

CASE IH
AGRICULTURE

AFS
CONNECT

MAGNUM™

SPECIFICATIONS



AFS CONNECT MAGNUM MODEL	MAGNUM 180	MAGNUM 200	MAGNUM 220	MAGNUM 240	MAGNUM 250	MAGNUM 280
ENGINE						
Engine Type	Tier 4 B/Final with Selective Catalytic Reduction (SCR)					
HP ISO / ECE R120 (CV)	180 @ rated 2,100 rpm	200 @ rated 2,100 rpm	220 @ rated 2,100 rpm	240 @ rated 2,100 rpm	250 @ rated 2,000 rpm	280 @ rated 2,000 rpm
Maximum Engine HP @ Rated 1,800 rpm ISO / ECE R120 (CV)	200	220	240	260	285	315
Maximum Boosted Engine HP @ Rated 1,800 rpm ISO / ECE R120 (CV)	225	245	260	270	320	350
PTO HP per SAE	155 @ rated 2,100 rpm	170 @ rated 2,100 rpm	185 @ rated 2,100 rpm	205 @ rated 2,100 rpm	205 @ rated 2,000 rpm	235 @ rated 2,000 rpm
Cylinders / Number of Valves / Displacement	6 cyl. / 24 valves/ 6.7 L				6 cyl. / 24 valves/ 8.7 L	
Engine Aspiration	Turbocharger wastegate				Turbocharger eVGT	
Engine Compression Brake	NA				Standard	
ELECTRICAL						
Alternator / Battery	240 amp / 12-volt battery				240 amp / 2 12-volt batteries	
TRANSMISSION/PTO						
PowerDrive: 18 Speed—25 mph (40 kph)	NA				Optional	
PowerDrive: 19 Speed (Economy)—25 mph (40 kph)	Standard			NA	Standard	
PowerDrive: 19 Speed—30 mph (50 kph)	Optional			NA	Optional	
CVXDrive™ Transmission: 25 mph (40 kph)	Optional			Standard	Optional	
CVXDrive Transmission: 30 mph (50 kph)	Optional					
Rear PTO (Standard / Optional)	540 rpm 1-3/8 in. dia. and 1,000 rpm 1-3/8 in. dia. / NA				1,000 rpm 1-3/4 in. dia. / Optional 3 interchangeable shafts: 540 and 1,000 rpm 1-3/8 in. dia. and 1,000 rpm 1-3/4 in. dia.	
AXLES						
Rear Axle Diameter (Standard / Optional)	4 in. (100 mm) / NA				4.5 in. (115 mm)	
Rear Axle Length (Standard / Optional)	119 in. (3 020 mm) / 112 in. (2 489 mm)				120 in. (3 050 mm) / NA	
Suspended Front Axle	Optional					
MFD Tread Adjustability	60 — 88 in. (1 524 — 2 235 mm)					
MFD Duals	Optional on Class 4.75 axles				Optional	
Wheelbase (PowerDrive / CVXDrive)	118 in. (3 000 mm)				120 in. (3 050 mm) / 122 in. (3 100 mm)	
HYDRAULICS/HITCH						
System Type	Pressure Flow Compensating (PFC)					
Remotes (Standard / Optional)	3 electrohydraulic / 4 or 5 electrohydraulic				4 electrohydraulic / 5 or 6 electrohydraulic	
Main Implement Pump Flow	PowerDrive = 41 gpm (156 L/min.) / CVXDrive = 43 gpm (162 L/min.)				44 gpm (166 L/min.) / 59 gpm (225 L/min.) or 75 gpm (282 L/min.)	
Rear 3-Point Hitch (Standard / Optional)	Cat III/IIIN / NA					Cat III/IIIN / Cat IV/III
Standard Hitch Lift Capacity	13,600 lb. (6 170 kg) without quick coupler; 13,000 lb. (5 900 kg) with quick coupler				14,000 lb. (6 350 kg)	
Optional Front 3-Point Hitch Lift Capacity	NA				9,426 lb. (4 275 kg)	
Front Hitch PTO Speed and Shaft Size	NA				1,000 rpm	
PTO Shaft Size	NA				1 3/8 in. (35 mm) shaft 21 spline	
CAPACITIES						
Fuel Tank	160 gal. (600 L)				PowerDrive: 179 gal. (678 L) / CVXDrive: 163 gal. (617 L)	
Diesel Exhaust Fluid (DEF) Tank	17.5 gal. (66 L)				26 gal. (99 L)	
CAB						
Cab Suspension	Standard					
Volume (Size) / Glass (Area) / Cab Sound Level	109.5 cu ft. (3.1 m³ / 68.5 sq. ft.) / 67 dBa					
WEIGHT						
Average Shipping Weight	21,500 lb. (9 750 kg)				28,600 lb. (12 973 kg)	

AFS CONNECT MAGNUM MODEL	MAGNUM 310	MAGNUM 340	MAGNUM ROWTRAC™ 340	MAGNUM 380	MAGNUM ROWTRAC 380	MAGNUM 400	MAGNUM ROWTRAC 400
ENGINE							
Engine Type	Tier 4 B/Final with Selective Catalytic Reduction (SCR)						
Engine HP	310 @ rated 2,000 rpm	340 @ rated 2,000 rpm		380 @ rated 2,000 rpm		396 @ rated 2,000 rpm	
Maximum Engine HP @ Rated 1,800 rpm ISO / ECE R120 (CV)	345	375		415		435	
Maximum Boosted Engine HP @ Rated 1,800 rpm ISO / ECE R120 (CV)	380	410		435		NA	
PTO HP per SAE	265 @ rated 2,000 rpm	290 @ rated 2,000 rpm		315 @ rated 2,000 rpm		345 @ rated 2,000 rpm	
Cylinders / Number of Valves / Displacement	6 cyl. / 24 valves / 8.7 L						
Engine Aspiration	Turbocharger eVGT						
Engine Compression Brake	Standard						
ELECTRICAL							
Alternator / Battery	240 amp / 2 12-volt batteries						
TRANSMISSION/ PTO							
PowerDrive: 18 Speed—25 mph (40 kph)	Optional	Standard	NA				
PowerDrive: 19 Speed (Economy)—25 mph (40 kph)	Standard	NA					
PowerDrive: 19 Speed—30 mph (50 kph)	Optional	NA					
PowerDrive: 21 Speed (Economy)—25 mph (40 kph)	NA					Standard	
PowerDrive: 21 Speed (Economy)—30 mph (50 kph)	NA					Optional	NA
CVXDrive Transmission: 25 mph (40 kph)	Optional		Standard			NA	
CVXDrive Transmission: 30 mph (50 kph)	Optional	NA	Optional	NA	NA		
Rear PTO (Standard / Optional)	1,000 rpm 1-3/4 in. dia. / Optional 3 interchangeable shafts: 540 and 1,000 rpm 1-3/8 in. dia. and 1,000 rpm 1-3/4 in. dia.						
AXLES							
Rear Axle Diameter (Standard / Optional)	4.5 in. (115 mm) / NA		NA	5 in. (127 mm) / NA	NA	5 in. (127 mm) / NA	NA
Rear Axle Length (Standard / Optional)	120 in. (3 050 mm) / NA		NA	120 in. (3 050 mm) / NA	NA	120 in. (3 050 mm) / NA	NA
Suspended Front Axle	Optional						
MFD Tread Adjustability	60 – 88 in. (1 524 – 2 235 mm)						
MFD Duals	Optional						
Wheelbase (PowerDrive / CVXDrive)	120 in. (3 050 mm) / 122 in. (3 100 mm)		124 in. (3 150 mm)	NA / 124 in. (3 150 mm)		124 in. (3 150 mm) / NA	
HYDRAULICS / HITCH							
System Type	Pressure Flow Compensating (PFC)						
Remotes (Standard / Optional)	5 electrohydraulic / 6 electrohydraulic						
Main Implement Pump Flow	44 gpm (166 L/min.) / 59 gpm (225 L/min.) or 75 gpm (282 L/min.)						
Rear 3-Point Hitch (Standard / Optional)	Cat III/IIIN / Cat IV/III	Cat IV/III / NA					
Standard Hitch Lift Capacity	15,900 lb. (7 210 kg)	17,500 lb. (7 940 kg)		19,900 lb. (9 026 kg)		19,900 lb. (9 026 kg)	
Optional Front 3-Point Hitch Lift Capacity	9,426 lb. (4 275 kg)						
Front Hitch PTO Speed	1,000 rpm						
PTO Shaft Size	1 3/8 in. (35 mm) shaft 21 spline / 1-3/8 in. dia. 6 spline and 1-3/4 in. dia. 20 spline available from parts						
CAPACITIES							
Fuel Tank	PowerDrive: 179 gal. (678 L) / CVXDrive: 163 gal. (617 L)						
Diesel Exhaust Fluid (DEF) Tank	26 gal. (99 L)						
CAB							
Cab Suspension	Standard						
Volume (Size) / Glass (Area) / Cab Sound Level	109.5 cu ft. (3.1 m³ / 68.5 sq. ft.) / 67 dBa						
WEIGHT							
Average Standard Weight	28,800 lb. (13 082 kg)	29,600 lb. (13 458 kg)	36,000 lb. (16 329 kg)	32,200 lb. (14 148 kg)	36,000 lb. (16 329)	32,200 lb. (14 148 kg)	36,000 lb. (16 329 kg)



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