

MAGNUM™ SERIES TRACTORS Specifications



Models Magnum 180, Magnum 190 & Magnum 210

MODEL	Magnum 180	Magnum 190	Magnum 210
ENGINE			
PTO Horsepower at Rated RPM	150 PTO hp @ 2200 RPM	165 PTO hp @ 2200 RPM	180 PTO hp @ 2200 RPM
Power Boost*	35 engine hp*	31 engine hp*	19 engine hp*
Cylinders/displacement / Number of valves	6/415 cu. in.(6.75 L) / 24	6/415 cu. in.(6.75 L) / 24	6/415 cu. in.(6.75 L) / 24
Aspiration	Turbocharged/intercooled	Turbocharged/intercooled	Turbocharged/intercooled
Bio-Diesel Fuel	Up to 100% (B100)**	Up to 100% (B100)**	Up to 100% (B100)**
ELECTRICAL			
Alternator Std./Optional	150 / 200 amp	150 / 200 amp	150 / 200 amp
TRANSMISSION			
18 speed full power shift 18Fx6R	Standard	Standard	Standard
19 speed full power shift 19Fx6R with 19th Economy Gear (25 mph/40 kph)	Optional	Optional	Optional
19 speed full power shift 19Fx6R (30 mph/50 kph)	Optional	Optional	Optional
Creep speeds	Dealer-Installed Option	Dealer-Installed Option	Dealer-Installed Option
PTO (interchangeable shafts)	540/1000 rpm 1-3/8 in. (35 mm) shafts, and 1000 rpm 1-3/4 in. (44 mm) shaft	540/1000 rpm 1-3/8 in. (35 mm) shafts, and 1000 rpm 1-3/4 in. (44 mm) shaft	540/1000 rpm 1-3/8 in. (35 mm) shafts, and 1000 rpm 1-3/4 in. (44 mm) shaft
AXLES			
Standard rear diameter	4-1/8 in. (105 mm)	4-1/8 in. (105 mm)	4-1/8 in. (105 mm)
Rear axle length - Standard / Optional	112 in. (2485 mm) / 119 in. (3020 mm)	112 in. (2485 mm) / 119 in. (3020 mm)	112 in. (2485 mm) / 119 in. (3020 mm)
Suspended Front Axle	Optional	Optional	Optional
MFD Tread Adjustability	60 - 88 in. (1524-2235 mm)	60 - 88 in. (1524-2235 mm)	60 - 88 in. (1524-2235 mm)
Wheelbase (MFD) / Turning radius***	118.3 in. (3005 mm) / 16 ft. (4.87 m)	118.3 in. (3005 mm) / 16 ft. (4.87 m)	118.3 in. (3005 mm) / 16 ft. (4.87 m)
HYDRAULICS			
Hydraulic Type	Pressure-flow compensating (PFC)	Pressure-flow compensating (PFC)	Pressure-flow compensating (PFC)
Remotes - Standard / Optional	3/4/5 Electro-hydraulic	3/4/5 Electro-hydraulic	3/4/5 Electro-hydraulic
Main/Implement Pump Flow / Available at remotes	35.7 gpm (135 L/min) / 31.7 gpm (120 L/min)	35.7 gpm (135 L/min) / 31.7 gpm (120 L/min)	35.7 gpm (135 L/min) / 31.7 gpm (120 L/min)
3-point Hitch Category	Cat II / III	Cat II / III	Cat II / III
Hitch Lift Capacity – Standard / Optional	10,900 lbs. (4944 kg) / 13,600 lb. (6168 kg)	10,900 lbs. (4944 kg) / 13,600 lb. (6168 kg)	10,900 lbs. (4944 kg) / 13,600 lb. (6168 kg)
Mid-Mount Valve – Optional	2 or 3 function	2 or 3 function	2 or 3 function
CAPACITIES			
Fuel Tank	118 gal. (446 L)	118 gal. (446 L)	118 gal. (446 L)
Engine oil with filter	17 U.S. qt. (16 L)	17 U.S. qt. (16 L)	17 U.S. qt. (16 L)
Hydraulic Fluid	26.5 U.S. gal. (100 L)	26.5 U.S. gal. (100 L)	26.5 U.S. gal. (100 L)
CAB			
Volume (Size)	109.5 cu. ft. (3.1 m ³)	109.5 cu. ft. (3.1 m ³)	109.5 cu. ft. (3.1 m ³)
Glass	68.5 sq. ft. (6.4 m ²)	68.5 sq. ft. (6.4 m ²)	68.5 sq. ft. (6.4 m ²)
SHIPPING WEIGHTS & DIMENSIONS			
With Standard MFD Axle***	18,200 lb. (8250 kg)	18,200 lb. (8250 kg)	18,200 lb. (8250 kg)
With Suspended Front Axle***	19,000 lb. (8600 kg)	19,000 lb. (8600 kg)	19,000 lb. (8600 kg)
Height to Top of Cab***	128.5 in. (3265 mm)	128.5 in. (3265 mm)	128.5 in. (3265 mm)

* Additional available HP during mobile PTO/hydraulics operation, or 16th gear & higher. ** With approved Case IH maintenance practices. *** With 380/85R34 front and 480/80R46 rear tires.

MAGNUM™ SERIES TRACTORS Specifications



Models Magnum 215, Magnum 245, Magnum 275, Magnum 305 & Magnum 335

MODEL	Magnum 215	Magnum 245	Magnum 275	Magnum 305	Magnum 335
ENGINE					
Rated PTO	175 hp (131 kW)	200 hp (149 kW)	225 hp (168 kW)	255 hp (190 kW)	275 hp (205 kW)
Rated Full Load	2000 rpm	2000 rpm	2000 rpm	2000 rpm	2100 rpm
Peak PTO Torque @ 1400 rpm	1,264 ft-lb (1714 Nm)	1,454 ft-lb. (1971 Nm)	1,617 ft-lb. (2192 Nm)	1,750 ft-lb. (2373 Nm)	1,813 ft-lb. (2458 Nm) @ 1500 rpm
PTO Power Growth	35 hp (26.1 kW)	35 hp (26.1 kW)	36 hp (26.8 kW)	37 hp (27.6 kW)	33 hp (24.6 kW)
Peak PTO Power	210 hp (156.6 kW)	235 hp (175.2 kW)	261 hp (194.6 kW)	292 hp (217.7 kW)	308 hp (230 kW)
PTO Torque Rise†	52%	53%	51%	46%	47%
Cylinder/Displacement	6/505 cu. in. (8.3 L)	6/505 cu. in. (8.3 L)	6/543 cu. in. (9 L)	6/543 cu. in. (9 L)	6/543 cu. in. (9 L)
Number of Valves	24	24	24	24	24
Aspiration	Wastegate turbocharged/air-air				
ELECTRICAL					
Alternator Standard/Optional	150 amp/175 amp				
Battery Capacity	2 batteries/2,000 cca				
FULL POWERSHIFT TRANSMISSION					
18-Speed (18Fx4R)	Standard	Standard	Standard	Standard	Standard
19-Speed (19Fx4R) w/19th Economy Gear (25 mph/40 kph)	Optional	Optional	Optional	Optional	Optional
19-Speed (19Fx4R) w/19th Fast Gear (30 mph/50 kph)	Optional	Optional	Optional	Optional	NA
23-Speed (23Fx6R) w/ Shift Through Creeper	Optional	Optional	Optional	Optional	Optional
Electronic Pulse-Width Modulated Shift	Standard	Standard	Standard	Standard	Standard
Power Shuttle	Standard	Standard	Standard	Standard	Standard
AutoShift with Field and Road Modes	Standard	Standard	Standard	Standard	Standard
PTO Standard	1000; 1.75 in. (44 mm), 20 splines				
PTO Optional Multi-shafts	540/1000; 1.375 in. (35 mm) and 1000; 1.75 in. (44 mm)	540/1000; 1.375 in. (35 mm) and 1000; 1.75 in. (44 mm)	540/1000; 1.375 in. (35 mm) and 1000; 1.75 in. (44 mm)	540/1000; 1.375 in. (35 mm) and 1000; 1.75 in. (44 mm)	540/1000; 1.375 in. (35 mm) and 1000; 1.75 in. (44 mm)
PTO Optional Reversible Shaft	1000; 1.75 in. (44 mm) / 1000; 1.375 in. (35 mm)	1000; 1.75 in. (44 mm) / 1000; 1.375 in. (35 mm)	1000; 1.75 in. (44 mm) / 1000; 1.375 in. (35 mm)	1000; 1.75 in. (44 mm) / 1000; 1.375 in. (35 mm)	1000; 1.75 in. (44 mm) / 1000; 1.375 in. (35 mm)
AXLES					
Standard/Optional Rear Diameter	4 in./4.5 in. (102/115 mm)	4.5 in. (115 mm)			
Rear Axle Length	120 in. (3050 mm)				
MFD Axle	10-bolt Hub Standard	10-bolt Hub Standard	12-bolt Hub Standard	12-bolt Hub Standard	12-bolt Hub w/Diff Lock Standard
Suspended Front Axle	Optional	Optional	Optional	Optional	NA
MFD Tread Adjustability	60-88 in. (1524-2235 mm)				
MFD Duals (Requires 12-bolt Hub)	Optional	Optional	Optional	Optional	Optional
Wheelbase	118.3 in. (3005 mm)				

MAGNUM™ SERIES TRACTORS Specifications



Models Magnum 215, Magnum 245, Magnum 275, Magnum 305 & Magnum 335

MODEL	Magnum 215	Magnum 245	Magnum 275	Magnum 305	Magnum 335
HYDRAULICS					
Hydraulic Type	PFC/parallel priority				
Remotes Standard/Optional	3/5	3/5	3/5	3/5	3/5
Hydraulic Pump Flow Standard/Optional	44/59 gpm (166/223 L/min)	46/62 gpm (175/236 L/min)			
TwinFlow Pump Option, Total Flow	75 gpm (282 L/min)	78 gpm (297 L/min)			
3-Point Hitch Category (Optional)	Cat III/IIIN (IVN/III)	Cat III/IIIN (IVN/III)	Cat III/IIIN (IVN/III)	Cat III/IIIN (IVN/III)	Cat IVN/III
Standard Hitch Lift Capacity – Cat. III/IIIN	14,070 lb. (6382 kg)	14,070 lb. (6382 kg)	15,183 lb. (6885 kg)	16,375 lb. (7421 kg)	N/A
Optional Hitch Lift Capacity – Cat III/IIIN	16,375 lb. (7421 kg)	16,375 lb. (7421 kg)	17,931 lb. (8132 kg)	17,931 lb. (8132 kg)	N/A
Optional Hitch Lift Capacity – Cat IVN/III	17,400 lb. (7893 kg)†				
CAPACITIES					
Fuel Tank	180 gal. (682 L)				
Engine Oil with Filter	22 U.S. qt. (21 L)				
Cooling System	24 U.S. qt. (22.7 L)	24 U.S. qt. (22.7 L)	26 U.S. qt. (24.6 L)	26 U.S. qt. (24.6 L)	26 U.S. qt. (24.6 L)
Hydraulic Fluid	45.5 gal (172 L)				
CAB					
Volume (Size)	109.5 cu. ft. (3.1 m ³)				
Glass	68.5 sq. ft. (6.4 m ²)				
Sound Level	70.6 dBa	70.6 dBa	70.0 dBa	70.7 dBa	70.7 dBa
SHIPPING WEIGHT					
With Standard MFD Axle*	20,100 lb. (9136 kg)	20,100 lb. (9136 kg)	20,630 lb. (9377 kg)	20,630 lb. (9377 kg)	21,150 lb. (9593 kg)
With Suspended Front Axle*	20,900 lb. (9499 kg)	20,900 lb. (9499 kg)	21,430 lb. (9740 kg)	21,430 lb. (9740 kg)	NA
Maximum Operating Weight	26,500 lb. (12 000 kg)	29,500 lb. (13 400 kg)	32,500 lb. (14 770 kg)	34,500 lb. (15 680 kg)	37,125 lb. (16 839 kg)
Height to Top of Cab**	128.5 in. (3265 mm)				

*With 380/85R34 front and 480/80R46 rear on Magnum 215 and Magnum 245; with 420/90R30 front and 520/85R42 rear on Magnum 275, Magnum 305 and Magnum 335. **With 480/80R46 rear tires. †Manufacturer estimate.

NOTE: All specifications are stated in accordance with SAE Standards or Recommended Practices, where applicable.

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