Make	Case IH	Case IH
Model	Magnum 340 Tier 4B (2014)	Magnum 340 Rowtrac Tier 4B
Engine Performance		
Advertised Engine Power, Rated, hp (kW)	340 (254)	340 (250)
Maximum Engine Power, hp (kW)	410 (306)	410 (301)
Rated Engine Speed, rpm	2000	2000
Power Boost, hp (kW)	70 (52)	70 (52)
Fuel Tank capacity, gal (L)	168 (636)	175 (662)
Diesel Exhaust Fluid (DEF) tank capacity, gal (L)	23 (87)	23 (87)
PTO Performance		
PTO Horsepower, Basic / Optional Transmission, hp (kW)	290 (216)	290 (216)
PTO Speeds, rpm	1000 std; 540 / 1000 opt	540 / 1000
PTO operational Type (Independent; Live; Continuous)	Independent	Independent
Basic Engine		
Engine Make	Case IH FPT	Case IH FPT
Engine Model	8.7 L	8.7 L
Number of Cylinders	6	6
Displacement, cu in (L)	531 (8.7)	531 (8.7)
Engine Bore, in (mm)	4.61 (117)	4.61 (117)
Engine Stroke, in (mm)	5.31 (135)	5.31 (135)
Block Design, Replaceable Liners	Wet liners	Wet liners
Aspiration, Turbocharged or Naturally Aspirated	eVGT Turbocharged, Aftercooled	eVGT Turbocharged, Aftercooled
Fuel System		
Fuel System Description	High Pressure Common Rail	High Pressure Common Rail
Fuel System Control, Electronic or Mechanical	Electronic	Electronic
Fuel Injection to combustion chamber, Direct or Indirect	Direct	Direct
Emission and Exhaust Treatment		
Emission Level, US EPA Tier	Tier 4B / Final	Tier 4B / Final
Selective Catalytic Reduction (SCR) w/Diesel Exhaust Fluid (DEF)	SCR w/ DEF	SCR w/ DEF
Exhaust Gas Recirculation (EGR)	No	No
Cleanup Catalyst (CUC)	CUC standard	CUC standard
Diesel Oxidation Catalyst (DOC)	DOC standard	DOC standard
Diesel Particulate Filter (DPF)	No	No
Exhaust Pipe, Vertical stack or Horizontal	Vertical stack	Vertical stack
Cooling System		
Fan Drive Type	BorgWarner Visctronic	BorgWarner Visctronic
Electrical System		
System Rating, Volts	12	12
Alternator Rating, Amps	200	200
Basic Transmission Configuration		
Manufacturer's Description	19F/4R Powershift 25 mph/40 kph	18F/4R Powershift
Transmission Type	Full Power Shift	Full Powershift
Number of Forward / Reverse Speeds	19F / 4R	18F / 4R

Maximum Speed Forward, mph (kph)	25 or 30 (40 or 50)	25 (40)
Creeper Range Available	Optional	No
Shuttle (Forward-Reverse) Available	Yes	Yes
Optional Transmission 1		
Manufacturer's Description	CVT Economy 25 or 30 mph (40 or 50 kph)	CVT
Transmission Type	Continuously variable	Continuously variable
Number of Forward / Reverse Speeds	Infinite, 4F / 2R ranges	Infinite, 4F / 2R ranges
Optional Transmission 2		
Manufacturer's Description	23F/6R Powershift, 25 mph/40kph	No option
Transmission Type	Full powershift w/Creeper	No option
Number of Forward / Reverse Speeds	23F / 6R	No option
Wheel or Track Configuration		
Drive Wheels or Tracks; 2WD, 4WD, 2WD / 4WD, 2 Tracks or 4 Tracks	4WD	2 Rear tracks + 2 MFD front tires
Steering Configuration: Front Steer, Frame Articulated, or Track-type Steer	Front Steer	Front Steer
Rear Axle Assembly		
Final Drive Location and Description	Inboard / Planetary	Inboard Planetary
Axle Output End, Flange or Bar	Bar	Flange w/ drive sprocket
Axle Bar Diameter, in (mm)	4.5 (115)	No bar axle
Front Axle		
Suspended Front Axle Available	Optional	Optional
Brakes		
Service Brake Type	Wet disc	Wet disc
Hydraulic System		
Hydraulic System Type	Pressure-flow compensating (PFC)	Pressure-flow compensating (PFC)
Main Hydraulic Pump Type	Variable Displacement	Variable Displacement
Implement Pump Flow, gpm (Lpm)	44 (166)	44 (166)
Optional Pump Flow, gpm (Lpm)	59 (225) or 75 (282)	59 (224) or 75 (282)
Number of Standard Remote Valves	4 std; 5 or 6 opt	4 std; 5 or 6 opt
3-Point Hitch Features		
3-Point Hitch Category	Category 3 / 4N	Category 3 / 4N
Optional Hitch Category	Category 3 / 3N	No 3N setting w/quick coupler
Draft Sensing or Lift Control	Electronic, lower link	Electronic, lower link
Draft Link Ends Telescopic	Adjustable quick coupler	Adjustable quick coupler
3-Point Hitch Lift Capacity		
Standard Lift Capacity 24 Inches behind pin, lb (kg)	17,500 (7940) w/43" links, quick coupler	19,900 (9026), quick coupler
Optional Lift Capacity 24 Inches behind pin, lb (kg)	19,500 (8840) w/38" links, quick coupler	No 3N setting w/quick coupler
Standard Lift Capacity at lift pin, lb (kg)	np	np
Optional Lift Capacity at lift pin, lb (kg)	np	No option
Drawbar		
Drawbar Description	HD Adjustable, Category 4 std; 3 opt,	HD Adjustable, Category 4 std; 3 opt,
Wheelbase / Trackbase		
Wheelbase, 2WD, in (mm)	No 2WD	No 2WD

Wheelbase/Trackbase, MFD/4WD or Track, in (mm)	120 (3050) PS; 122 (3100) CVT	124 (3150)
Length		
Length, 2WD, incl. Hitch/Drawbar, in (mm)	No 2WD	No 2WD
Length, MFD/4WD or track, incl. Hitch/Drawbar, in (mm)	247 (6275) w/front weights	249 (6332)
Vertical Dimensions		
Height to Top of Cab, in (mm)	131.5 (3339)	136 (3450)
Height to Top of ROPS raised, in (mm)	No open ROPS	No open ROPS
Width w/Tires or Tracks		
Overall Width, with standard wheels or tracks, in (mm)	120 (3048) bar axle ends	93 (2362) min.; 182 (4623) max.
Weight (w/Tires or Tracks)		
Weight, 2WD w/ROPS, lb (kg)	No 2WD	No 2WD
Weight, MFD/4WD w/ROPS, lb (kg)	No open ROPS	No open ROPS
Weight, 2WD w/Cab, lb (kg)	No 2WD	No 2WD
Weight, MFD/4WD or Tracks w/Cab, without ballast, lb (kg)	29,600 (13458)	36,006 (16332) PS; 37,728 (17113) CVT
Weight, Total allowable, w/maximum ballast, lb (kg)	37,650 (17080) w/CVT & susp. front axle	39,150 (17760)
Tire / Track Size		
Front Tire Size, 2WD	No 2WD	No 2WD
Front Tire Size orTrack Width, MFD/4WD or Track	420/85, R34, R1W	IF420/85 R38 R1W
Rear Tire Size or Track Width	480/80 R50, R1W Duals	16, 18, 24 or 30 (406, 457, 610 or 762) Rubber Track
Sales Literature		
Literature Number	CIH12121301	CIH08051401
Literature Date	12/1/2013	8/1/2014
Secondary Literature Source		
Secondary Literature Number	--	47754918
Secondary Literature Date	--	9/1/2014
Other Documentation		
Document Number	TA-1342-13	TA-1414-14
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Status and Entry Dates		
Manufacturing Status, Current or Archive	Current	Current
First Entry Date	10/1/2013	9/1/2014
Revision Date	2/1/2014	10/1/2014

na = Not Applicable, np = Not Published

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