CASE IH AGRICULTURE

MAGNUM™ AFS CONNECT™

250 - 400hp TRACTORS

AFS CONNECT

MODELS	MAGNUM 250	MAGNUM 280	MAGNUM 310	MAGNUM 340	MAGNUM 380	MAGNUM 400	MAGNUM 340 ROWTRAC	MAGNUM 380 ROWTRAC	MAGNUM 400 ROWTRAC
ENGINE									
Engine Type	Case IH FPT Tier 2								
Number of Cylinders / Type	6 / Turbocharged and Intercooled								
Engine Aspiration	Electronic High Pressure Common Rail WG (Waste Gate) with TIC	Electronic High Pressure Common Rail eVGT (Electronic Variable Geometry Turbo) with TIC							
Capacity (litres)	8.7								
Bore x Stroke (mm)	117								
Rated Power ECE R1201) (KW/hp(CV))	184 / 250	206 / 280	229 / 312	250 / 340	279 / 379	291 / 396	250 / 340	279 / 379	291 / 396
Rated Power ECE R1201) Power Management2) (kW/hp(CV))	210 / 286	232 / 315	255 / 347	276 / 375	305 / 415		276 / 375	305 / 415	
Rated Engine Speed (rpm)	2000								
Max. Power ECE R1201) (kW/hp(CV))	209 / 284	232 / 315	255 / 347	275 / 374	307 / 417	320 / 435	275 / 374	307 / 417	320 / 435
Max. Power ECE R1201) Power Management2) (kW/hp(CV))	235 / 320	258 / 351	281 / 383	301 / 410	320 / 435		301 / 410	320 / 435	
... at Engine Speed (rpm)	1800								
Max. Torque (Nm/rpm)	1229 / 1400	1381 / 1400	1531 / 1400	1671 / 1400	1850 / 1400	1850 / 1400	1671 / 1400	1850 / 1400	1850 / 1400
Max. Torque - Power Management2) (Nm/rpm)	1407 / 1400	1558 / 1400	1708 / 1400	1800 / 1400			1800 / 1400		
Torque Rise Standard	40%	40%	40%	40%	36%	31%	40%	36%	31%
Torque Rise Power Management	40%	41%	40%	37%	29%		37%	29%	
Fuel Tank (litres)	765						644		
ELECTRICAL									
Alternator / Battery	240 amp / 2 x 12-volt batteries								
Starting Power	12 Volt with solenoid switch								
TRANSMISSION									
18x4 PowerDrive 40kph	Optional	Optional	Standard	Standard	NA	NA	Standard	NA	NA
19x4 PowerDrive 40kph Eco or 50kph	Standard	Standard	Optional	Optional	NA	NA	Optional	NA	NA
21x5 PowerDrive 40kph or 50kph Eco	NA	NA	NA	NA	NA	Standard	NA	NA	Standard
CVXDrive transmission, continuously variable from	Optional	Optional	Optional	Optional	Standard	NA	Optional	Standard	NA
Powershuttle - Left and Right Hand	Standard								
Service brake	Hydraulically operated multiple wet disc brake, self adjusting								
AXLES									
Rear Axle Diameter (Standard / Optional) (mm)	115	115	115	115 - 127	127	127	NA	NA	NA
Rear Axle Length (Standard / Optional) (mm)	2490 / 3050	2490 / 3050	2490 / 3050	2490 / 3050	2491 / 3050	2492 / 3050	NA	NA	NA
Rear Axle Diff-Lock Type	Optional Electro-hydraulic								
Front Axle Category (Standard / Optional)	Cat.4.75 (Cat.5)		Cat.5						
Front Axle Adjustable Spacing (Standard / Optional) (mm)	1524 - 2235 / 1676 - 2388								

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AXIAL CONT.									
MFD / Rear Axle Duals	Optional						NA	NA	NA
Suspended Front Axle	Optional								
FOUR-WHEEL DRIVE AND STEERING									
Type	Electro-hydraulic with management system								
Steering angle (°)	55								
Min. Turning Radius @ Track Setting 1829 (mm)	5.45						6.1		
POWER TAKE OFF									
Engagement Type	Electro-hydraulic								
Speeds Standard / Option @1830rpm	540 -1000 / 1000 20 Spline Shaft								
Shaft type	1 3/8" 21 splines 1 3/8" 6 splines / 1 3/4" 20 splines								
HYDRAULIC SYSTEM									
System Type	Pressure Flow Compensating (PFC)								
Pump flow and system type main hydraulic Stand/Optional (l/min)	166 / 221 / 282								
System pressure (bar)	210								
Control type	Electronic Hitch Control (EHC) with hitch ride control, optional hydraulic top link and automatic stabilizers optional								
Rear Max. lift capacity (kg) Standard/Optional	6689 / 8259	6689 / 8259	11,700	11,700	10,929	10,929	11,700	10,929	10,929
Front Max. lift capacity (kg) Standard/Optional									
Max. number of remote valves Standard / Optional	Electronic Remote Valves standard, 5th and 6th optional - power beyond or low pressure return connection with individual remote valve timer and flow controls								
Max. number of mid mount valves with electronic joystick	3 electric								
Category type Standard / Optional	Cat III / IIN	Cat III / IIN / IV / IVN			Cat IV / IVN		Cat III / IIN / IV / IVN	Cat IV / IVN	
FRONT HITCH AND PTO									
Front PTO 1,000 Speed @ 1,804rpm	Optional								
Front hitch lift capacity [kg]	4,070								
WEIGHT									
Approx. shipping weight standard / suspended front axle [kg]	10,910 / 11,415	10,910 / 11,415	10,910 / 11,415	11,730 / 12,190	11,730 / 12,190	11,730 / 12,190	16,653 / 17,113	16,653 / 17,113	16,653 / 17,113
Permissible Total Weight Cat.4.75 / Cat.5 Front Axle [kg]	17,530 / 17,850	17,530 / 17,850	17,530 / 17,850	-18,000	-18,000	-18,000	24,500	24,500	24,500
Max. Permissible Weight Front Cat.4.75 / Cat.5 Front Axle [kg]	6,030 / 6,350	6,030 / 6,350	6,030 / 6,350	-7,760	-7,760	-7,760	-7,760	-7,760	-7,760
Max. Permissible Weight Rear (kg)	11,500	11,500	11,500	11,500	11,500	11,500	11,500	11,500	11,500

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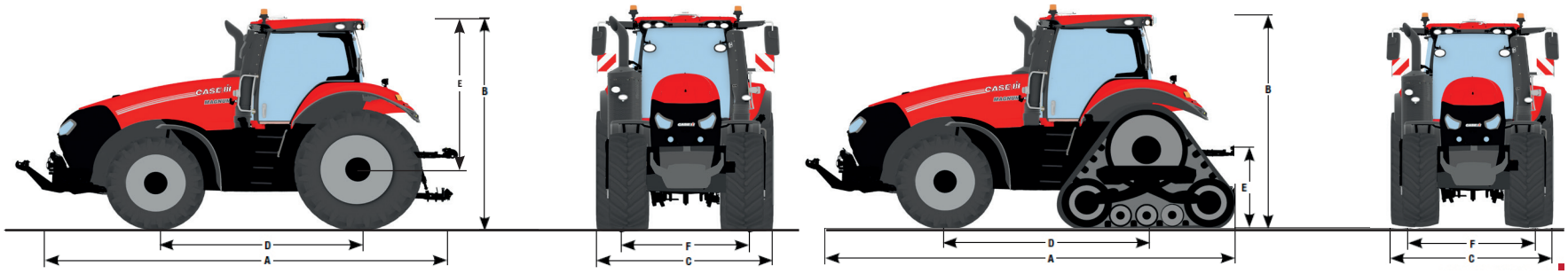
DIMENSIONS3)									
A: Approx. Total Length only Carrier / Front Hitch / Front Weights [mm]	6,015 / 6,295 / 6,225				NA	NA	6,299 / 6,575 / 6,505		
A: With Heavy Duty Rear Axle [mm]	NA	NA	NA	6,299 / 6,575 / 6,505			NA	NA	NA
B: Approx. Total Height (mm)	3,375								
C: Approx. Total Width (across Rear Fenders. Excluing Duals Wheels)	2,550						2,540 / 2,990		
D: Approx. Wheel base PowerDrive / CVXDrive / Cat.5 rear axle [mm]	3,055 / 3,105 / -	3,055 / 3,105 / -	3,055 / 3,105 / -	3,055 / 3,105 / 3,155	- / 3,155 / 3,155	3,155 / - / 3,155	NA	NA	NA
E: Height at centre of rear axle / highest point (mm)	2,471	2,471	2,471	2471 - 2475	2,475	2,475	2,475	2,475	2,475
F: Track Setting Front (mm)	2362 - 3454	2362 - 3454	2362 - 3454	2362 - 3454	2362 - 3454	2362 - 3454	2362 - 3454	2362 - 3454	2362 - 3454
F: Track Setting Rear (mm)	2540 - 3658	2540 - 3658	2540 - 3658	2540 - 3658	2540 - 3658	2540 - 3658	2540 - 3658	2540 - 3658	2540 - 3658
STANDARD TYRE									
Front	420/85R34	420/85R34	420/85R34	420/85R34	420/85R38	420/85R38	420/85R38	420/85R38	420/85R38
Rear	480/80R50	480/80R50	480/80R50	480/80R50	480/95R50	480/95R50	NA	NA	NA



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