

OPTUM™ SERIES TRACTOR SPECIFICATIONS

CASE IH
AGRICULTURE



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MODEL	OPTUM 270 CVT	OPTUM 300 CVT
POWER		
Type	Tier 4 B/Final with SCR-only technology (Selective Catalytic Reduction)	
Engine HP at Rated 2,200 rpm ISO per ECE R120 (CV)	271	300
Maximum Engine HP at 1,800 rpm ISO per ECE R120 (CV)	290	313
PTO HP at Rated 2,100 rpm* per SAE	240	270
Cylinders / Displacement	6 cylinder / 6.7L (411 cu in.)	
Number of Valves	4 per cylinder, 24 total	
Aspiration	Electronic variable geometry turbocharger (eVGT)	
ELECTRICAL		
Alternator Standard / Optional	200 amp	
Battery	12-volt, 1300 cca	
TRANSMISSION / PTO		
Standard (Base)	25 mph (40 KPH) Eco CVT	
Optional	30 mph (50 KPH) CVT	
Creep Speeds @ Rated Engine RPM	Minimum target speed – 98 feet per hour (0.03 kph / 0.018 mph)	
PTO	540/540E/1000/1000E electronic shifttable	
AXLES		
Standard Rear Axle	119 in. bar	
Rear Axle Options	98 or 112 in. bar or flange	
Bar Axle Diameter	4.125 in. (105 mm)	
Suspended Front Axle	Standard	
Rear Axle Tread Adjustability	60.6 in. – 124.8 in. (1 540 – 3 170 mm)	
MFD Tread Adjustability	60.1 in. – 121.7 in. (1 526 – 3 090 mm)	
Wheelbase – Standard & Suspended Front Axle	117.3 in. (2995 mm)	
HYDRAULICS / HITCH		
System Type	Closed center, pressure flow compensating (PFC)	
Remotes – Electronic, Standard / Optional	4/5; plus power beyond – option	
Main Implement Pump Max Flow	43.6 gpm (165 L/min.) or 58 gpm (220 L/min.)	
Standard Tractor Hydraulic Total Flow	37.0 – 55.5 gpm (140 – 210 L/min.)	
Max Flow Available @ One Remote	37.0 gpm (140 L/min.)	
3-point Hitch Category	Cat 3 telescopic ends or Cat 4N telescopic ends	
Hitch Lift Capacity – Standard, 4.72 in. (120 mm) diameter lift cylinders	Up to 19,180 lbs. (8 700 kg) lift capacity	
Mid-Mount Valve – Optional	1 or 3 valves available	
CAPACITIES		
Fuel Tank	166 U.S. gal. / 630 L	
Diesel Exhaust Fluid (DEF) Tank	25.4 gal. / 96 L	
Engine Oil with Filter	20 qt. / 19 L	
Hydraulic Fluid	39 U.S. gal. / 148 L	
CAB		
Cab Suspension	Standard	
Glass Area – Including Optional Hi-Vis Roof	63.2 sq. ft. (5.9 m ²)	
Cab Sound Level	70 dba	
WEIGHT		
Average Standard Weight w/ Standard front Axle	23,149 lbs. (10500 kg) - based on the standard tractor, with 18.4R50 tires and minimal fuel; without front weight bracket or operator	

*Power boost available during mobile PTO/hydraulics/transport operation.

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