

# FARMALL® 105V TRACTOR SPECIFICATIONS

**CASE IH**  
AGRICULTURE



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PRODUCT SPECIFICATIONS

SPECIFICATIONS	Farmall 105V
<b>ENGINE</b>	
Type	4-cycle, diesel
Make/Model	FPT/F5C, Tier 3 emissions rating
Cylinders/Aspiration	4/Turbocharged & Intercooled
Displacement	274 cu in. (4.5 L)
Horsepower	Gross – 95/PTO – 82
Block Type	Parent Bore
Rated Speed RPM	2,300
Torque Rise	35%
Maximum Torque	293 lbs.-ft. (398 Nm) @ 1300 rpm
<b>FUEL AND AIR SYSTEMS</b>	
Injection Pump	Bosch VE, rotary
Injection Type	Direct
Fuel Filter Type/Service Interval	Dual stage with water/sediment separator/600 hours
Fuel Tank Capacity	19.3 gal. (73.06 L)
Air Filter Type	Dry, Dual Element
Muffler	Under hood
Exhaust Outlet	Under right side of operator's station
<b>TRANSMISSION</b>	
Standard/Optional	16 x 16 with mechanical shuttle/16 x 16 with power shuttle
Clutch Type/Size (Mechanical)	Dry, 11 in. (280 mm) dia., heavy-duty cerametallic material
Clutch Type/Size (Electro-hydraulic)	Wet, six plates, 5.2 in. (133 mm), organic material
Maximum Speed	18.6 mph (30 kph)
<b>FRONT AXLE</b>	
2 WD – Steering Angle	57 degrees
FWD – Front Differential Lock	Fully locking, electro-hydraulic engaged
FWD – Steering Angle	55 degrees
<b>ELECTRICAL</b>	
Battery	12 volt (800 cca)
Alternator	120 amp
Cold Start	Grid Heater
<b>HYDRAULIC SYSTEM</b>	
System Type	Open Center
System Pressure	2,755 psi (190 bar)
Implement Pump Flow	17.2 gpm (65 L/Min)
Steering & Services Pump	9.2 gpm (34.8 L/Min)
Remote Valves	2 std./3 opt. (with flow control)
Draft Control	Mechanical
Upper/Lower Limit Setting	Lift-O-Matic
3-Pt. Hitch Lift Capacity (24" behind lift point)	4,045 lbs. (1 835 kg)

\* Measurements may vary depending on tire size

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<b>REAR PTO</b>	
Standard	540/1,000 rpm, mechanical with hydraulic servo-assist
<b>TURNING RADIUS</b>	
2WD – without brakes	9.8 ft. (3 m)
FWD – without brakes	112.2 ft. (3.4 m)
<b>WEIGHTS (APPROX) – WITH 380/70/R20 TIRES</b>	
2WD without cab	5,307 lbs. (2 407 kg)
2WD with cab	5,580 lbs. (2 531 kg)
FWD without cab	5,878 lbs. (2 666 kg)
FWD with cab	6,151 lbs. (2 790 kg)
<b>DIMENSIONS – PLATFORM DECK WITH CAB OR ROLLBAR</b>	
Wheelbase – 2WD	85.3 in. (2 166 mm)
Wheelbase – FWD	85.8 in. (2 180 mm)
Tire Track Widths*	
Front 2WD	34 in. (864 mm) – 42.4 in. (1 076 mm)
Front FWD	34.3 in. (871 mm) – 41.3 in. (1 049 mm)
Rear	31.1 in. (791 mm) – 49.6 in. (1 261 mm)
Minimum Overall Width with 380/70/R24 tires	42.5 in. (1 080 mm)
Height to Top of Rollbar with 380/70/R20 tires	88.6 in. (2 250 mm)
Height to Top of Dash with 380/70/R20 tires	50.8 in. (1 290 mm)
Height to Top of Cab with 380/70/R20 tires	84.6 in. (2 148 mm)

## Features

- Designed to fit perfectly between vineyard rows
- Minimum width between 42.5 inches and 49.0 inches (depending on tire size)
- Minimum overall height of 51 inches to get through tight rows
- Plenty of lugging power with 4.5L turbocharged and intercooled engine
- Cab isolation mounting provides a smooth comfortable ride for operators
- Convenient 16×16 power or mechanical shuttle transmission

