

CASE II
AGRICULTURE

PUMA®
SERIES TRACTORS







PUMA SERIES TRACTORS

6 Models | 150–240 HP | 125–210 PTO HP

NEVER COMPROMISE POWER FOR VERSATILITY.

When it comes to farm equipment, you shouldn't have to choose between power or versatility. With Case IH Puma series tractors, you get efficient, multipurpose workhorses designed with the right size and power to handle a variety of tasks on livestock, dairy and mixed crop operations. Powered by Case IH FPT engines with proven SCR-only Tier 4 B/Final technology, Puma series tractors deliver big iron power, technology and performance. Optional CVXDrive technology and loader-ready packages maximize efficiency, versatility and flexibility. Plus, the comfortable and easy-to-use operator environment provides premium high-horsepower features to help you power through long days and nights. Get the right size and power you need with the versatility you want – Puma.

PUMA SERIES TRACTORS

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BIG POWER AND PERFORMANCE IN A VERSATILE, MID-SIZE TRACTOR.

150–240 (peak 165–260) engine horsepower: From mower conditioner, baler or loader work to pulling mid-size row crop tools, Puma series tractors deliver the right size and power to handle a variety of applications on livestock, dairy and mixed crop operations.



ADAPTABLE TO YOUR DEMANDS.

Puma series tractors are built for flexibility and adapt to handle multiple tasks. These workhorses are ideal for:

- Mixed crop, livestock and dairy operations
- Loader applications
- Haymaking
- Mid-sized row crop applications
- Mowing
- Hauling
- Vertical feed mixer wagons

PICK YOUR LEVEL OF POWER AND PERFORMANCE.

Available in six models, Puma series tractors come loaded with power and innovations to handle the demands of mixed crop, livestock and dairy operations. Whether you need the agility of the Puma 150–165 tractors for livestock chores, hay, and utility work, or the longer wheelbase and higher horsepower of Puma 185–240 tractors for crop and heavy duty loader work, there's a Puma model for you.

PRECISION FARMING INTEGRATION.

Puma series tractors provide an integrated precision farming solution with factory-installed Advanced Farming Systems (AFS) or AFS-complete options. The optional AFS Pro 700 display allows you to monitor and control key equipment functions, including:

- Vehicle and/or implement data monitoring
- AFS AccuGuide™ autoguidance
- Advanced end-of-row technology
- Boundary and vehicle performance mapping
- ISOBUS Class 3 compatible implements



INTUITIVE INNOVATIONS THAT INCREASE PRODUCTIVITY.

Case IH engineers work together with producers in the field to design intuitive and simple innovations. The result: easy-to-use performance advantages that simplify your job.



CVXDRIVE TRANSMISSION OPTION.

The continuously variable transmission (CVXDrive) is designed to provide smooth, seamless changes through varying conditions without torque interruption. Select the target speed, and the transmission automatically adjusts to deliver the desired speed and match load conditions.

The active stop feature provides a powered neutral that prevents tractor movement, even with fully loaded trailers on steep slopes. This feature is also useful when attaching implements to the hitch, in round baling, during loader work, and for chores that require frequent starting and stopping.

ABS BRAKE OPTIONS.

The anti-lock braking system (ABS) allows you to apply brakes with maximum force while maintaining steering and control. The Advanced ABS braking option includes a feature that automatically integrates single wheel braking into the steering process in the field – minimizing turning radius with minimal soil impact. Its hill-holder feature assists on hill starts and is especially useful for haulage operations.

BETTER VISIBILITY.

Redesigned roof cap provides protection against sun glare and rain, and includes LED work lights for greater visibility. The Puma SurroundVision cab offers unobstructed vision in all directions, including a high-visibility roof panel with optional opening window.

Light Package	Standard	Optional
Roof-mount LED (work)	8 (4 front and 4 rear)	10 (4 front and 6 rear)
Hood-mount halogen (transport)	2	2
Hood-mount halogen (work)	2	2
Hood-mount xenon HID (work)*		1
Grab rail-mount LED (work)		2
Rear post-mount LED (work)		2

Optional transport lighting package available containing 2 additional high-mount, low-beam road lights which are ideal for Puma series tractors with a loader arm attachment with a front loader or front implement.

* Long Wheel Base Models Only

COMFORT THAT SUSTAINS EARLY MORNINGS THROUGH LATE NIGHTS.

The Puma operator environment is designed for comfort and ease of use to make every day as productive as possible - even when it starts before sunrise or stretches past sunset.



CAB SUSPENSION.

Optional Puma cab suspension packages offer superior operator comfort on the road and in the field by reducing shock loads to the operator. An optional heated Positive Response seat is equipped with a seat suspension that reacts 500 times a second. Plus, the suspended front axle option automatically self-levels according to loads. Together, these features provide a smooth, comfortable ride while giving you more precise control of the tractor.

ACTIVE FRONT AXLE SUSPENSION.

Optional active front axle suspension helps increase productivity and cover more acres in a work day with improved ride comfort and better traction. Experience less pitching when traveling with mounted implements or maneuvering a loader. Automatic self-leveling adjusts to each load.

SEAT OPTIONS.

Choose from four seat package options, all designed for maximum comfort.

- The Standard Comfort package features low-frequency air suspension seat with a fabric cover and manual armrest adjustment.
- The Deluxe Fabric or Leather Comfort package features a low-frequency suspension and dynamic dampening system with automatic shock absorbers. The seat is heated and passively ventilated, and the backrest extension swivels for increased comfort and rear visibility.
- The Active Leather Comfort package combines active suspension, a dynamic dampening system, and active air pressure to make adjustments automatically for in-field or roading. The seat holds you in a neutral position even in rough terrain. It features active ventilation and heat, and has automatic weight adjustment, making for a more comfortable ride.

MULTICONTROL ARMREST.

All Puma series models feature the innovative functionality and easy operation of the MultiControl Armrest, the same advanced technology found on Case IH Magnum and Steiger series tractors. The MultiFunction Handle places 85% of controls operators use most at their fingertips, allowing the operator to stay focused on the task while reducing fatigue and stress.

CVXDRIVE SPLIT-THROTTLE CONTROL.

Puma series tractors feature an exclusive split-throttle design that allows the operator to select working speed or rpms. The CVXDrive automatically selects the most efficient transmission range for the desired speed or load, eliminating the need for manual clutching or shifting.

The simplicity of Case IH CVXDrive technology makes it ideal for less experienced operators to maintain peak efficiency in all field conditions and applications.



Puma CVXDrive cab shown.

- A** **Instructional Seat:** Ideal when training new operators or the seatback folds down to provide a work surface. *(shown folded down)*
- B** **Single-Piece Molded Floor:** Easy-to-clean floor covering reduces noise and vibration.
- C** **Tilt and Telescopic Steering Column:** Adjustable to suit any size operator.
- D** **Storage Compartments:** Standard front storage box is semi-refrigerated by the console vent.
- E** **Adaptive Steering Control (ASC):** custom lock to lock steering wheel turns through Pro 700 display.
- F** **High Visibility Roof Window/Panel:** Adds 4.5 square feet of upward visibility – ideal for loader operation.
- G** **Integrated Control Unit (ICU):** *(A-post Instrumentation)* Shows key tractor performance with programmable display options.
- H** **Right-Hand Door:** Fully opening and operational, with sole access from inside.
- I** **Optional AFS Pro 700:** Fully integrated display for performance monitoring, machine & implement control, guidance, yield monitoring and application and rate control.
- J** **MultiFunction Handle (MultiController and CVXDrive Models):** Simplifies operation by placing 85-90% of the controls operators use most in one hand.
- K** **Foot Throttle:** Standard equipment.
- L** **MultiControl Armrest:** Provides access to all tractor controls and moves with the seat.
- M** **Optional Electronic Joystick:** Operates loader, front or rear remotes, configuration dependent.

PROVEN POWER AND PERFORMANCE TO TACKLE EVERY JOB.

Puma series tractors feature world-class engine design innovations developed in collaboration between Case IH and FPT engineers. The result: unbeatable power, fuel efficiency, reliability and service life.



A BOOST WHEN YOU NEED IT.

Power boost delivers additional engine horsepower – up to 25 hp – for driving at high speeds or on steep grades during road transport, for mobile PTO operations, and to meet hydraulic demands while in motion.

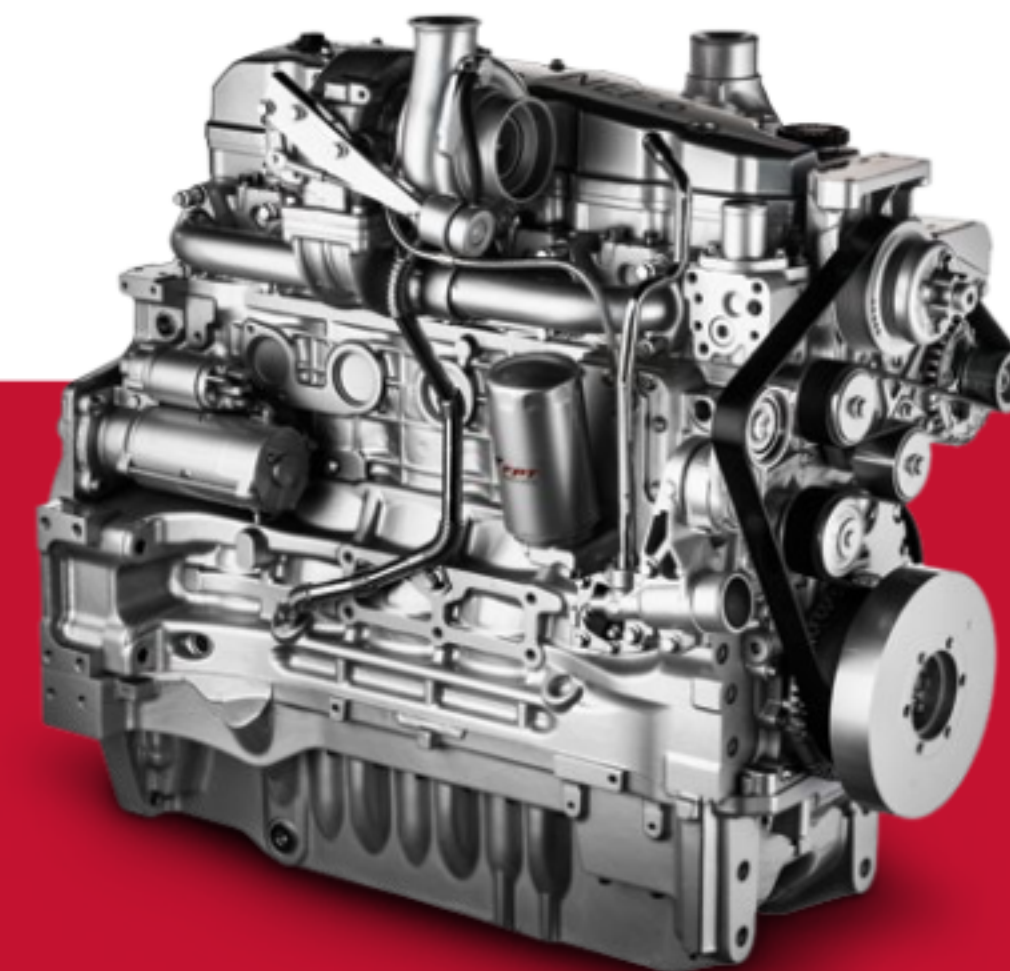
HIGH-PRESSURE COMMON RAIL FUEL SYSTEM.

Puma series tractors feature a high-pressure common rail fuel system to provide peak engine performance no matter what the demand. Efficient and more complete fuel combustion provides more power, faster throttle response, better fuel economy, less noise, and lower exhaust emissions.

MORE POWER AND BETTER FUEL ECONOMY.

SCR-only Tier 4 B/Final emissions system is a true exhaust after-treatment using diesel exhaust fluid (DEF). Clean and simple, the system maximizes horsepower because it is separate from the engine. This design provides better fuel economy and improved engine durability.





6-cylinder engine

DETAILS THAT MAKE A DIFFERENCE.

All Puma series tractors operate with a Case IH FPT 6.7-liter, 6-cylinder, turbocharged, aftercooled engine. Inlet and exhaust manifolds are positioned on opposite sides of the Puma cross-flow cylinder head, allowing the use of large inlet and exhaust ports for optimum air/fuel mixing and combustion.

SAVE TIME AND MONEY.

CVXDrive technology and patented Diesel Saver™ Automatic Productivity Management (APM) system work together to maximize productivity and fuel savings. CVXDrive technology automatically selects the best gear ratio for your desired speed, delivering the ideal balance of power and fuel efficiency. In the process, Diesel Saver automatically works to reduce engine speed and fuel use when you don't need power.

READY FOR ANY JOB.

Case IH Puma series tractors are available loader-ready from the factory and are engineered to let you move loads with less effort. Choose from a wide variety of buckets, attachments and implements to turn your Puma into a versatile workhorse.



MOVE MORE WITH LESS EFFORT.

Puma series tractors feature intuitive innovations designed to make a long day of loader work easier.

- Sculpted hood improves visibility and maneuverability.
- Pressure Flow Compensating (PFC) lead-sensing hydraulic system ensures responsive control.
- MultiControl Armrest and optional electro-hydraulic joystick puts key controls at your fingertips.

THE RIGHT TOOL FOR THE JOB.

Puma series tractors use a wide variety of buckets, attachments and implements, including:

- Standard and heavy-duty buckets with optional grapple arms are ideal for loader or silage work
- Bale spears, forks and grips for productive bale management
- 3-point linkage, cutters, bag lifters, ballasts and pallet forks for general chore work
- Scrapers to maintain and expand acreage, and refine water management

QUICK-LOCK SYSTEM.

The spring-loaded automatic latch design keeps pins with the loader—no loose pins or parts to go missing when attaching the loader. Plus, built-in safety mechanisms maximize simplicity and dependability.

L705 SERIES LOADERS.

■ L765 Quick Specs: for Puma® 150–220 tractors.

- Lift capacity max height @ pivot pins: 6,173 lbs. (2800 kg)
- Boom breakout force @ pivot pins: 6,909 lbs. (3134 kg)
- Raise time to full height (No load): 4.1 seconds

■ L775 Quick Specs: for Puma® 185–240 tractors.

- Lift capacity max height @ pivot pins: 6,195 lbs. (2810 kg)
- Boom breakout force @ pivot pins: 7,253 lbs. (3290 kg)
- Raise time to full height (No load): 3.9 seconds

MAXIMIZE YOUR TIME BEHIND THE WHEEL WITH MINIMAL TIME UNDER THE HOOD.

Puma series tractors are engineered with rugged Case IH components proven to provide years of reliable service. Case IH quality replacement parts, maintenance programs and service expertise are designed to boost equipment efficiency and protect your investment – season after season.



MAINTENANCE THAT'S QUICK, EASY AND AT EYE LEVEL.

Check engine and transmission oil without raising the hood. Plus, radiator and coolers fold out for easy cleaning. Take care of all fluids at once with a 600-hour service interval. You can expect high performance, reliability and long life when you choose these Genuine Case IH products:

- **No. 1 Engine™** oils provide maximum protection, performance and life for heavy-duty, high-temperature operations.
- **Hy-Tran® Ultraction™** hydraulic/transmission oil promotes machine efficiency and life by supporting consistent power-transmitting qualities across a wide range of operating temperatures.

GENUINE CASE IH FILTERS.

Genuine Case IH filters offer the same convenient 600-hour service interval. They meet precise engineering, material and manufacturing specifications for Puma series tractors.

- **Oil Filters with MicroLoc™** synthetic media are 70% more efficient in filtering critical contaminants as compared to paper-based filters.
- **Air Filters with PowerCore®** deliver up to 3x more efficiency than conventional filters – capturing particles 1/10th the diameter of a human hair.
- **Hydraulic Filters** deliver an optimum balance of efficiency and capacity with 48% more dirt-holding capacity.*
- **Fuel Filters with MicroLoc** synthetic media deliver high-efficiency filtration in the toughest environments and an increased service life.

SERVICE SOLUTIONS.

The **Ready Stock locker** program alerts your Case IH dealer to stock the maintenance parts he knows you'll need in advance. Your dealer also provides special service solutions to help keep your Puma series tractor in peak condition, including:

- Special inspection clinics
- Service offers
- Industry-leading warranties
- Preventative maintenance programs

MY SHED™ AND MY SHED MOBILE APP.

Machine Management, Parts Manuals, 24/7 Dealer Connection, Toolboxes and Machine Info all available at your fingertips.



* Results from a field test of CNH filter (84226263) versus competitive filter (ISO 16889).

MODEL	PUMA 150	PUMA 165	PUMA 150 CVXDRIVE	PUMA 165 CVXDRIVE
POWER				
Engine Type	Tier 4 B/Final with SCR-only technology (Selective Catalytic Reduction)			
Engine HP at Rated 2,100 rpm ISO per ECE R120 (CV)	150	165	150	165
Maximum Engine HP at 1,800 rpm ISO per ECE R120 (CV)	165	180	165	180
Engine Maximum Boosted* HP at 1,800 rpm ISO per ECE R120 (CV)	175	189.9	175	189.9
PTO HP at Rated 2,100 rpm† per SAE	125	140	125	140
Cylinders / Number of Valves / Displacement	6 cyl. / 4 valves / 6.7 L (411 cu in.)			
Engine Aspiration	Turbocharged / air to air intercooled			
ELECTRICAL				
Alternator (Standard / Optional)	150 amps / 200 amps			
Battery	12 volt—1,300 CCA			
TRANSMISSION/PTO				
Transmission (Standard / Option 1 / Option 2)	18F×6R 25 mph (40 kph) PowerDrive/ 19F×6R 25 mph (40 kph) PowerDrive/ 19F×6R 30 mph (50 kph) PowerDrive		25 mph (40 kph) continuously variable transmission (CVXDrive) / 30 mph (50 kph) continuously variable transmission (CVXDrive) / N/A	
Creeper Speeds @ Rated Engine RPM	Minimum target speed—1,083 feet per hour (.20 mph / .32 kph)		Minimum target speed—66 feet per hour (0.012 mph / 0.02 kph)	
PTO	540 / 1,000 rpm 1⅜ in. reversible shaft			
AXLES				
Standard Rear Axle	Flange—8 studs			
Bar Axle Diameter	3.625 in. (92 mm)			
Rear Axle Lengths (Standard / Optional)	98 in. (2 489 mm) / 112 in. (2 845 mm)			
Suspended Front Axle	Optional			
Rear Axle Tread Adjustability	60.2 in.—88 in. (1 528—2 235 mm)			
MFD Tread Adjustability	61.4 in.—88.8 in. (1 560—2 256 mm)			
Wheelbase (Standard / Optional)	107.6 in. (2 734 mm) / 109.8 in. (2 789 mm) suspended front axle			
HYDRAULICS/HITCH				
System Type	Closed center, Pressure Flow Compensating (PFC)			
Remotes (Standard / Optional)	3 mechanical / 4 mechanical—3, 4 or 5 electrohydraulic			
Main Implement Pump Max Flow†	29 gpm (110 L/min.)		37 gpm (140 L/min.) - standard / 42 gpm (160 L/min.) - optional	
Steering-Secondary Pump	17 gpm (65 L/min.)			
Standard Tractor Hydraulic Total Flow	29.8 gpm (110 L/min.)		50 gpm (190 L/min.)	
Max Flow Available @ One Remote (Mechanical / Electronic)	25 gpm (95 L/min.) / 26.5 gpm (100 L/min.)			
Rear 3-point Hitch Category (Standard / Optional)	Cat II / Cat II-IIIIN			
Rear Hitch Lift Capacity (Max) (90 mm Standard / 100 mm Optional / 110 mm Optional)	12,965 lbs. (5 880 kg) / 16,006 lbs. (7 260 kg) / 19,368 lbs. (8 785 kg)			
Front Hitch Shaft Size and PTO Speed	1⅜ in. (85 mm), 6-spline, 1,000 rpm @ 1,895 engine rpm			
Mid-Mount Valve	2 or 3 Function			
CAPACITIES				
Standard Fuel Tank	69.7 gal. (264 L)			
Diesel Exhaust Fluid (DEF) Tank	14.8 gal. (56 L)			
Engine Oil with Filter	16 U.S. qt. (15 L)			
Hydraulic Fluid	18 U.S. gal. (75 L)			
CAB				
Cab Suspension	Optional			
Glass Area / Cab Sound Level	63.2 sq. ft. (5.9 m²) / 70 dBa			
WEIGHT				
Average Standard Weight†† lb. (kg) w/ Standard Front Axle	13,900 lbs. (6 305 kg)		14,500 lbs. (6 577 kg)	

*Power boost available during mobile PTO/hydraulics/transport operation. † 2,200 rpm for road transport and hydraulic work, limited @ 2,100 rpm for PTO and low range transport

†† Average Standard Weight is based on the standard tractor, w/18.4R42 and front weight bracket without operator and minimum fuel.

MODEL	PUMA 185	PUMA 200	PUMA 220	PUMA 185 CVXDRIVE	PUMA 200 CVXDRIVE	PUMA 220 CVXDRIVE	PUMA 240 CVXDRIVE
POWER							
Engine Type	Tier 4 B/Final with SCR-only technology (Selective Catalytic Reduction)						
Engine HP at Rated 2,100 rpm ISO per ECE R120 (CV)	180	200	220	180	200	220	240
Maximum Engine HP at 1,800 rpm ISO per ECE R120 (CV)	200	220	240	200	220	240	260
Engine Maximum Boosted* HP at 1,800 rpm ISO per ECE R120 (CV)	225	245	260	225	245	260	270
PTO HP at Rated 2,100 rpm† per SAE	150	170	190	150	170	190	210
Cylinders / Number of Valves / Displacement	6 cyl / 4 valves / 6.7 L (411 cu in.)						
Engine Aspiration	Turbocharged / air to air intercooled						
ELECTRICAL							
Alternator (Standard / Optional)	150 amps / 200 amps						
Battery	12 volt – 1,300 CCA						
TRANSMISSION/PTO							
Transmission (Standard / Option 1 / Option 2)	18F×6R 25 mph (40 kph) PowerDrive / 19F×6R 25 mph (40 kph) PowerDrive / 19F×6R 30 mph (50 kph) PowerDrive			25 mph (40 kph) continuously variable transmission (CVXDrive) / 30 mph (50 kph) continuously variable transmission (CVXDrive) / N/A			
Creeper Speeds @ Rated Engine RPM	Minimum target speed – 740 feet per hour (0.14 mph / 0.022 kph)			Minimum target speed – 98 feet per hour (0.018 mph – 0.03 kph)			
PTO (Standard / Optional)	540 / 1,000 rpm 1¾ in. interchangeable shafts / 1,000 – 1,000E electronic shifttable & 540E / 1,000 interchangeable shafts						
AXLES							
Standard Rear Axle	112 in. (2 845 mm)						
Bar Axle Diameter	4.125 in. (105 mm)						
Rear Axle Lengths (Standard / Optional)	98 in. (2 489 mm) / 119 in. (3 022 mm)						
Suspended Front Axle	Optional						
Rear Axle Tread Adjustability	60.2 in. – 88 in. (1 528 – 2 235 mm)						
MFD Tread Adjustability	61.4 in. – 89 in. (1 560 – 2 258 mm)						
Wheelbase	113.6 in. (2 884 mm)						
HYDRAULICS/HITCH							
System Type	Closed center, Pressure Flow Compensating (PFC)						
Remotes (Standard / Optional)	3 mechanical / 4 mechanical – 3, 4 or 5 electrohydraulic			3 electrohydraulic / 4 or 5 electrohydraulic			
Main Implement Pump Max Flow† (Standard / Optional)	31.7 gpm (120 L/min.) / 39.6 gpm (150 L/min.)			39.6 gpm (150 L/min.) / 44.9 gpm (170 L/min.)			
Steering-Secondary Pump	17 gpm (65 L/min.)						
Standard Tractor Hydraulic Total Flow	46.8 gpm (178 L/min.)			56.6 gpm (214 L/min.)			
Max Flow Available @ One Remote (Mechanical / Electronic)	25 gpm (95 L/min.) - mechanical / 26.5 gpm (100 L/min.) - electronic			29 gpm (110 L/min.) - electronic			
Rear 3-point Hitch Category (Standard / Optional)	Cat II / IIIN						
Rear Hitch Lift Capacity (Max) (90 mm Standard / 100 mm Optional / 110 mm Optional)	9,450 lbs. (4 286 kg) / 12,000 lbs. (5 400 kg) / 14,500 lbs. (6 500 kg)						
Front Hitch Shaft Size and PTO Speed	1¾ in. (85 mm), 6-spline, 1,000 rpm @ 1,895 engine rpm						
Mid-Mount Valve (Optional)	2 or 3 Function						
CAPACITIES							
Standard Fuel Tank	104.3 gal. (395 L)						
Diesel Exhaust Fluid (DEF) Tank	12.7 gal. (48 L)						
Engine Oil with Filter	16 U.S. qt. (15 L)						
Hydraulic Fluid	22 U.S. gal. (82 L)						
CAB							
Cab Suspension	Optional						
Glass Area / Cab Sound Level	63.2 sq. ft. (5.9 m²) / 70 dBa						
WEIGHT							
Average Standard Weight†† lb. (kg) w/ Standard Front Axle	15,900 lb. (7 212 kg)			16,800 lb. (7 620 kg)			

*Power boost available during mobile PTO/hydraulics/ transport operation. † 2,200 rpm for road transport and hydraulic work, limited @ 2,100 rpm for PTO and low range transport

†† Average Standard Weight is based on the standard tractor, w/18.4R42 and front weight bracket without operator and minimum fuel.

SAFETY NEVER HURTS!™ Always read the Operators Manual before operating any equipment. Inspect equipment before using it, and be sure it is operating properly. Follow the product safety signs, and use any safety features provided. CNH Industrial America LLC reserves the right to make improvements in design and changes in specifications at any time without notice and without incurring any obligation to install them on units previously sold. Specifications, descriptions and illustrative material herein are as accurate as known at time of publication, but are subject to change without notice. Availability of some models and equipment builds varies according to the country in which the equipment is used.

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