

For Earth, For Life
Kubota

LK

KUBOTA
LK-SERIES

LKH – LKM – LKU



The right front loader for every task, guaranteed

With the new LK U, LK M and LK H-Series, Kubota offers an attractive range of modern, powerful front loaders for its M4, M5, M6 and M7 series tractors. Whether you are looking for an entry-level or top-of-the-range model, you are guaranteed to find the right front loader for your processing, dairy and mixed farms. You can choose the operating system that best suits your requirements from a wide range of control systems.



The right solution for every application

With the new front loaders, Kubota now offers livestock farmers and mixed farms a perfect solution for their needs. The M-Series tractors and the LK U, LK M and LK H Series front loaders form a precisely matched, functional unit for demanding, tough practical use – with all the advantages that go with it.

Precise and robust

The front loaders impress with precision work as well as excellent stability and robustness. Tractor and front



Wide selection of controls and attachments

Thanks to an extensive range of controls and attachments, you can master all tasks on the farm, in the barn and in the field with confidence. You are guaranteed to find the solution that best meets your individual requirements.

loader harmonise perfectly to tackle a wide range of yard work. This makes the combination ideal for highly efficient front loader operation. On the farm, there will only be one implement that can keep pace with Kubota's new LK U, LK M and LK H front loaders – and that will be any other front loader from these series.



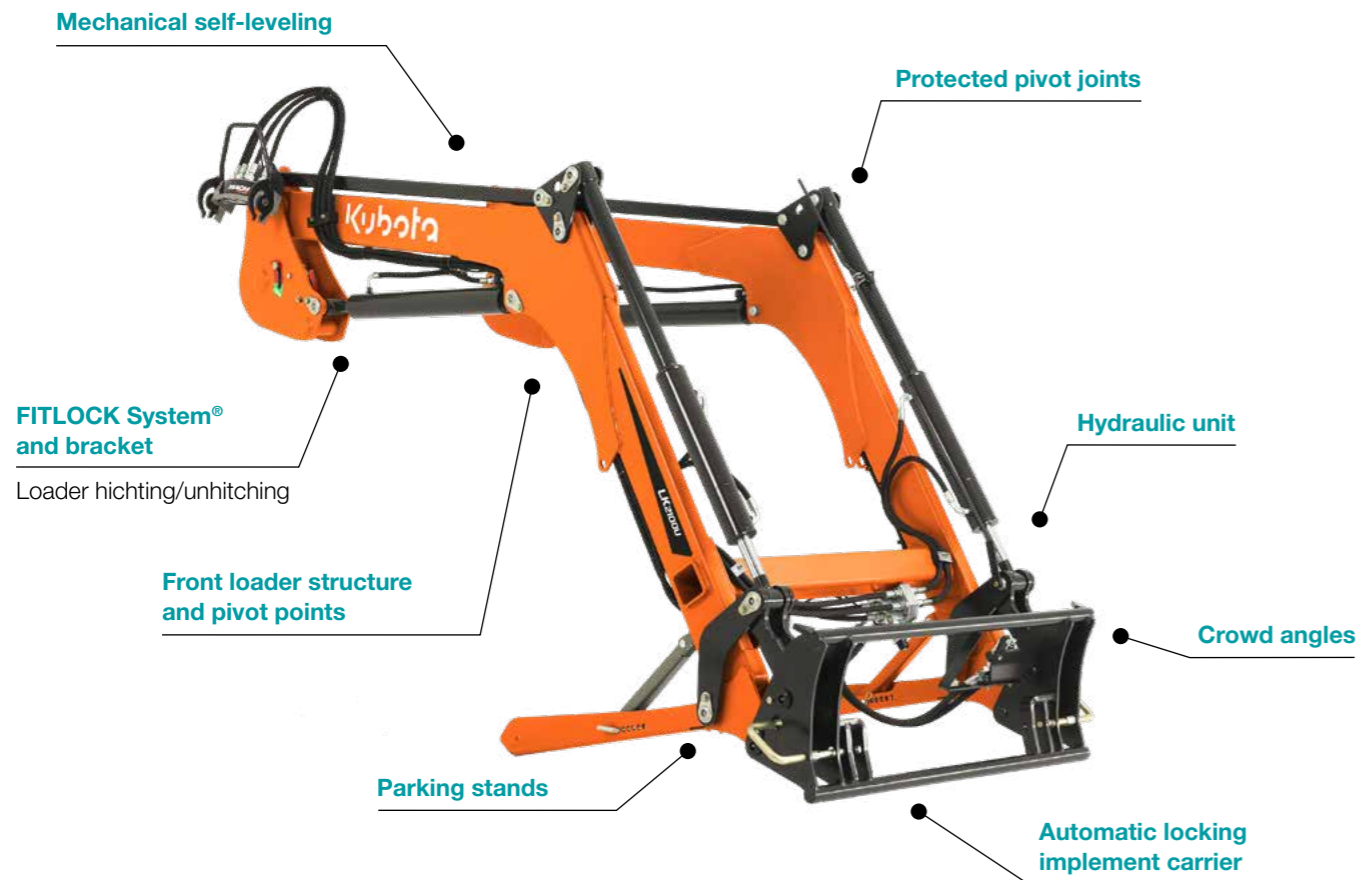
LK-Series	LK model	M4003	M5002	M6U SWB	M6U LWB	M6002	M7133FL
LK H-Series	LK2400H				✓	✓	
	LK2100H			✓	✓	✓	✓
	LK1900H		✓	✓			
LK M-Series	LK1500H	✓	✓				
	LK2201M				✓	✓	
	LK2101M				✓	✓	
LK U-Series	LK1901M		✓	✓			
	LK1501M	✓	✓	✓			
	LK1401M	✓					
LK U-Series	LK2100U			✓		✓	
	LK2000U	✓	✓				
	LK1500U	✓					

Range level	Loader range	Needs	Main users	Expectation	Name	Loader hours*
High-Range	LK H-Series	Intensive tasks	Breeders Cereal farmers Contractors/ Cooperatives	Productivity Comfort Visibility	LK2400H, LK2100H LK1900H, LK1500H	> 400 hrs/year
Mid-Range	LK M-Series	Everyday tasks	Breeders Cereal farmers	Comfort Versatility	LK2201M, LK2101M LK1901M, LK1501M, LK1401M	< 400 hrs/year
Entry-Range	LK U-Series	General tasks	Breeders	Simplicity Practicality	LK2100U, LK2000U LK1500U	< 200 hrs/year

* indicative and non-contractual figure

Made to meet essential needs

The front loaders of the LK U-Series are the machines of choice for all general task around the farm. Their excellent price-performance ratio makes these practical front loaders highly attractive from an economic point of view. The practical and simple front loaders satisfy all the essential needs that you place on a powerful machine today. This is supported by a large selection of tools and controls.



Mechanical self-levelling included
Perfect for precise loader work, the mechanical self-levelling function always keeps the implement angle parallel as the front loader moves up and down. This gives you the benefit of increased loader performance and visibility to the front and of the implement itself.



Quick and easy hitching and unhitching
The efficient FITLOCK 2M System® allows you to manually hitch and unhitch the front loader with ease. You only need to leave the cab once to operate the manual lock. You have also effective quick coupling of hydraulic and electrical line between tractor and front loader with the standard MACH system. And even more with MACH 2® quick coupler between implement and front loader (option).



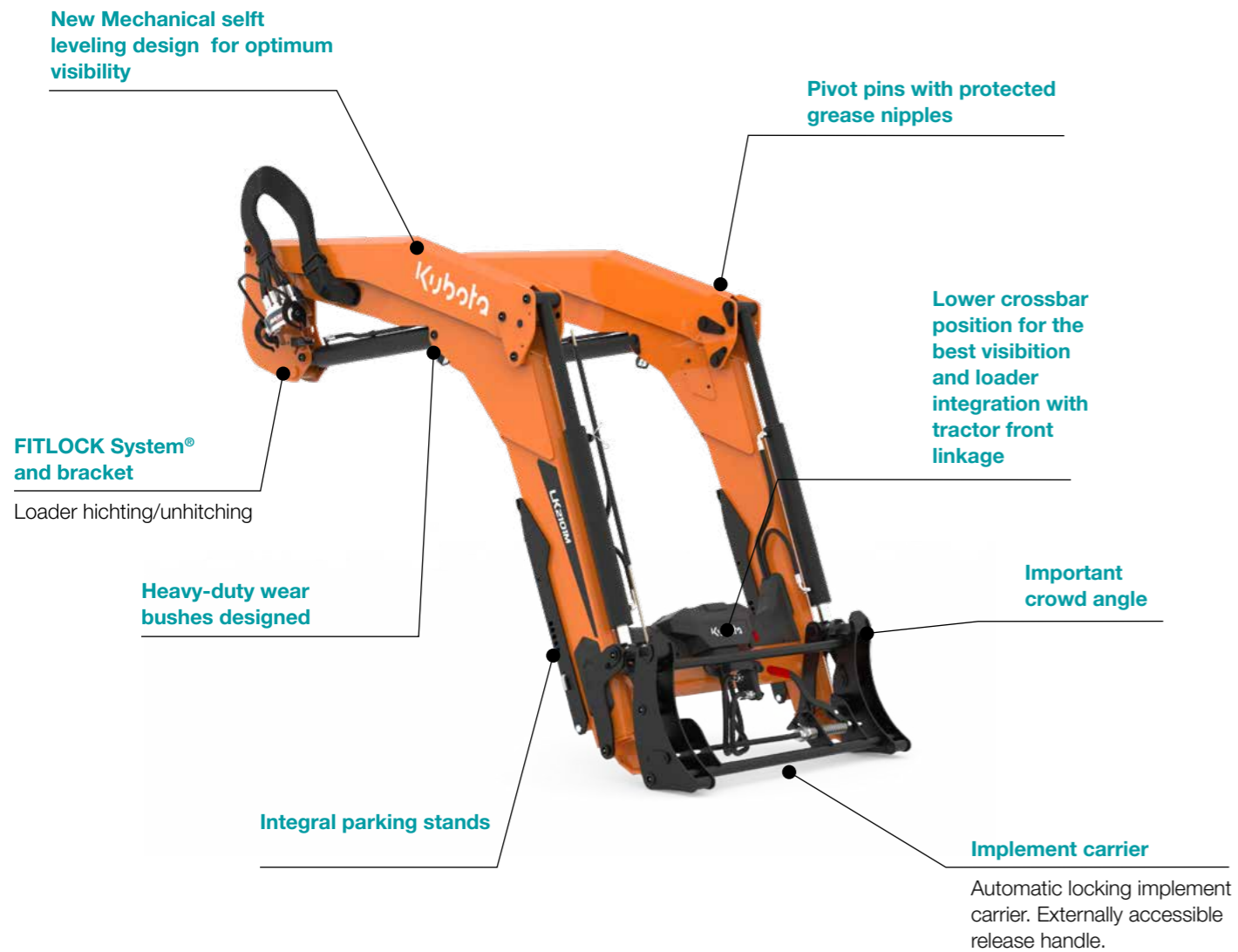
Clean design
The hydraulic hoses and wiring harness are hidden under the swingarms for better visibility and to protect them from damage. This keeps them safe, clean and easily accessible. Additional protection is provided by the parking supports, which are neatly integrated into the swing arms of the front loader and can be easily locked and unlocked. When folded, they form a protective housing for the hydraulic hoses and wiring. The smart integration of these components also gives you optimal visibility.



Optimum filling of the bucket
The LK U series front loader has a 62° tilt angle at 1m height. This means you can always fully fill the bucket at the maximum level.

The first choice for efficiency and versatility

The robust front loaders of the LK M-Series are ideally suited for everyday use on the farm. Easy to operate and versatile in use, these effective machines ensure maximum productivity – as anyone who has ever worked with this front loader will confirm.



Mechanical self-levelling included
Kubota's LK M-Series front loaders feature perfectly integrated mechanical self-levelling. The U-Link system ensures that you always have a good view ahead when working.



Top visibility and safety
The special design of the front loader means that the hydraulic hoses and electrical wiring are integrated into the swing arms. This not only guarantees excellent visibility, but also protects these components against damage or contamination. What's more, the environment is also protected: sealed NS couplings prevent hydraulic oil from leaking.



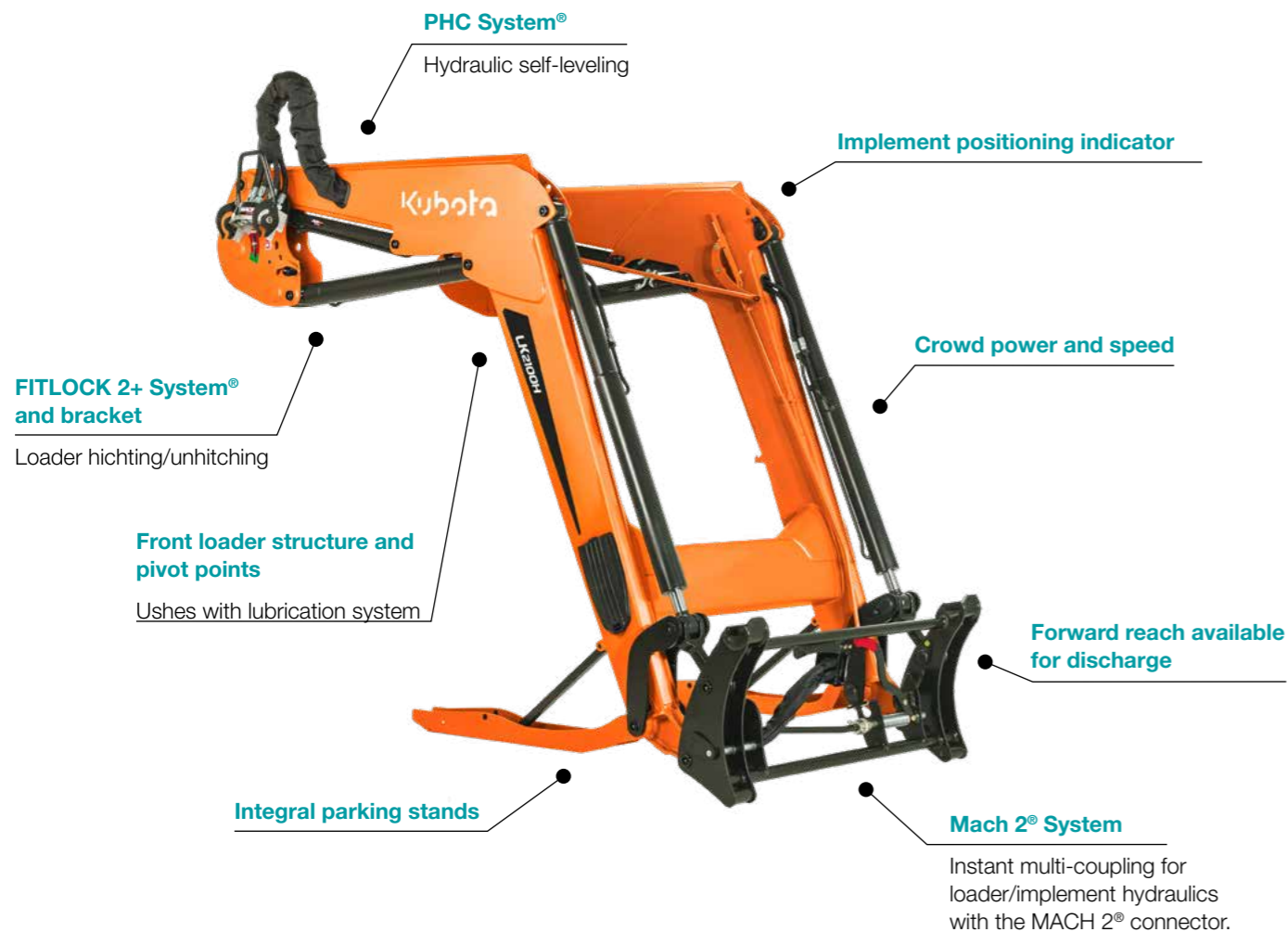
Fast hitching and unhitching of the front loader
With the FITLOCK system® you can hitch up the front loader in no time at all, and the loader is locked automatically. This is unique on the market. Visible from the cab and from the outside, an indicator shows you the locking status and thus ensures a high level of safety. The front loader can also be unhitched in a flash. All you have to do is briefly leave the cab and unlock the lock again with an optimally positioned handle. That's it.



Perfect crowd angle
For high loading performance, the LK M Series front loaders have a 71° crowd angle at 1.20 m height. This allows the bucket to be optimally filled for maximum productivity.

Highest level of comfort and productivity

If you use your front loader for intensive tasks on a daily basis, then comfort, safety and durability will be top priorities for you. With their unique features, the front loaders of the LK H-Series from Kubota offer you all this and more. And because they are perfectly adapted to Kubota tractors, they ensure maximum productivity – all from a single source.



Hydraulic self-levelling

The PCH System[®] for hydraulic self-levelling not only allows speed and lift capacity to be increased without excessive energy consumption. It also ensures that the optimum lift and tipping angle is maintained when the front loader is moving up and down. The result is increased lifting speed, full all-round visibility and fewer pivot points for a longer service life.



Hitch automatically, unhitch in a flash

when you only need the front loader for a short time, the FITLOCK 2+ System[®] means you can easily and safely hitch and unhitch it in less than a minute. You only have to leave the cab once and the front loader locks automatically – this is unique on the market. There's a convenient handle that lets you unlock it again. The FITLOCK 2+ system[®] has a locking indicator for a high level of safety, which you can see both from the cab and from outside. If the indicator is in the green zone, the front loader is locked, while in the red zone it is unlocked.



Optimally equipped

The LK H-Series front loaders feature a wide range of equipment to really meet all needs. a couple of examples: AUTO-LEVEL[®] automatically returns the bucket to the pre-programmed position at the touch of a button, so you can concentrate fully on the tractor. It's also practical: the quick-change frame with hydraulic FAST-LOCK System[®] and the SPEED-LINK system[®] allow you to conveniently hitch or unhitch your tools without leaving the tractor.



Double protection of the hydraulic hoses

The special design of the front loader means that the hydraulic system is fully integrated into the swingarms. The cylinders of the hydraulic parallel guide (PCH) are positioned in such a way that nothing restricts the field of vision above the swing arms of the front loader.

Effortless and precise coupling and steering

Couplings and controls are two essential factors that make front loaders convenient and effective to operate. Kubota's LK U, LK M and LK H-Series front loaders feature solutions that are intuitive, precise and effective, making the tractor and front loader a unique combination in terms of comfort and productivity.

Super-fast coupling

The MACH System® ensures a secure connection between the tractor and front loader in a single action. The quick coupler ensures the lightning-fast and simultaneous connection of all hydraulic and electric

lines, even under pressure. The MACH System® is equipped with drip-proof NS couplings that prevent any contamination in the hydraulic circuits and the environment.



Control via mechanical cables

The PROPILOT® mechanical system is available for the Kubota M4003, M5002 and M6001U series tractors. With this control system, the sliders of the control unit are operated by mechanical cables. This simple solution has proven itself countless times in practice. As an option, it is available with three buttons that can be individually assigned with functions. As standard, the PROPILOT® system includes a joy-stick with 3-button handle for the 3rd and 4th functions, a MACH System® connection and the SHOCK ELIMINATOR suspension, which hydraulically dampens shocks when driving.

Fatigue-free control

The FLEXPILLOT® low-pressure control system for Kubota's M6002 and M7133 Series tractors is unique in the market. With this system, the control lever emits hydraulic low-pressure signals to operate the sliders of the control unit. A palm and thumb support prevents muscle fatigue, while at the same time the design of the joystick supports a natural hand position. The main buttons with are easily accessible and control the 3rd and 4th functions: AUTO-UNLOAD® to synchronise the movement of bucket and grapple and AUTO-LEVEL® for automatic level reset of the implement.

Innovative electronic control

All KUBOTA M serie except the M7 serie are already equipped with the innovative e-Pilot S electronic control system with advanced front loader technology only if the loader is equipped with the FAST-LOCK equipment. Activating & deactivating the electronic absorber (smart shock) and a third continuous function that supplies the hydraulic motor without needing you to hold down the button with AUTO-UNLOAD equipment. This allows simultaneous operation of tipping and the 3rd function without loss of speed. All functions of e-Pilot S are combined on one easy-to-grip joystick.

Equipments	PROPILOT®	FLEXPILLOT®	e-Pilot S
MACH System	As standard	As standard	As standard
Configured with front linkage connection	As standard	As standard	As standard
Configured with Auxiliary DA hydraulic line	As standard	As standard	As standard
Basic 3rd function	As standard	As standard	-
Direct and progressive 3rd function	-	-	As standard
4th function	Optional**	Optional**	Optional**
Auto-Unload	-	Optional*	Optional*
Auto-Level	-	Optional*	Optional*
Shock eliminator (hydraulic absorber)	As standard	As standard	As standard
Smart-Shock (electronic absorber)	-	-	As standard
Fast-Lock locking/unlocking	-	Optional**	Optional**
Speed-Link locking/unlocking	-	Optional*	Optional*
Floating position	As standard (mechanic notching)	As standard (mechanic notching)	As standard (electric notching)
Continuous 3F (pumping)	-	-	As standard
Bucket shake	-	-	As standard
Compatible loaders	All loaders (LK U, LK M, LK H-Series)		
Compatible tractors	M4003/M5002/M6U	M7133/M6002	M4003/M5002/M6U/M6002

* only LK H-Series, ** only LK M/LK H-Series

#Attachments



Going the extra mile

To get the most out of this new front loader, the application possibilities are really enormous. A large number of robust implements such as buckets, forks, grapples etc. are available for all Kubota tractors. Powerful tools for bale handling from the MANUBAL series complete the extensive range.



Wide range of buckets

you can choose from a variety of buckets for Kubota's new front loaders, covering all user needs (heavy, medium, universal). Exclusive options are available for the buckets, including a MACH 2 and SPEED LINK connection and a side plate kit. Suitable solutions are available for all Kubota tractors.

Conveniently handle straw and hay bales

The MANUBAL L series offers four bale fork models for all requirements when handling straw and hay bales on farms. Both round and square bales can be handled comfortably. These implements are optionally available with a back extension. Fixed and movable tines ensure safety and comfort during work. The tines are available in lengths from 800 to 1,200 mm, depending on requirements.



Gently wrapping and transporting film bales

The MANUBAL C series wrapping tongs provide outstanding performance in all areas of film bale handling. For bales weighing up to 1,200 kg, an oversized cylinder ensures a perfect grip. Thanks to three working positions, film bales with a diameter of 0.90 m to 1.80 m can be handled with the same tool.



Optimally stacking and storing bales

The bale tongs of the MANUBAL V series include two models for picking up and storing round and square bales. The robust, safe and functional design of the units is perfectly matched to the demanding task. Various equipment is available for MANUBAL V, including the MACH 2 and SPEED LINK coupling, a film bale kit and additional tines.

#Technical data

Loaders models	LK1500U	LK2000U	LK2100U	LK1401M	LK1501M	LK1901M	LK2101M	LK2201M
Tractors models	M4003	M4003/ M5002	M6001 U SWB/M6002	M4003	"M4003 M5002"	M5002 M6001U SWB	M6001U M6002	M6001U LWB M6002
Self levelling type	Mechanical							

Lift heights

Max Height at implement pivot*	3,50 m	3,80 m	4,0 m	3,50 m	3,70 m	3,85 m	4,0 m	4,20 m
Max. height under horizontal bucket	3,15 m	3,45 m	3,65 m	3,25 m	3,45 m	3,60 m	3,75 m	3,95 m
Max. height under dumped bucket (#)	2,50 m	2,80 m	3,0 m	2,70 m	2,90 m	3,05 m	3,20 m	3,40 m

Working angles

Dumping angle at full height (#)	55 °		50°	52°			51 °	
Crowd angle at ground level (#)	47 °			47				
Digging depth	0,15 m	0,15 m	0,15 m	0,20 m	0,20 m	0,20 m	0,20 m	0,20 m
Lift capacity at implement pivot point over the entire lifting range*	1,600 kg	2,020 kg	2,170 kg	1,600 kg	1,700 kg	2,050 kg	2,280 kg	2,140 kg

Payload on pallet at 600 mm out on forks

At ground level	1,400 kg	1,700 kg	2,000 kg	1,350 kg	1,390 kg	1,785 kg	2,015 kg	1,880 kg
At max. height	1,350 kg	1,575 kg	1,800 kg	1,365 kg	1,430 kg	1,785 kg	1,985 kg	1,880 kg

Loaders models	LK1500H	LK1900H	LK2100H	LK2400H
Tractors models	M4003 M5002	M5002 M6001U SWB	M6001U M6002 M7133	M6001U LWB M6002
Self levelling type	Hydraulic			

Lift heights

Max Height at implement pivot*	3,75 m	3,85 m	4,0 m	4,15 m
Max. height under horizontal bucket	3,50 m	3,60 m	3,75 m	3,90 m
Max. height under dumped bucket (#)	2,95 m	3,05 m	3,20 m	3,35 m

Working angles

Dumping angle at full height (#)	52 °	55 °		
Crowd angle at ground level (#)	47 °	52 °		
Digging depth	0,20 m	0,20 m	0,20 m	0,20 m
Lift capacity at implement pivot point over the entire lifting range*	1,560 kg	2,070 kg	2,220 kg	2,420 kg

Payload on pallet at 600 mm out on forks

At ground level	1,615 kg	2,230 kg	2,345 kg	2,650 kg
At max. height	1,350 kg	1,890 kg	2,010 kg	2,225 kg

Specifications determined at 190 bar pressure and 60 litres/min flow rate. Data may vary depending on the type of tractor being equipped.
* Only payloads are counted. The figures at ground level and at the implement pivot axis are not to be used. # Figures provided for multipurpose bucket.

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