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More from the land. More from yourself. More from your equipment. Which is why we also demand more. More powerful engines. More productivity-boosting features. More approachable and knowledgeable dealers. We demand more to better serve you and the needs of your operation. Let's face it. Goals change. Needs change. The world changes. But the number of hours in the day never does. That's why we've developed an efficient, multi-purpose tractor line with just the right amount of power for both row-crop and livestock applications – the Puma[™] Series Tractors. They're reliable. They're durable. They're fuel efficient. They're Puma.

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PRODUCT OVERVIEW	4-5
CAB ENVIRONMENT	6-7
OPERATOR CONTROLS	8-9
AFS - PRECISION FARMING	10-11
ENGINE	12-13
TRANSMISSION AND PTO	14-15
DRIVING COMFORT	16-17
HYDRAULIC SYSTEM	18-19
SERVICEABILITY	20
CUSTOMER SUPPORT	21
SPECIFICATIONS	22-23

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TAKE A WALK AROUND.

The new Puma[™] tractor series is all about efficiency. With five models, ranging from 142 to 224 horsepower (CV), Puma tractors provide the right amount of power for primary tillage, cultivation, planting and transport. Whether it's spring or autumn work or pulling trailers, the Puma tractors' outstanding power-to-weight ratio will deliver the precise power you need for top efficiency and fuel savings.



ADJUSTABLE MULTICONTROLLER ARMREST.

The Multicontroller armrest is ergonomically perfect and includes a **fully integrated** ... joystick for control of tractor hydraulics.

CASE



···· CVT TRANSMISSION.

Ease of operation and high mechanical input for unrivaled fuel efficiency.



POWER MANAGEMENT.

Power Management provides up to 37 additional horsepower and field PTO application for road transporting and PTO applications.







The ergonomic cab delivers an unobstructed 360-degree panoramic view. **The A-post instruments and** -**optional performance monitor** keep important functions and vehicle performance data centrally located.

·· INCREASED EFFICIENCY. HIGHER RETURNS.

19th Economy 40 kph @ 1,650 rpm gear enhances fuel efficiency, productivity and minimises noise at top road speeds.



·· OPTIONAL ACTIVE FRONT AXLE SUSPENSION.

The system continuously monitors terrain changes and reacts in conjunction with hitch settings, brake status, throttle position, and more to create a neutral handling environment.

MODEL CASE IH PUMA SERIES	ENGINE POWER UNBOOSTED RATED HP(CV)/KW @ 2,200 RPM	ENGINE POWER BOOSTED MAX. HP(CV)/KW @ 1,900-2,200 RPM
Puma 140	142 / 104	178 / 131
Puma 155	158 / 116	193 / 142
Puma 180 (CVT optional)	182 / 134	234 / 172
Puma 210	213 / 157	242 / 178
Puma 225 CVT	224 / 165	251 / 185

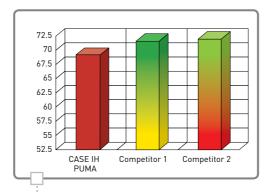
MORE CONTROL. LESS FATIGUE.

Unsurpassed sight lines, ergonomic controls and operator-friendly features highlight the highly evolved Puma tractor cab. Designed with operator comfort and productivity in mind, this best-in-class cab features Surround Vision with 5.87 square metres of glass, including the optional high-visibility cab roof window for unobstructed views in all directions. Long days in the field are less taxing with easy-to-reach, adjustable armrest controls.Key tractor controls are integrated into the seat armrest for instant access, including an optional integrated electro-hydraulic joystick for ergonomic loader operation. The front right A-Post instrument cluster keeps important operating information within your sight line for less wear on you.



ADJUSTABLE ARMREST CONTROLS.

Adjustable controls including gear, throttle and hitch controls, are attached to the seat armrest for easy access in any seat position. An optional electrohydraulic joystick,with two or three function, adjoins the armrest controller for added loader convenience.





IN CAB SOUND LEVEL. 3 db(A) less means half of the sound pressure.

An A-Post instrument cluster with an optional performance monitor tracks important functions and data for convenient at-a-glance monitoring.

SURROUND VISION™ CAB TECHNOLOGY.

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Spacious Surround Vision cab features curved glass, low noise level and an unobstructed view of your surroundings. Optional remote-adjustable and heated electric mirror option lets you change side views at the touch of a button. Automatic climate control option lets you select the perfect temperature for continuous comfort. G

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ERGONOMICALLY POSITIONED CONTROLS.

Multicontroller[™] armrest, with the ICP intuitive control panel plus AFS Pro 300 or AFS Pro 700 touch screen monitor, integrate all the tractor's functions into the armrest. Here you have everything you need in one place: speed selection, direction changes, throttle, Headland Management Control with up to 30 programmable headland operations, electronic remote valves and front & rear hitch controls and much more. With a clear view of the instrument displays on the right-hand A post, the Puma provides an operator-friendly environment that gets even a novice driver working effectively on day one.

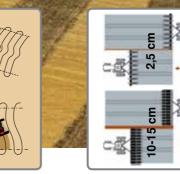




- 1 Constant engine speed or Headland Management Control 2 EHC linkage raise/lower 3 Remote valve control Power Shuttle 4 5 Gear ratio Up Shift or Down Shift 6 AFS Pro 300[™] touch screen monitor 7 Remote valve controls 8 Hydraulic motor mode and timer buttons 9 Joystick for remote valves 10 ICP[™] Intuitive Control Panel 11 Constant engine speed 12 ECO Fan 13 Auto Field and Auto Road 14 Manual and Auto 4WD/Diff-Lock 15 Front axle suspension lock 16 Auto PTO
- 17 Slip Control 18 Headland Management Control 19 Hitch Ride Control 20 AccuGuide (if equipped) 21 EHC Position Control 22 EHC Draft control 23 EHC linkage raise/lower 24 Front PTO on/off 25 PTO on/off 26 PTO speed selector 27 Slip Control 28 Encoder to adjust timer and flow control 29 Front linkage upper limit control 30 Linkage upper limit control 31 Linkage drop rate control
 - 32 Draft sensitivity control

AFS - ADVANCED FARMING SYSTEMS.

The Puma and Case IH AFS Advanced Farming Systems provide the basis for fully automated precision farming with on the move data mapping and autoguidance steering, saving you time, money and effort year after year.



- ACCUGUIDE $^{m{ extbf{R}}}$ AUTOMATIC STEERING SYSTEMS.

AFS

Factory Fitting a Case IH AFS AccuGuide[®] to your Puma will provide you with fully integrated Automated Guidance improving your productivity, cutting your input costs and saving you time; money and effort year after year.

Allowing you to choose **the accuracy level best suited to your** **requirements**; choose your Case IH AFS AccuGuide[®] with 10-15 cm (with OmniStar Correction) or 2,5 cm (with RTK Correction)

AFS PRO 700 MONITOR.....

The Case IH AFS Pro 700 is a 26.4 cm colour touch screen display and is used to monitor and/or control Case IH vehicles, Guidance Systems; Case IH implements, ISO11783 implements and 3rd party controllers; record data (As-Applied), or prescription plant, etc. for Precision Farming Applications.

Featuring: LightBar Only Mode (No Nav II controller or steering valve required); Three Video Inputs; USB port; RS232 port for data.

FUEL SAVINGS. DURABLE PERFORMANCE.

The new-generation common rail tier 3 engine features outstanding fuel economy and long-lasting durability. Rated from 142 to 224 horsepower, all five Puma tractors are built with high performance Case IH engines to deliver a reliable source of power. High pressure common rail diesel technology combined with electronic fuel management ensures cost-effective operation for all farming applications. To ensure both power and efficiency, Puma tractors are equipped with a four-valve 6.7 litre turbocharged, intercooled, low-emission diesel engine. They supply their maximum torque at engine speeds as low as 1400 rpm in draft applications and 1600 rpm in PTO and transport applications when Power Management is active. The engine is designed to generate maximum power at 1800 - 2000 rpm. We also provide you with a constant power range of up to 600 rpm so work rates can be maintained with lower engine speed, less noise and more efficiency.

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ENGINE

RELIABLE PERFORMANCES.

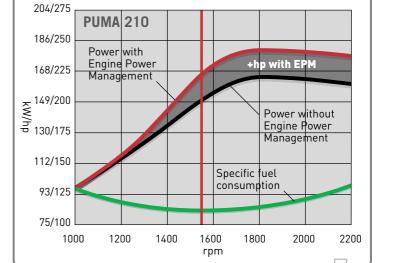
Service Intervals of 600 hours are the longest in the industry saving you time and money. Optional SEPAR fuel filter can be factory installed to provide additional protection against low quality fuel and to ensure prolonged engine service lifespan.

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Common Rail fuel system delivers precise quantities of fuel to meet your demands of fuel economy and performance. Constant Engine Speed allows the engine speed to be programmed to 2 different values for specific applications, be it pto, draft or hydraulic operations the speed will be constant regardless of load.





CONSTANT POWER RANGE.

Constant Power range means you have the same performance at 1600 rpm as at rated speed, this allows you the opportunity to relax, throttle back and reap the benefits of increased fuel efficiency without compromising on productivity. Maximum Torque of 984 Nm allows you to relax and let the Puma pull you through.

ENGINE POWER MANAGEMENT.

Engine Power Management delivers up to an additional 37 hp. This is up to 22% additional performance and is available in road transport, hydraulic and pto applications. Power Growth of up to an additional 18 hp(CV) means you have an additional 10% performance available simply by throttling back to 1900/2000 rpm.

SMOOTH SHIFT QUALITY FOR OPTIMUM PERFORMANCE.

Your Puma features a transmission and pto engineered to easily cope with the awesome output of the engine, putting you in control of the power. Puma 140-210 are available with an 18 x 6 transmission which is 40 kph or an optional 19 x 6 transmission of 40 kph, at reduced engine rpm (approx 1700). The Puma range now also features the revolutionary Continuously Variable Transmission. It is offered as an optional on the Puma 180 & 210, and as standard on the flagship Puma 225.

Puma 140-210 are fitted as standard with 540E/1000 rpm PTO speeds. The Puma 225 CVT is fitted with a 1000/1000E rpm PTO speeds. for special applications it can be upgraded to a 4 speed PTO (540/540E/1000/1000E rpm). This unique option is also available on Puma 180 CVT and Puma 210 as well. Drive is direct from the engine flywheel for maximum efficiency. Should you require, a 1000 rpm front PTO is available for extra versatility.



The Multicontroller lever



AUTOMATIC SHIFTING.

they will be fast.

AutoField and AutoRoad modes optimize the

transmission and provide automatic shifting based

on load for increased productivity and fuel savings.

Gear shifts are smooth because they are based on

load. Small loads and shifts will be slow, large and



PTO is operated at 1893 engine rpm or at 1569 engine rpm in **Economy**

rpm

1400 1600 1800 2000

1000

800

1000 1200

kW/hp

186/250 168/225

149/200 130/175 112/150 93/125 75/100

2200



Full Powershift transmission,: provides seamless smooth shifting from zero to 40 or 50 kph. Optional CVT transmission for improved fuel consumption and operator comfort. Creeper gears offer an additional 10 speeds from 225m/h to 1.6 kph @ 2,200 rpm.

The Puma PTO management system automatically disengages power to the implements as soon as they are raised, re-engaging when the hitch is lowered again. Designed to protect implement driveshafts and reduce operator fatigue, it can also be programmed into the headland management. Soft Start PTO gradually increases torque to ensure a smooth startup and to protect implement drive shafts. Easy PTO speed selection from inside the cab using the optional Electrical Speed Selector ESS.

CASE II



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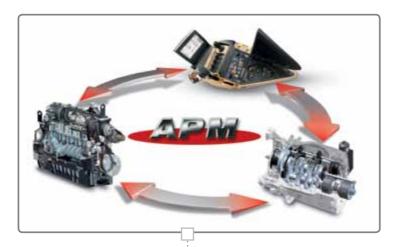


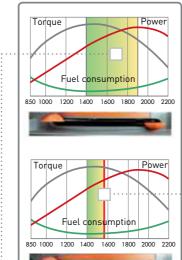
PUMA CVT: SIMPLICITY PUT IN MOTION.

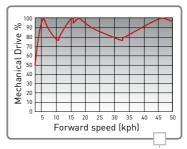
Over the last 200 years Case IH has lead the revolution in agricultural, mechanization.our drive has always been to increase the productivity and efficiency of our customers. Today, Case IH still continues to lead this revolution with pioneering cvt transmission technology, available on the Puma 180 and 225 models. Case IH launched its first CVT tractor in 1999 featuring the industry leading Auto Productivity Management (APM). This feature managing automatically the engine and the transmission revolutionazed the way to drive a tractor and lead to the development of CVT in Europe. The development of the Puma CVT has taken place over the last 5 years with the input of our dealers and over 500 key technological leading farmers & contractors worldwide, helping us to define the key features of the Puma CVT. The result is a CVT tractor of second generation benefiting from proven components and upgraded with the latest technology to achieve best in class productivity, efficiency and driving comfort.

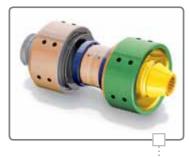
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The CVT transmission is designed to maximize efficiency and reduce fuel consumption. The transmission features the Doppel Kupplung Technologie DKT[™] (Double Clutch Technology). This Double clutch allows us to use only 2 clutch packs in combination with 4 ranges, delivering the optimum ratio between the hydraulic and mechanical drives in all applications, maximising transmission efficiencies.









APM SYSTEM.

Set up your speed trough the Travel Pedal or the Multicontroller Lever, the APM is looking after the rest... The Puma CVT features the simplest Drive Lever on the market place (combine harvester system).

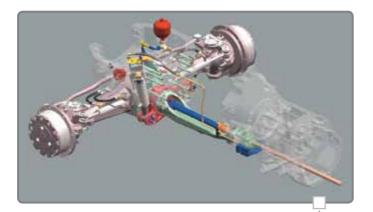
Multicontroller Drive Logic. All controls gathered on the armrest and intuitively positioned to improve productivity and comfort. All Hitches, PTO, spool valves are controlled from the armrest. ECO Drive[™], the intuitive way to save even more fuel. To give absolute priority to fuel efficiency you can customize the ······ working range of the APM system. The Puma CVT transmission with its 4 ranges always keep the ratio of mechanical drive very high to maximize efficiency. Your heavy draft, fast drilling or houlage is covered with over 90% mechanical drive and this with no interruption of drive! Doppel Kupplung Technologie ····· DKT™ (Double clutch technology) enables smooth gear changes with no interruption in the flow of power. This results in better acceleration and better fuel efficiency.

MAXIMUM POWER TO THE GROUND.

Puma tractors give you power and the capability to control it with ease. In addition to the traction management system, your Puma tractor can be equipped with a range of front axle features to improve steering, braking and safety both on the road and around the yard. Four wheel drive and differential lock management is provided on all Puma models. With controls to switch between manual and automatic mode, the operator is able to harness true traction with both mounted and trailed equipment.

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OPTIONAL ACTIVE FRONT AXLE SUSPENSION.

Front suspension is available as option on all models, improving ride comfort at the same time as providing more control. Less pitching is experienced when travelling at speed with mounted implements, or manoeuvring with a loader. It has 105 mm of travel and damping is then controlled via an advanced accumulator and regenerative valve system for a smoother ride. It also has automatic self-levelling according to load.

CONSTANT POWER RANGE.

Due to the compact engine dimension, Puma tractors have an extremely tight turning radius. **Dynamic Fenders give these tractors an additional 30% in steering angle** for superb handling characteristics. Min. turning radius 5.45 m - Puma 140, 155 6.10 m - Puma 180, 210, 225 Auto 4WD and Diff lock disengage and engage automatically e.g. on tight corners, when braking and depending on hitch position and forward speed. **Pneumatic or hydraulic trailer brakes are** **available** for working with large trailers.

PUMA FOR PRECISION POWER.

The hydraulic system on a Puma gives you outstanding power with precise control. The powerful hitch is designed to make things as straightforward as possible for the operator. The closed centre load sensing system delivers the power and flow needed for tomorrows implements today. All Puma tractors feature advanced electronic draft control. This system is easy to operate and very effective.



HITCH RIDE CONTROL.

The control is a shock damping system to reduce bounce and improve stability of heavy implements during transport.



POWERFUL REAR HITCH.



PUMA SERIES TRACTORS SIMPLIFY MAINTENANCE.

The Puma tractors are designed to provide unobstructed accessibility. Whether you're monitoring key tractor performance data from inside the cab or checking filters and fluids from ground level, Puma design makes it easy to maintain your equipment and protect your investment.

Minimum scheduled

maintenance e.g. engine oil can be checked and topped up without lifting the hood. Long service intervals with up to 600 hours of service.

New swing-out coolers and radiator are easy to reach and simple to clean, with no tools required.



Rear-pivot front-release hood is supported by gas-filled cylinders, making it easy to raise.

> **Transmission oil sight gauge** makes monitoring transmission fluid level fast and easy.

Easy daily checks and cleaning with maintenance points located at ground level.

MORE THAN TRACTORS TO WORK FOR YOU: WE'VE GOT PEOPLE TO WORK WITH YOU.

When you buy a Case IH machine, you can be sure not only that you're buying the best product, but also that you've got the best dealer back-up behind you. Case IH dealers can offer advice on selecting the right machine, will ensure they deliver what you need when you need it, and will then continue to back you and your equipment with the service and spare parts backing you'd expect from a name as trusted as Case IH.

SKILLED BUSINESS ADVISOR AT YOUR DEALERSHIP DEMAND MORE FROM YOUR CASE IH DEALERSHIP.

Purchasing a standalone piece of new equipment? Keeping a whole fleet up-to-date? Whatever your size of operation, contact your local Case IH dealership for professional advice on your business needs. Case IH knows your farming needs best.

OF YOUR INVESTMENT.

Case IH and its dedicated dealer network provide excellent support when you take delivery of your new machine and whilst it remains in your ownership. On the farm, you can rely on trained service professionals to maintain the productivity of your investment.

OUR WORK, INVESTMENT AND EQUIPMENT. ALWAYS CHOOSE CNH INDUSTRIAL GENUINE PARTS.

Protect the value of your investment. Behind every Case IH product stands an extensive parts logistics organisation, stocking parts for products both old and new. Choosing to fit genuine Case IH parts will maintain the safety, value and performance of your original investment.

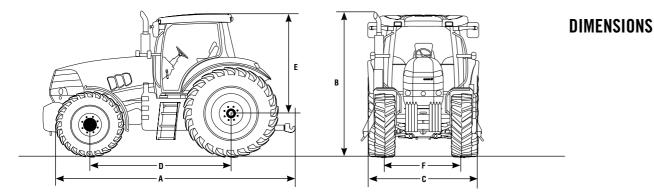






MODELS	PUMA 140	PUMA 155	PUMA 180	PUMA 210	PUMA 225		
ENGINE							
Number of cylinders / type	6 turbo, intercooled			6 turbo, wastegate			
Capacity (litres)	6.7	6.7	6.7	6.7	6.7		
Bore x stroke mm	104 X 132	104 X 132	104 X 132	104 X 132	104 X 132		
Rated power ECE R120 ³⁾ (kW/hp(CV))	104 / 142	116 / 158	134 / 182	157 / 213	165 / 224		
Rated power ECE R120 ³⁾ Power Management (kW/hp(CV))	123 / 167	135 / 183	160 / 218	175 / 238	181 / 247		
Rated engine speed (rpm)	2200	2200	2200	2200	2200		
Maximum power ECE R120 ³⁾ (kW/hp(CV))	112 / 152	124 / 169	147 / 200	164 / 223	169 / 230		
Maximum power ECE R120 ³⁾ Power Management (kW/hp(CV))	131 / 178	142 / 193	172 / 234	178 / 242	185 / 251		
at engine speed (rpm)	1900 - 2000	1900 - 2000	1900 - 2000	1900 - 2000	1800		
Maximum torque (Nm/rpm)	643 / 1400	690 / 1400	844 / 1400	866 / 1400	950 / 1400		
Maximum torque - Power Management (Nm/rpm)	678 / 1600	748 / 1600	938 / 1600	984 / 1600	1025 / 1500		
Torque rise Standard / Power Management (%)	42 / 27	37 / 28	45 / 35	27 / 30	32/30		
Fuel tank (litres)	300	300	410	410	410		
TRANSMISSION							
18x6 Semi- / Full Powershift 40 kph	0/●	0/●	-/•	-/●	-/-		
19x6 Semi- / Full Powershift Economy 40 kph @ reduced rpm	0/0	0/0	-/0	-/0	-/-		
19x6 Semi- / Full Powershift 50 kph	0/0	0/0	-/0	-/0	-/-		
CVT 40 kph Economy @ reduced rpm	-	-	0	-	•		
CVT 50 kph economy @reduced rpm	-		0	_	0		
Creeper	0	0	0	0	•		
Rear axle diff-lock type	O O O Multi disc wet plate with management system						
Service brake		Нус	raulically operated multiple wet disc brake, se				
FOUR-WHEEL DRIVE AND STEERING		- Inju	induited multiple wet use brake, se				
Type			Electro-hydraulic with management syste	m			
Front axle suspension	0	0	• Active	O Active	O Active		
Steering angle (°)	55	55	55	55	55		
	5.45	5.45	6.1	6.1	6.1		
Min. turning radius ¹⁾ track setting 1829 mm (m) POWER TAKE OFF	5.45	5.45	0.1	0.1	0.1		
	Electro-hydraulic with Auto PTO control available						
Type	E 40/E 40E /	1000 [40/1000					
Speeds Standard / Option	540/540E/1000 or 540/1000		540E/1000 or 540/1000				
Engine speeds Standard / Option (rpm)	1969/1546/2120 or 1969/2120		1569/1893 or 1893/1950		1893/1614		
Shaft type	1 3/8" 21 splines / 1 3/8" 6 splines		1 3/8" 21 splines 1 3/8" 6 splines /				
Front PTO with 1000 rpm	0	0	0	0	0		
HYDRAULIC SYSTEM	110 050 /	110 050 /		100 / 150 050	150 (170 050		
Max. pump flow Standard/Optional and system type main hydraulic (I/min)		113 PFC / -	120 / 150 PFC - 150/170 PFC on CVT	120 / 150 PFC	150 / 170 PFC		
System pressure (bar)	210	210	215	215	215		
Control type EHC with ride control	0007 / 0057	0007 / 0057	0047 (10400	0047 / 10400	10400		
Max. lift capacity (kg) Standard/Optional	6687 / 8257 6687 / 8257 8647 / 10460		8647 / 10460	10460			
Max. number of remote valves Standard / Multicontroller	4 mechanical or 4 electronic with 5 electronic available on 165-210				5 electronic		
Max. number of mid mount valves with electronic joystick	3 electr.	3 electr.	4 electr.	4 electr.	4 electr.		
Category type	Cat II / III	Cat II / III	Cat. III	Cat. III	Cat. III		
Front hitch lift capacity (kg)	3568	3568	3900	3900	3900		

MODELS	PUMA 140	PUMA 155	PUMA 180	PUMA 210	PUMA 225
WEIGHT					
Minimum weight (kg)	5400	5600	6850	6850	7200
Permissible total weight (kg)	10500	10500	13000	13000	13000
Max. permissible weight front (kg)	4900	4900	6000	6000	6000
Max. permissible weight rear (kg)	7800	7800	9500	9500	9500
DIMENSIONS ¹⁾					
A: Total length (mm)	4449	4449	4916	4916	5017
B: Total height (mm)	2985	2985	3040	3100	3100
C: Total width (across rear fenders with 150 mm extension) (mm)	2682	2682	2682	2682	2682
D: Wheel base (mm) Standard/with front axle suspension	2734 / 2789	2734 / 2789	2884	2884	2884
E: Height at centre of rear axle / highest point (mm)	2180	2180	2240	2240	2240
F: Track setting front (mm)	1560 - 2256	1560 - 2256	1552 - 2269	1552 - 2269	1538 - 2260
rear (mm)	1470 - 2294	1470 - 2294	1524 - 2438	1524 - 2438	1530 - 2230
STANDARD TYRES ²⁾					
Front	480/70R28	480/70R28	480/70R28	540/65R28	600/65R28
Rear	580/70R38	580/70R38	580/70R38	650/65R38	650/65R42



SAFETY NEVER HURTS!TM Always read the Operator's 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.

This literature has been published for worldwide circulation. The standard and optional equipment and the availability of individual models may vary from one country to the next. Case IH reserves the right to undertake modifications without prior notice to the design and technical equipment at all times without this resulting in any obligation whatsoever to make such modifications to units already sold. Whilst every effort is made to ensure that the specifications, descriptions and illustrations in this brochure are correct at the time of going to press, these are also subject to change without prior notice. Illustrations may show optional equipment or may not show all standard equipment.

Case IH recommends ARCELA Iubricants.

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