



# OPTUM<sup>®</sup>

## SPECIFICATIONS



AFS CONNECT OPTUM SPECIFICATIONS

**CASE IH**

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# FIRST-CLASS COMFORT PLUS INNOVATIVE TECHNOLOGY

**Advanced Farming Systems (AFS) Connect™** Optum® series tractors deliver muscle and horsepower in a fuel efficient, all-purpose tractor, that's needed for extensive roading and haulage — plus enhanced comfort for high-volume hay and forage operations. Case IH continues its legacy of delivering efficiency, productivity and innovation with this recent addition to its Optum tractor lineup. The newest features include enhanced operator comfort, integrated agronomic technology, increased visibility and lighting, as well as improved fuel efficiency.



## SUPREME COMFORT

- All Model Year 2022 Optum models feature suspended front axle and cab suspension along with a semi-active seat for a stable, comfortable ride.
- Features a 7.5 percent increase in cab space from previous Optum models with more storage compartments including an optional **cool box** for those long days in the cab.
- **Additional changes to the cab area include new, adjustable aluminum steps and a wider cab entry;** shatterproof, laminated front glass for noise reduction; and additional window tinting for a cool and comfortable workday.



## INTEGRATED TECHNOLOGY

- AFS provides a state-of-the-art solution that helps **efficiently complete the most precise farming tasks.**
- The new AFS Vision Pro operating system enables you to **configure precision farming functionality, tractor systems and connectivity with integrated solutions.**
- AFS Connect lets you **remotely monitor and manage your farm, fleet and data,** enabling you to optimize your performance, productivity and flexibility. Visualize your equipment and place information at your fingertips so you can successfully manage your operations anytime, anywhere.



## OUTSTANDING VISIBILITY

- **11 percent more glass,** along with a bigger windshield and wider doors plus a redesigned A-pillar display provide excellent visibility. Even with the increase in glass area, an improved A/C system helps the cab cool down 35 percent faster.
- Newly designed front windshield wiper is mounted low for increased visibility and features a larger cleaning area.
- **Up to 4 cameras** can be connected to the AFS Pro 1200 display to easily detect front or rear obstructions.

## IMPROVED LIGHTING

- **Up to 22 LED field lights**, projecting 66,000 lumen power, provide enhanced 360 degree visibility to improve work during the night.

	STANDARD LIGHTING	OPTIONAL LIGHTING
Hood Work Lights	6 Halogen	6 LED
Belt Line Work Lights	2 LED	4 LED
Rear Fender Work Lights	2 LED	
Cab Roof Mounted Work Lights	8 LED	10 LED
Road Lights	2 LED Hood Mounted	2 LED Hood + 2 LED High Mounted

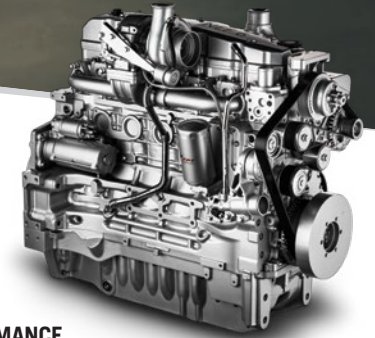


## EXTENDED SERVICE INTERVALS

- Model Year 2022 Optum series tractors feature the latest **Case IH Hi-eSCR2 emissions technology** for longer service intervals — 750 hours for engine oil and 1,500 hours for transmission fluid — resulting in reduced downtime and lower maintenance costs.

## OUTSTANDING FUEL EFFICIENCY

- The four-range CVXDrive™ continuously variable transmission helps the Optum reach top road speeds at lower engine RPMs.
- The unique Case IH split throttle design and Automatic Productivity Manager (APM) helps **maintain peak fuel efficiency** by coordinating engine speed with the ideal transmission ratio.



## SAME RELIABLE PERFORMANCE

- The proven 6.7-L engine is built to produce power for the toughest field conditions and the structural sump and reinforced material can handle anything an operation will put this engine through.
- The engine and emission design requires **no regeneration and no aftertreatment maintenance.**

MODEL	OPTUM 270 CVXDRIVE	OPTUM 300 CVXDRIVE
<b>POWER</b>		
Type	6-cylinder, Tier 4 B/Final–Stage V	
Engine HP <sup>1</sup>	271	300
Maximum Engine HP <sup>2</sup>	290	313
PTO HP <sup>3</sup>	240	267
Displacement	6.7 L (411 cu. in.)	
Number of Valves	4 per cylinder, 24 total	
Aspiration	Electronic variable geometry turbocharger (eVGT)	
<b>ELECTRICAL</b>		
Alternator (Standard / Optional)	200 amp / 250 amp	
Battery	12-volt, 1,300 cca	
<b>TRANSMISSION / PTO</b>		
Standard	30 mph (50 KPH) CVXDrive	
Creepers Speeds @ Rated Engine RPM	Minimum target speed–98 feet per hour (0.03 kph / 0.018 mph)	
PTO Speed	540/540E/1000/1000E electronic shifttable	
<b>AXLES</b>		
Standard Rear Axle	119 in. bar	
Rear Axle Options	112 in. bar	
Bar Axle Diameter	4.125 in. (105 mm)	
Suspended Front Axle	Standard	
Rear Axle Tread Adjustability	60.6–124.8 in. (1 540–3 170 mm)	
MFD Tread Adjustability	60.1–121.7 in. (1 526–3 090 mm)	
Wheelbase–Standard & Suspended Front Axle	117.3 in. (2 995 mm)	
<b>HYDRAULICS / HITCH</b>		
Type	Closed center, pressure flow compensating (PFC)	
Remotes–Electronic (Standard / Optional)	4/5; plus power beyond–option	
Main Implement Pump Max Flow	43.5 gpm (165 L/min.) or 58.9 gpm (223 L/min.)	
Standard Tractor Hydraulic Total Flow	36.7–55.5 gpm (139–210 L/min.)	
Max Flow Available At One Remote	36.9 gpm (140 L/min.)	
3-point Hitch Category	Cat 3 telescopic ends or Cat 4N telescopic ends	
Hitch Lift Capacity (Max)–Standard, 4.72 in. (120 mm) Diameter Lift Cylinders	26,526 lb. (12 032 kg) <sup>4</sup>	
Hitch Lift Capacity (Whole Range)	24,378 lb. (11 058 kg) <sup>4</sup>	
Mid-Mount Valve–Optional	1 or 3 valves available	
<b>CAPACITIES</b>		
Fuel Tank	158.7 gal. (601 L)	
Diesel Exhaust Fluid (DEF) Tank	25.4 gal. (96 L)	
Engine Oil with Filter	20 qt. (19 L)	
Hydraulic Fluid	39 gal. (148 L)	
<b>CAB</b>		
Cab Suspension	Standard	
Glass Area	63.2 sq. ft. (5.9 m <sup>2</sup> )	
Cab Sound Level	65 dba	
<b>WEIGHT</b>		
Average Standard Weight With Standard front Axle	24,603 lb. (11 160 kg) – Configuration: 710/75 R42 rear tires, 650/60 R34 front tires, bar axle, front three point linkage without front PTO, 25% fuel level	

<sup>1</sup>At Rated 2,200 rpm ISO per ECE R120 (CV) <sup>2</sup>At 1,800 rpm ISO per ECE R120 (CV) <sup>3</sup>At Rated 2,100 rpm per SAE <sup>4</sup>Measured at ball ends



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