

FARMALL U PRO



CASE IH
AGRICULTURE





EFFICIENCY YOU CAN RELY ON: EFFICIENT SYNERGY

AFTER MORE THAN 170 YEARS WE REMAIN TRUE TO OUR VISION OF PROVIDING THE FARMERS OF TOMORROW WITH AGRICULTURAL MACHINERY THAT IS ALWAYS AN INNOVATIVE, RELIABLE AND PROFITABLE INVESTMENT

For more than 170 years Case IH has played a major role in shaping agriculture, with legendary brand names that include Case, International Harvester and David Brown. As the inventor of the power take-off, Axial-Flow single rotor threshing and the hydraulic reversing gear, and as the pioneer of the continuously variable transmission, the Case IH heritage goes on. The pioneering vision of our forebears remains at the heart of every Case IH product to this day. It is with the same passion that we develop and produce agricultural machinery in Europe and across the world. The Case IH tractors in operation are testament to our dedication to meeting and exceeding the expectations of farmers around the globe.

This wealth of experience has given us the opportunity to listen to you and design products that deliver precisely what you need. Our drive for innovation has led us to devise advanced technological solutions to constantly drive up our machines' performance and productivity whilst making them easy to use and increasingly profitable. We strive tirelessly for perfection, achieving high quality in everything, down to the smallest detail. We demand of ourselves and our dealers the same high level of quality in the service we provide together to our customers. Our network of 391 dealers, 679 dealer branches and sub-dealers and 1377 Case IH service centres in Europe is your guarantee of personalised and professional service. That is how we work and earn the trust of our customers.

THE PERFECT INTERACTION THAT DELIVERS MORE: FUEL ECONOMY, EASY OPERATION, PERFORMANCE

The Case IH Farmall U PRO delivers a performance that is bigger than the sum of its parts. The newly developed 32 x 32 Powershift transmission and aligned FPT 4-cylinder engine work together in perfect synergy to deliver more than just a powerful driving performance. The Efficient Synergy concept gives the perfect support in every working situation due to the optimised interaction of the individual components, with a powerful performance, the lowest fuel consumption you could possibly imagine, and the easiest and most comfortable operation.

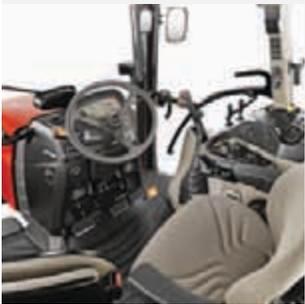
MODELS	Rated power ECE R120 ¹⁾ @ 2,200rpm (kW/hp(CV))	Maximum torque ECE R120 ¹⁾ @ 1,500rpm (Nm)	Capacity (cm ³)	Number of cylinders
Farmall 95 U PRO	73 / 99	407	3,400	4
Farmall 105 U PRO	79 / 107	444	3,400	4
Farmall 115 U PRO	84 / 114	457	3,400	4

¹⁾ ECE R120 correspond to ISO 14396 and 97 / 68 / EC or 2000 / 25 / EC

THE FARMALL U PRO RANGE STRONG, ROBUST AND TAILOR-MADE

WORK IN PREMIUM COMFORT AND WITH EFFICIENT POWER WITH THE FARMALL U PRO RANGE TRACTORS

An extensive range of options including front loaders, front linkage, front pto, additional hydraulic configurations and tyre choices means Farmall U PRO tractors will arrive fully equipped and ready to work. In addition, cab versions can be customised with performance monitors and ISO connector to enable data transfer between tractor and implement to suit the intended implements or task.



THE COMFORT ZONE

With a low noise level of just 72db (A), full air conditioning* and controls that are placed to ensure easy operation, the cab of the Farmall U PRO offers a superb operator environment. Easy-to-read, steering column-mounted instrumentation, cab suspension*, an easily adjustable and comfortable driver's seat and a comfortable passenger seat that folds out of the way take the stress out of the longest working day.



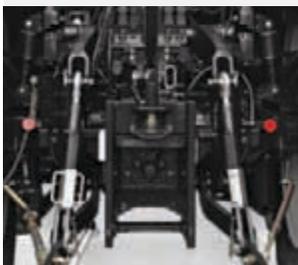
PUTTING YOU IN CONTROL

The Farmall U PRO cab features 'surround' vision from unsurpassed sight lines, courtesy of full-length glass doors, broad front and rear windows and an opening cab roof window for best-in-class loader visibility. The result is unobstructed views in every direction.





* options, depends on market specifications



POWERED BY EFFICIENCY

Proven FPT engines with common rail fuelling technology and exhaust after-treatment meet Stage IIIB emissions legislation. They provide more torque and quicker acceleration, with constant maximum power available between 1,900 and 2,200rpm.

ADVANCED DRIVELINE

Farmall U PRO models are equipped as standard with an efficient, effective 32x32 four-speed Powershift transmission, with 40kph Eco capability at 1,750 engine rpm. The power curve is perfectly matched to the 4-speed PTO (540/540E/1,000/1,000E), delivering the power required whatever task the tractor is charged with, from hay turning to heavy-duty power harrowing.

ABLE TO HANDLE THE HEVIEST DEMANDS

An EHC (Electronic Hitch Control) is standard. With a choice of up to four rear and two mid-mounted hydraulic remote valves, hydraulic flow can be directed as required to control a wide range of equipment. At the rear linkage, there is maximum 5,600kg (OECD) of lifting power with two external rams. Choose either the standard pump for 60l/min (OCLS) or the optional 100l/min (CCLS) version for high delivery capacity.

GIVE YOUR BUSINESS A LIFT

The Farmall U PRO is available loader-ready from the factory, complete with a loader sub-frame that includes rear axle reinforcement, electrical connector, electrical or mechanical mid-mount valves and quick coupler. A steering column-mounted shuttle lever makes for safe and predictable manoeuvring during loader work in farmyard or field and on tight headland turns.

CAB SUSPENSION

The new optional cab suspension system improves ride comfort, reduces operator fatigue and allows full productivity to be maintained throughout even the longest working day. With 59mm of spring travel, the new Case IH system has been optimised to provide full suspension without increasing overall cab height.





QUIET, CALM AND COMFORTABLE A WORKPLACE DESIGNED FOR OPTIMUM PERFORMANCE

As soon as you take a seat in a Farmall U PRO cab, you'll see the difference that innovative Case IH design and Austrian build quality bring to this power bracket. The Farmall U PRO has been developed entirely at our St. Valentin factory, where the tractors are also manufactured.

PREMIUM PACKAGE

Case IH engineers believe drivers of tractors in this power class deserve the same cabin comforts as those enjoyed by operators of larger machines. Sit down in the Farmall U PRO suspended cab and the first thing you'll detect is the premium seating, then turn the key, and you'll notice how much work has gone into muting engine noise and vibration.

SOLID BUILD

Operate any of the Farmall U PRO's fingertip controls – such as the improved Multicontroller, the joystick for electronic remote valves and others that are grouped on the new right-hand console – and you'll find they fall easily to hand, with a quality feel and positive action.

COMFORT ZONE

Ten air outlets on the steering console allow drivers to create a comfortable working environment according to the season. Optional factory-installed air conditioning ensures a cool operating environment and rapid demisting whatever the outside temperature.

SEE ALL AROUND YOU

Look around and you'll see how visibility has been improved in every direction – through the sides, to the rear, down the bonnet line, even above, with a roof window to aid loader operation.

TURN NIGHT INTO DAY

For working at night or inside unlit buildings, there's a full package of worklights including LED lights. Front and rear roof mounted for loader work, grabrail mounted for general duties and engine hood corner positioned to lead the way.



OPTIMAL OPERATION: THE MULTICONTROLLER

In combination with the engine and transmission controls, the new Multicontroller provides easy and intuitive handling. For example, activate AUTO-shift mode at the push of a button.

ADVANTAGES

- operation of the tractor with just one hand
- individual setting of gear switch points between 1,000 and 2,000rpm thanks to dual hand-throttle
- easy and clear operation minimises user errors and training time for new drivers
- stress-free work through automatic operation





OPERATE YOUR WAY

With Efficient Synergy, dual hand-throttles are introduced on a tractor with Powershift for the first time. The left lever serves as hand-throttle and the right lever controls the transmission. When the AUTO-mode is activated, tractor characteristics can be adapted according to the task. The switch points of the transmission can be varied seamlessly between ECO- and Power-mode. Whereas fuel-saving gear shifts take place at low engine speeds in the ECO-mode, gears are shifted at higher engine rpm in the Power-mode to deliver the performance needed for all tasks with high power requirements. Fuel consumption can be cut by up to 11% through optimum alignment of shifting points.

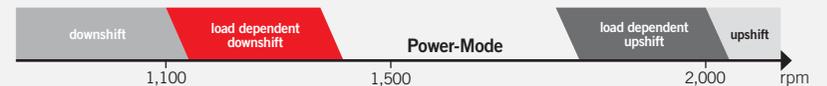
ADVANTAGES

- Optimal shifting makes all the difference: Efficient Synergy takes care of that for you
- Operating the controls is easy and intuitive with a slider
- Transmission characteristics are perfectly aligned to the individual task



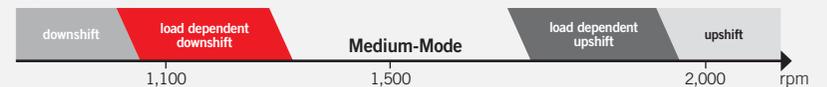
POWER MODE:

The Power mode supports you through the toughest jobs. In order to deliver maximum performance at all times, the automatic system will only shift to the next higher gear at 2,100rpm and to the next lower gear at 1,200rpm.



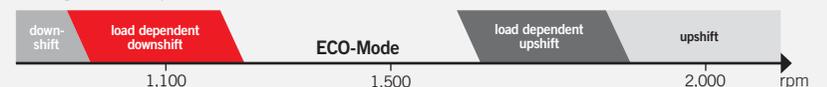
MEDIUM MODE:

The Medium mode is just as flexible as the demands placed on the tractors. Switch points can be adjusted as required between Power and Eco mode according to the task.



ECO MODE:

The Eco mode offers the biggest possible savings. For tasks that do not require a high power output, the automatic system will upshift to the next higher gear at 1,400rpm and downshift to the next lower gear at 800rpm.



OPTIMISED ENGINE MANAGEMENT

Farmall U PRO tractors are powered by 4-cylinder engines which are turbocharged and intercooled to give you maximum power for minimal fuel consumption. A steep torque rise means quick acceleration on the road and aggressive pulling power in the field, while constant power ensures peak performance in PTO applications.

DOING MORE WITH LESS

The new FPT F5C 4-cylinder Common Rail engine does not need to be driven at rated speed to perform: it delivers all its power at a fuel-saving 1,900rpm. This not only keeps fuel consumption down in all applications, it also results in high operating comfort due to the lower noise and vibration levels.

POWER IS NOT EVERYTHING

What farmer would drive at full engine speed all the time? FPT's engine development team has devoted much attention and time to perfectly match the torque characteristics of the F5C engines to real working conditions. The result is impressive: a maximum torque of 457Nm is reached at a fuel-saving 1,500rpm, making the Case IH Efficient Synergy truly economic.

ADVANTAGES

- Maximum performance at low engine speed:
 - lower fuel consumption
 - reduced vibrations
 - minimum noise level of 72 dB
 - easy on tractors and implements
- Two engine speeds can be stored, for example for constant PTO work
- Low idle speed of 700rpm: lower fuel consumption
- 600 hours service interval

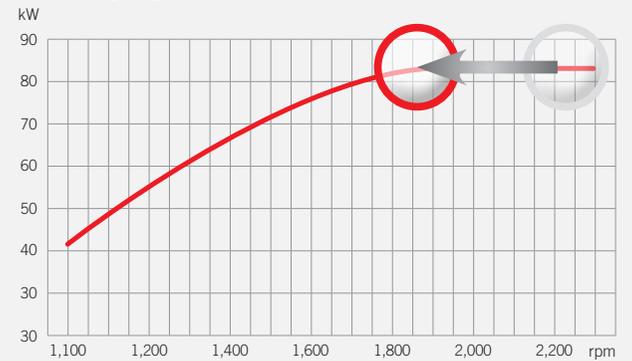


84kW/114hp (CV)			
rpm	kW	Nm	hp
1,000	42	401	57
1,100	49	427	67
1,200	55	440	75
1,300	61	451	84
1,400	67	456	92
1,500	72	457	98
1,600	76	454	103
1,700	80	447	108
1,800	83	440	113
1,900	84	422	114
2,000	84	401	114
2,100	84	382	114
2,200	84	365	114

Example



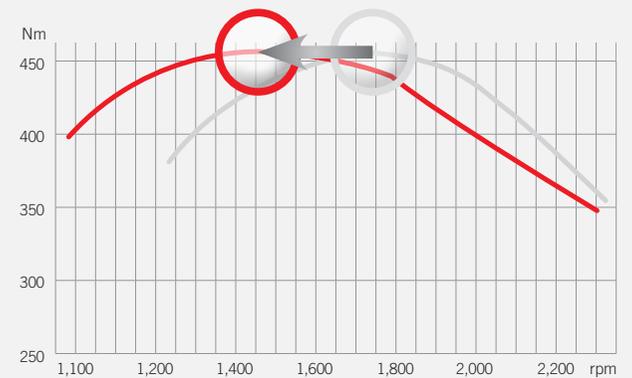
POWER [KW]



FULL POWER EVEN AT 1,900RPM

Lower engine speed = lower fuel consumption: the new Efficient Synergy concept takes full advantage of this principle. Through the dedication of the development team, full power output is reached at 1,900rpm, resulting in frugal fuel consumption.

TORQUE [NM]



MAXIMUM TORQUE AT 1,500RPM

Efficient Synergy means that Case IH tractors never run out of breath, even when operating at low engine speeds. With a torque curve optimised at a fuel-saving 1,500rpm, the new FPT engines deliver maximum torque exactly where it is needed the most.

TRANSMISSION AND PTO PUTTING POWER TO WORK FOR YOU

Putting power where it's needed efficiently and effectively has been the focus of Farmall U PRO design engineers. With the new transmission you can reach 40kph at a low 1,730rpm instead of the usual rated engine speed, saving time and fuel in road transport applications. Further down the driveline, the power-take-off offers maximum output at minimal rpm.

OPTIMUM GEARBOX RATIO

32 speeds with four powershifts offer the right choice whatever the task. The optimum gearbox ratio with 13 speeds in the main working range always delivers the required power for the task at hand. The systematic overlap of speeds at gear switch points and the combination of gears in four ranges allow for gentle gear shifting and minimised losses of tractive power. Two main groups for road and field work narrow the major working ranges easily and efficiently.

ALMOST LIKE A CVX

The AUTO Mode brings the new Efficient Synergy models closer than ever to the CVX models' comfort and intuitive operation. On request, the transmission automatically shifts gears within ranges, providing an even more comfortable driving experience.

EFFICIENT SYNERGY DELIVERS

A full complement of pto speed capabilities means Farmall U PRO tractors can efficiently operate everything from the lightest tedder to the most power-hungry power harrow. The four PTO modes (540, 1,000, 540 ECO, and 1,000 ECO) are aligned with engine characteristics. Whereas 540 and 1,000 PTO speeds are set between 1,800 and 1,900 engine rpm in order to provide maximum power, ECO speeds are available between fuel efficient 1,500 and 1,600rpm and with maximum torque.

AUTO PTO CONTROL

For greater working comfort, the rear PTO can be programmed to switch off when the rear linkage is raised and then switch on again when the linkage is lowered back into work in order to protect the power shaft of the implement.

THE FARMALL FOR ALL FARM JOBS

The integral front linkage and 1,000rpm PTO options are designed to fit seamlessly and are fully compatible with front loaders. Operation can be either mechanical or electro-hydraulic, and lift capacity is 2,250kg.



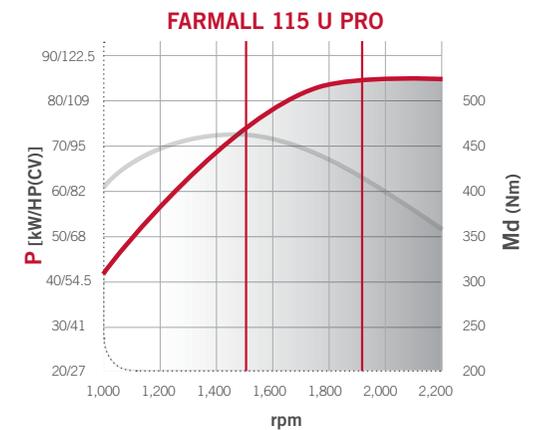


ADVANTAGES

- 40kph Eco at 1,730rpm: 11% lower fuel consumption
- 13 speeds in the main working range, sufficient overlapping: better performance in the field, higher working comfort
- PTO speed aligned with engine speed - lower fuel consumption, reduced rpm, less noise, fewer vibrations
- Automatic switching within Powershift ranges for higher comfort and optimum adaptation to operating conditions



Four PTO modes - 540, 1,000, 540 ECO, and 1,000 ECO.



Whether your focus is on power or fuel efficiency, with Efficient Synergy the PTO delivers the right pace for every task.



Seamlessly integrated front linkage with a lifting power of up to 2,250kg.

HYDRAULIC POWER MULTIFUNCTIONAL

Whether it's drawbar pull, PTO power or hydraulic output, Farmall U PRO tractors punch well above their weight. To meet individual operation requirements, there is a choice of open-centre (60l/min) or closed-centre (100l/min) load sensing hydraulic systems. Separate oil reservoirs serve the transmission and hydraulic circuits making the maximum oil available for external operations.

MULTIFUNCTIONAL HYDRAULIC POWER

Farmall U PRO tractors can be specified with up to four rear and two mid-mounted hydraulic remote valves, allowing them to operate all sorts of equipment. The rear linkage has the capacity to lift a maximum of 5,600kg. As well as front and/or rear-mounted equipment, the Farmall U PRO is designed to work harmoniously with a front loader. In the field, on the road and around the farmyard, you can rely on the Farmall U PRO to deliver top productivity cost effectively.



ADVANTAGES

- Electronic rear hitch control for comfort, accuracy and safety
- Up to 4 independent circuits with 8 couplers can be powered from the rear remote valves
- Individual flow setting on each remote: high flow or low flow on demand
- Mid mount valve joystick to operate either two mechanical or two electrical valves at the same time
- Mid-mount valve for control of extra application (loader, front-mounted implement)
- With CCLS Pump up to 15% of fuel saving





ELEVATING BUSINESS

Whether your need is for stacking bales, loading silage, shifting grains or handling palletised goods, the Case IH LRZ loader and its extensive range of attachments can take this load off your mind. Speedy changes between attachments are possible thanks to the quick attach coupling, and mounting and dismounting the loader from your tractor is a simple task. If required front loader arms from the LRZ range can be shared between Farmall ranges and Maxxum tractors for the ultimate in flexibility and versatility across your business.

LOADS BETTER

It's more than just a loader. All Farmall U PRO tractors are packed with features to deliver superior manoeuvrability and visibility. LRZ loaders are designed for easy on/easy off operation. No assistance required; drive in, connect up, lift, lock, fold up parking stand and away you go. Loader and tractor: a powerful team that saves you time and boosts performance.

INTEGRATED JOYSTICK

Low effort, responsive electronic joystick is perfectly positioned on the seat armrest.





FARMALL U PRO TRACTION NO-LIMITS VERSATILITY

The best engines in the business are no good if you can't put their power down where it's needed – at the wheels. That's why Case IH focuses on transmissions, steering, braking and wheel/tyre equipment to ensure that as much as possible of the potential in the engine gets to the ground.

MAXIMUM TRACTION AND STEERING ANGLE

Robust four-wheel drive axles provide extra traction when the going gets tough and four-wheel braking for road transport, for sure-footedness in the field and confidence on the road.

Non-slip performance: the hydraulic-locking front differential ensures maximum traction in the field and zero tyre scrub around the yard.

MOVE CONFIDENTLY

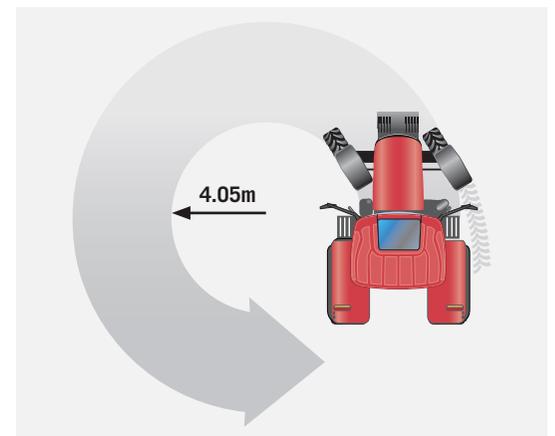
Wide front fenders (480mm) can turn independently of the front wheels to permit the maximum steering angle and retain wheel coverage. The 60° steering lock of the 4WD axle enables a turning radius of 4,050mm for easy manoeuvrability inside buildings and around the farmyard.

NO LIMITS

With a minimum weight of 4,500kg and a 3,000kg payload, you can be sure that the Farmall U PRO has the capacity to tackle any task. When equipped with a full front ballast set, 50% of the tractor weight is on the front axle to ensure smooth road transport, even with heavy rear mounted implements. A choice of hydraulic or pneumatic trailer brakes is available to suit customer requirements. With 38in tyres and 100% diff lock on both front and rear axles, traction isn't an issue. Larger tyres have better tractive ability. Standardised wheel hubs (275mm) facilitate swapping wheels between vehicles (e.g. Farmall U PRO, Maxxum, Puma).

DESIGNED FOR OPTIMUM HANDLING

- A high power-to-weight ratio, robust braking package and a 4WD system designed without compromise ensure Farmall U PRO tractors are well-placed to meet all farm challenges
- Heavy duty front and rear axles – for maximum durability
- A low centre of gravity aids control and improves safety on hilly terrain
- Agricultural and industrial tyre options allow you to configure Farmall U PRO to suit the needs of your particular enterprise



Turning radius of 4.05m

SERVICEABILITY AND SYSTEM SOLUTIONS



Keep driving! Daily checks and cleaning have been made easier with the new swing-out radiator package, while the air filter is conveniently located for quick inspection. And it's simple to check the oil level, with no need to open the engine hood.

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 and financing 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 supply you'd expect from a name as trusted as Case IH.



ALL THE PARTS AND SERVICE TO KEEP YOUR EQUIPMENT RUNNING

Find the full line of Case IH parts and components at your local dealer. Plus full service maintenance programmes and industry leading warranties. It's expertise applied by skilled, factory-trained service professionals committed to providing you maximum uptime, season after season.



AROUND THE CLOCK. AROUND THE COUNTRY

Case IH Max Service is a customer support service that provides 24-hour, seven-day-a-week access to the people, products and parts support needed to keep your operation running during the times most critical to your profitability. Max Service backs up your dealer with every resource available to Case IH, to help maximise uptime and productivity of Case IH equipment and increase your return on investment through access to product experts and 24/7 emergency Breakdown Assistance.



AN OPTIMAL FINANCING SOLUTION FOR EVERY INVESTMENT

CNH Industrial Capital is the financing company for Case IH. Our employees are experienced financial experts and have many years of experience in agriculture. Not only do we know about Case IH products and the market, we also understand the individual requirements of your operations. Therefore we are always able to offer you a financial solution for your new investments that is tailored specifically to your operational requirements and respective machine usage in the form of loans, rent or leasing. Our most important goal is improving the profitability of your investments! Therefore you can combine CNH Industrial Capital Financing with Capital accident and breakdown cover, as machine breakdown or repair insurance, in order to exclude risks to your investment and ensure greater planning reliability.



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WWW.CASEIH.COM

MODELS	FARMALL 95 U PRO	FARMALL 105 U PRO	FARMALL 115 U PRO
ENGINE	FPT	FPT	FPT
Number of cylinders / Capacity (cm ³)	4 / 3,400	4 / 3,400	4 / 3,400
Type / Emission level	Common Rail Diesel engine, turbocharged and intercooled / EURO-Stage III B		
Rated power ECE R120 ³⁾ @ engine rpm (kW/hp(CV))	73 / 99 @ 2,200	79 / 107 @ 2,200	84 / 114 @ 2,200
Maximum torque ECE R120 ³⁾ @ engine rpm (Nm @ rpm)	407 @ 1,500	444 @ 1,500	457 @ 1,500
Torque rise acc. OECD (%)	34	35	32
Fuel tank capacity (litres)	150	150	150
TRANSMISSION			
32x32 4-speed Powershift with Powershuttle, 40kph @ 1,750rpm	●	●	●
POWER TAKE OFF			
Engagement type	Electro-hydraulic with Auto PTO control		
Speeds standard (rpm)	540/540E/1,000/1,000E		
FRONT PTO AND HITCH			
Front PTO 1,000 Speed @ 1,920rpm	○	○	○
Front hitch max. lift capacity (kg)	2,250	2,250	2,250
FOUR WHEEL DRIVE AND STEERING (DRIVELINE)			
4WD (Four-wheel drive) front axle standard	Electro-hydraulic / optional electro-hydraulic diff lock		
4WD differential	Electro-hydraulic fully locking differential		
Min. turning radius ¹⁾ (m)	4.05	4.05	4.05
HYDRAULIC SYSTEM			
System type Standard (Option)	OCLS - Open Centre, Fixed displacement pump (CCLS - Variable displacement, pressure flow compensated pump)		
Max. pump flow rate Standard (Option) (l/min)	60 (100)	60 (100)	60 (100)
EHC - Electronical Hitch Control	●	●	●
OECD lift capacity through range @ 610mm with 60l/min / 100l/min (kg)	4,100 / 4,700	4,100 / 4,700	4,100 / 4,700
Max. number of rear remote valves standard / optional	2 rear with flow control / max. 4 rear, 2 mid mounts		
WEIGHTS AND DIMENSIONS¹⁾			
Approximate shipping weight (kg)	4,500	4,500	4,500
Permissible total weight (kg)	7,500	7,500	7,500
A: Total height with 540/65 R38 tyres to top of roof - standard / suspended cab (mm)	2,705 / 2,720	2,705 / 2,720	2,705 / 2,720
B: Centre of rear axle to top of roof - standard / suspended cab (mm)	1,905 / 1,920	1,905 / 1,920	1,905 / 1,920
C: Minimum width (across rear fenders) (mm)	2,100	2,100	2,100
D: Total length (mm)	4,197	4,197	4,197
E: Wheel base (mm)	2,420	2,420	2,420
STANDARD TYRES²⁾			
Front	480/65 R24	480/65 R24	480/65 R24
Rear	540/65 R38	540/65 R38	540/65 R38

● Standard Equipment

¹⁾ ECE R120 correspond to ISO 14396 and 97/68/EC

²⁾ All dimensions related to standard tyres

³⁾ Other tyres on request

¹⁾ depends on market specification

LRZ LOADERS	LRZ 95	LRZ 100	LRZ 120
Max. lift capacity (kg)	2,060	2,540	2,300
Max. height (mm)	3,740	3,740	4,070
Power range (hp)	70-100	70-100	90-120

! Safety never hurts! Always read the Operator's Manual before working with 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 **AKCELA** lubricants.

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