implement Pump Flow CVT	40 gpm (150 L/Min)		40 gpm (150 L/Min)	
3-point Hitch Category	Cat II / IIIN			
Hitch Lift Capacity – Std. / Optional	10,200 lb. (4626 kg) / 13,400 lb. (6078 kg)			
Mid-Mount Valve – Optional	2 or 3 Function			
CAPACITIES				
Fuel Tank	118 gal. (446 L)			
Diesel Exhaust Fluid (DEF) Tank	15 gal. (56.7L)			
Engine Oil with Filter	16 U.S. qt. (15 L)			
Hydraulic Fluid	26.5 U.S. gal. (100 L)			
CAB				
Cab Suspension	Optional			
Volume (Size)	109.5 cu. ft. (3.1 cu. m)			
Glass	68.5 sq. ft. (6.4 sq. m)			

* Power boost available during mobile PTO/hydraulics operation, or transport.

SPECIFICATIONS (PRELIMINARY)	MAGNUM 235	MAGNUM 260	MAGNUM 290	MAGNUM 315	MAGNUM 340
POWER					
Type	Tier 4A with Selective Catalytic Reduction (SCR)				
Engine HP at Rated 2,000 rpm	232 hp	253 hp	280 hp	307 hp	335 hp
Maximum Engine HP at 1,800 rpm	264 hp	285 hp	312 hp	342 hp	369 hp
Power Boost*	Up to 35 additional engine hp @ 2,000 rpm (at rated speed)				
PTO HP at Rated 2,000 rpm (mfr. est.)	185 hp	205 hp	230 hp	255 hp	280 hp
Cylinders / Displacement	6 cyl. / 8.7L (531 cu. in.)				
Number of Valves	24				
Aspiration	Cross-Flow Aspiration / Turbocharged (Wastegate)				
ELECTRICAL					
Alternator	200 amp				
Battery	2 – 12V batteries				
TRANSMISSION / PTO					
19 speed full power shift 19Fx4R with 19th Economy Gear (25 mph/40 kph)	Standard				
19 speed full power shift 19Fx4R, (30 mph/50 kph)	Optional				
18 speed full power shift 18Fx4R	Optional				
23F/4R Creeper speeds	Optional				
PTO Standard/Optional	1000 rpm 1-3/4 in. shaft / 540/1000 rpm 1-3/8 in. shafts				
AXLES					
Rear Axle diameter - Standard / Optional	4 in. (100 mm) / NA	4 in. / 4.5 in. (102/115 mm)	4.5 in. (115 mm) / NA		
Rear axle length	120 in. (3050 mm)				
Suspended Front Axle	Optional				
MFD Tread Adjustability	60 - 88 in. (1524-2235 mm)				
MFD Duals	Optional (available only on HD front axle)				
Wheelbase	120 in. (3055 mm)				
HYDRAULICS / HITCH					
System Type	Pressure-Flow Compensating (PFC)				
Remotes – Std./Opt	4/5/6 Electro-hydraulic				
Main Implement Pump Flow	44 gpm (166 L/min)				
Optional Pump Flow	59 gpm (225 L/min) or 75 gpm (282 L/min)				
Rear 3-point Hitch Category	Cat III / IIIN				
Hitch Lift Capacity – Std. / Optional	12,070 lbs. (5370 kg) / 16,375 lbs. (7421 kg)	12,070 lbs. (5370 kg) / 16,375 lbs. (7421 kg)	14,375 lb (6520 kg) / 17,930 lbs. (7,980 kg)	14,375 lb (6520 kg) / 17,930 lbs. (7,980 kg)	Cat IV/III 17,750 lb (8051 kg) / 19,750 lbs. (8859 kg)
Front PTO / Front 3-point Hitch	Optional Factory Ready				
Front Hitch PTO Speed and Shaft Size	1000 RPM, 1 3/4 in. 20 Spine				
CAPACITIES					
Fuel Tank	168 gal. (635 L)				
Diesel Exhaust Fluid (DEF) Tank	23.6 gal. (89L)				
CAB					
Cab Suspension	Optional				
Volume (Size)	109.5 cu. ft. (3.1 cu. m)				
Glass	68.5 sq. ft. (6.4 sq. m)				

* Power boost available during mobile PTO/hydraulics operation, or transport.