

A RELIABLE FRONT LOADER

MORE LOADERS, EVEN GREATER MODEL RANGE AND NEW FUNCTIONS





ALWAYS RIGHT, ALWAYS SAFE

A front loader that thinks about everything – does such a loader exist? Yes, Trima is probably the closest. In everything, from the superior durability and obvious productivity, to the considerate safety and ergonomics. Quite simply, the complete package. That reliability works and reliability delivers.

In short, a secure partner.





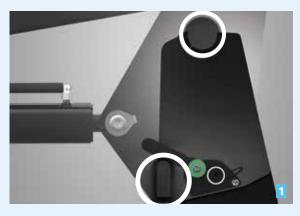
Durable Trima advantages

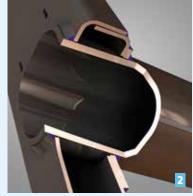
- · Heavy-duty dimensions and durable subframe system.
- Curved crosstube which minimises the effect of stress and torsional loading.
- Bearing box with large areas which absorb and stabilise stresses.
- Rubber washers prevent axial play.
- Heavy-duty cylinders with double bearings for durability.
- Loader arm with twin U-beams gives a superior resistance to twisting and bending.

SOLID, LOYAL TRIMA

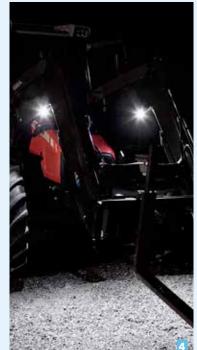
Our Trima loaders are designed to deliver the best possible productivity and user benefits over a long period of time. Numerous unique features combine to give the Trima Plus loaders their renowned reliability and service life. Consistently heavy-duty design details together with robust construction and close quality inspections are basic, obvious examples of such attention to detail. Our many years of experience and constant dialogue with

farmers also play an important role. We are well-versed in user requirements. We know which situations cause the greatest wear-and-tear and stresses on the loader. It is the given starting point in our continuous development work, and is the explanation as to why Trima is certainly one of the most durable front loaders in existence – you can rely on that!





1 | Heavy-duty dimensioned cylinders, subframe system, bearing box, etc. Some examples of details that contribute to Trima's recognised high level of durability and long service life.



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- **2 | Crosstube.** Where the stress on the loader is at its greatest, we reinforce all the joints to make them even stronger. An example of this is where the loader beam meets the crosstube.
- **3 | Attention to detail.** Reinforcement plates are placed strategically to give additional strength and durability to all loaders.
- 4 | Better visibility with the LoaderLight. The LoaderLight is an accessory that has been specially designed for your loader. LED headlight is mounted under the knee plate, illuminating the area below the loader beam. The perfect tool for working during the winter months.
- **5 | Tractor servicing made easy.** Trima's subframes are mounted vertically. This enables all modern tractors to be maintained easily without interference from the subframe or locking mechanism.
- 6 | Streamlining option for Electro
 Drive LCS Professional. The function
 saves time when working with animal
 feed, silage, bale handling, hydraulic
 buckets and accessories for your
 pallet fork. Enables the implement
 to open or close and tip or crowd at
 the same time. Live3 is retrofitted to
 existing front loaders and the latest
 LCS ElectroDrive.
- **7 | Heavy-duty zinc coated pins** with a locating tab that prevents the pin from turning.
- 8 | Knee plate. Cross-section of the loader arm by the knee bracket.
 The loader arm's double C profile is additionally strengthened with a knee plate.



PRODUCTIVE TRIMA

To make the heavy things light and to make time-consuming activities quick and simple is a basic philosophy of Trima. To achieve this, the front loader must be powerful, smooth and smart. It is these qualities which have elevated the Trima Plus range to its current position as one of the market's most high-performing and productive front loaders.

The uncompromising work capacity is noticeable and can be measured in a number of ways. Partly by its performance as a strong lifting machine with high speed and ease of use, but also with its valuable time-saving features thanks to smart technical solutions. No other front loader combines efficient strength and technology better than Trima – you can rely on that!



Effective demonstration of strength. The Plus Compact Valve coordinates all vital functions and connections into a compact centrally located diverter valve. Everything is hidden underneath a protective cover and protected behind the crosstube causing minimal disturbance to the operator's forward vision. This valve also gives exact control and effective power to heavy work applications as well as incorporating the shock valves for the implement cylinders. Additional functions such as 3rd or 4th hydraulic services, PlusDrive and hydraulic implement locking can also be integrated easily. Plug-in connectors allow the hoses to rotate thus reducing wear and tear.







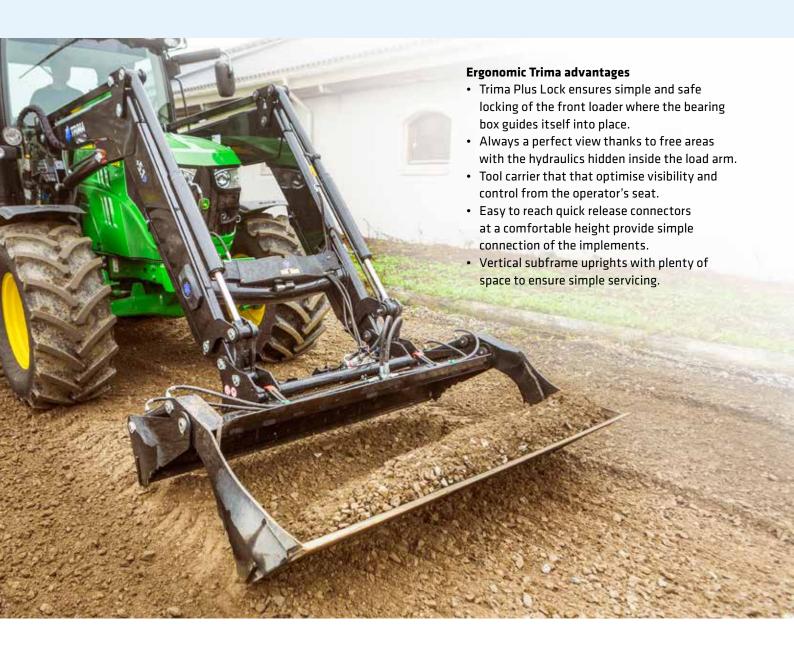


- 1 | Ideal working angles. The explanation as to why Trima can work with all possible materials, as well as with the best possible work angle, regardless of which implement is used.
- 2 | Maximum lifting power. Solidly dimensioned loader arms and pins and optimally dimensioned cylinders are factors which significantly contribute to Trima's great lifting capacity. Mechanical parallel linkage gives even more power.
- **3 | Multi Doc 2TM.** A very good aid if the front loader has an additional third or a fourth hydraulic service. With a simple movement, the implement hydraulics are coupled, easily and without any problems, even when the system is pressurised.

SAFE, ERGONOMIC TRIMA

Trima is a high-performing front loader. At the same time there is a lot of built-in consideration that makes even the toughest jobs easy on the body. Again, much of the explanation lies in our recurring exchange of expertise with farmers worldwide. Something that has made Trima a global benchmark in respect of user-friendly and ergonomic front loaders.

The advantages of choosing Trima are endless, with forward vision, ease and comfort evident in all applications. In fact the awkward and uncomfortable working postures of the past have long since been forgotten. Thanks to these well thought-out solutions, the ergonomics ensure maximum efficiency. In short, with Trima, there is a thought behind all thoughtfulness!





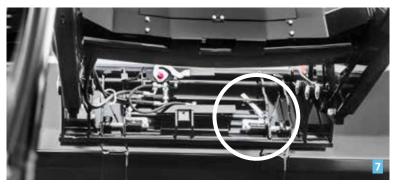












1 | Simple implement exchange.

Trima's tool carriers make it unbelievably simple to change an implement. Thanks to the fact that you can always see perfectly and avoid subjecting your neck and back to uncomfortable movements and working postures. If the loader is equipped with the 3rd function, the easily-accessible quick release connections at a comfortable height make it simple to connect the implement.

2 | Ultra comfortable PlusDrive.

Drive anywhere you want – in the smoothest possible way. This highly innovative damening system has now been enhanced in conjunction with LCS, thus reducing the strain on the loader and subframes, as well as on the driver and tractor. PlusDrive is activated from the operator's cab with an electric on/off switch.

3 | Heavy-duty constructed parking

legs with flexible design makes it quick and easy to connect and disconnect your Trima loader. No tools are required and there are no loose parts.

4 | **Protective Hose Cover.** The hose cover protects the hoses from wear and tear, sunlight etc and also holds the hoses together, which further increases visibility. Standard on all Trima Plus loaders.

5 | Our automatic implement lock Clic-on with integrated safety latch ensures that the implement can only be connected one way – the right

way. Maximises safety and minimises

errors.*

6 | Optimum vision. All hydraulics are hidden and protected in the arm. No pipes and hoses are visible; no dirt or rubbish may accumulate.

7 | With Auto Plus (hydraulic implement locking) it is simple to connect and disconnect implements from the comfort of your seat in the driver's cab. Indicators on the tool carrier show you when the implement is locked.

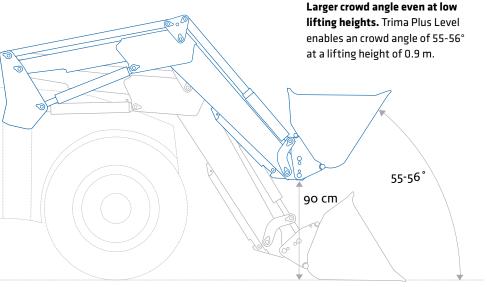
^{*} only applicable to loaders fitted with a Euro tool carrier.

SMART, SPILLAGE-FREE TRIMA PLUS LEVEL

Our aim to constantly improve our products is the backbone of Trima's operations. It is clear to us that we must constantly work to make things even simpler and more advantageous for Trima owners worldwide. An excellent example is the Trima Plus Level function, which increases the usefulness of both loaders and tractors.

The function maximises the load capacity and minimises unnecessary spillages during bucket operation. The solution is an optimisation of the implement cylinders, meaning that the bucket can crowd up to an angle of

55-56° even at a lifting height of 0.9 m*. You can manoeuvre the bucket to be almost exactly in balance at this height, which significantly reduces the risk of losing any material – new, smart and typical Trima.



* can vary depending on the loader model.





At operational heights there is 10 % additional crowd back compared with previous models.

Class leading bucket design. An important part of Trima Plus Level is the interplay between the elements of our original buckets. Our special non-drop design with extra high back and front edges means that you can fill the bucket completely, with full control of the material.

- 1 | Even more useful. Trima Plus Level means that the bucket opens up in balance, which minimises unnecessary and, in the long term, costly spills.
- 2 | User-friendly design. The Trima Plus Level function is made possible by a number of factors, including optimisations made to the implement cylinders. A good example of how our construction expertise provides direct user advantages.



Loader Control System[™]

A TECHNICAL BREAK-THROUGH, GIVING YOU UNSURPASSED USER-FRIENDLINESS

The Loader Control System strengthens Ålö's position as the world-leading manufacturer of high quality front loaders. LCS™ brings together many technical innovations in one system:

- The unique LCSTM valve program has been specially developed for the requirements and functions of the front loaders of today and tomorrow, giving a level of control that no other manufacturer can provide.
- An integrated multi-coupler* which saves time and also protects the environment.

 A thumb-controlled joystick which further improves ergonomics and driving characteristics.

Each one of these innovations provides significant advantages for you and your tractor. Together, they enable entirely new levels of loader control, userfriendliness, efficiency and safety. LCS^{TM} will be standard on all new Trima loaders. There is also the opportunity to upgrade older loaders and tractors with the new system.

Welcome to the future.

Loader Control System[™]

ONE SYSTEM. HUNDREDS OF ADVANTAGES.

Valve program



Optimises control and driving characteristics

At the "heart" of LCSTM is a unique valve program; the only valves in the world that have been specially developed for the specific functions and requirements of front loaders. This uncompromising approach offers you many advantages: outstanding control, direct response and drivability through optimally-adapted flow – for every occasion and regardless of load weight. The valve is also energy efficient and therefore enables lower fuel consumption.

Many advantages:

- Complete control of heavy loads thanks to the load-independent oil flow. This means that the loader speed is always the same, no matter what load is carried in the implement.
- Easier to perform multiple functions, such as lowering and crowding.
- Ålö LCS[™] Open Centre the valve has the same properties as the Ålö LCS[™] Load Sensing-valve. Both valves are based on the same Load Sensing principle.
- Energy-saving low pressure regeneration.
- The cylinders are always filled with oil, which eliminates waiting time and cavitation.
- Both lift and implement circuits feature a float position. In addition to improved driving benefits, this also enables easy connection and disconnection of the loader and implement.
- The compact design means that the valve is ideally placed, whilst maintaining the driver's vision.

Multi-coupler



Smart and easy to handle with integrated electrical connector

The unique flat-face multi-coupler with integrated electrical connector is the heart of LCS $^{\mathsf{TM}}$, which, through its ingenious construction, saves time and also protects the environment. The compact design with swivel connections makes it very simple to use with a single hand. The construction of the multi-coupler means that it can be connected and disconnected even when pressurised. All quick connections are flat-face style and spill-free, making them simple to clean and maintain.

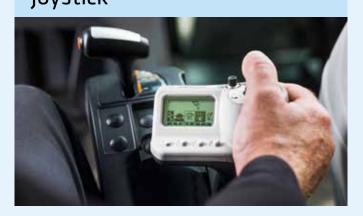
Many advantages:

- Both valves and hose kits have flat-face connections
- The multi-coupler is connected simply, with a single lever incorporating a locking catch.

Technical data

Max system pressure: 250 bar
Max tank pressure: 20 bar
Max recommended flow, fixed pump: 120 l/min
Max recommended flow, variable pump: 150 l/min
Regulated flow to loader: Max 90 l/min
Regulated servo pressure in the valve: 23 bar

Joystick



Electronic, thumb-controlled user-friendliness

Topping the range, is the ElectroDrive LCS™ Professional – a thumb-controlled joystick which improves ergonomics and drivability. You will see that it offers considerably greater control as well as a more relaxed manner of working, with minimal physical exertion. The joystick has a very flexible mount; called the 'swan neck', which – in a completely new way – enables the driver to find the best position to operate the loader. The joystick's ergonomic shape and flexible mount also minimises the vibrations and movement caused by driving over uneven and rough terrain. Other significant advantages are the ideally-located display with a user-friendly menu system, giving an overview and quick access to all loader functions.

Many advantages:

- Unique control of the electronic joystick. Choose between controlling the loader with just your thumb or with your thumb and index finger
- Optimal ergonomic shaped hand grip. Particularly advantageous when used for lengthy jobs
- Easy to use display with backlighting. Information clearly visible both during the day and at night
- The electronic joystick is available in two different types the ElectroDrive LCS™ Professional and the EasyDrive LCS™, enabling you to adapt your LCS™ entirely to your own needs
- An alternative is the mechanical, cable-guided single lever control ErgoDrive LCS™

Which joystick meets your requirements best?

Electronic joystick or traditional cable control – you choose what suits you and your tractor best. Below you will find an overview of the functions of each joystick:







ElectroDrive LCS™ Professional

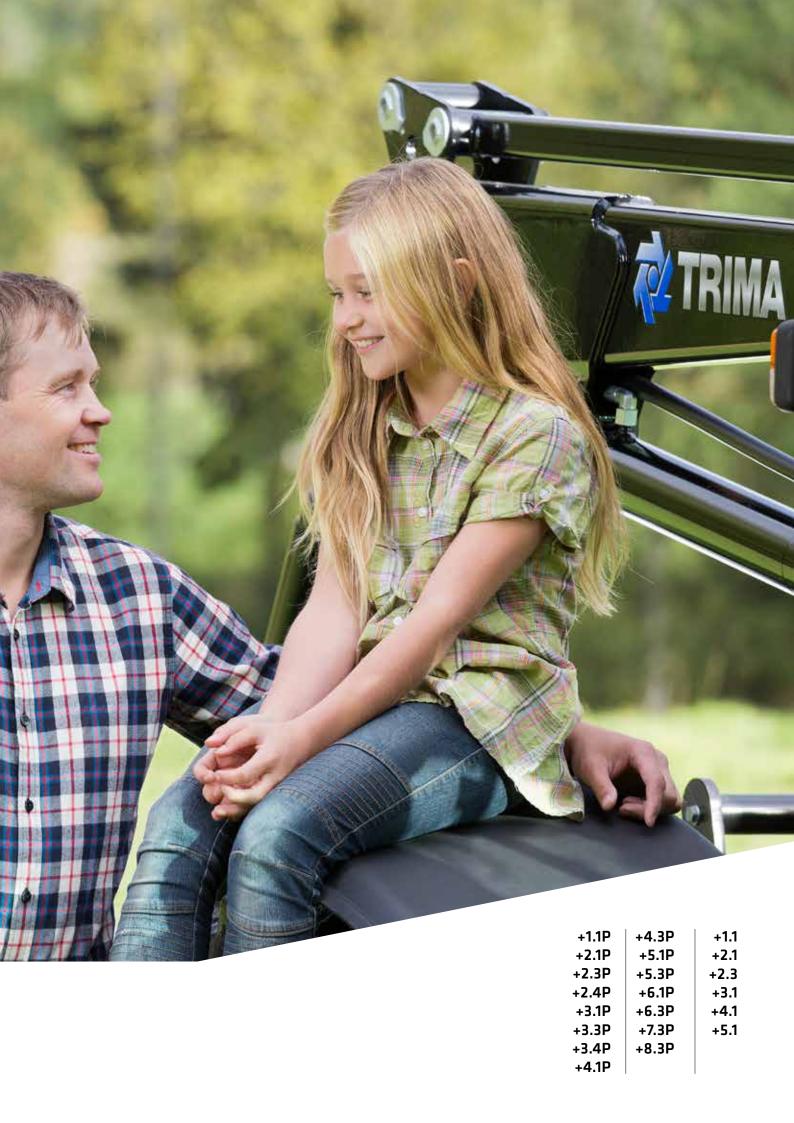
EasyDrive LCS™

ErgoDrive LCS™

Electronic joystick, thumb-controlled	•	•	
Mechanical joystick, cable operated			
Backlit display	•	•	
Fully proportional lifting and lowering of loader	•	▼	
Fully proportional tilting and crowding of implement	•	•	
Float position on lowering movement	•	•	
Float position on tilt movement	•	•	
Lowering movement with regenerative function	•	•	
Tilt movement with regenerative function	•	•	
3rd hydraulic service*	•	•	
4th hydraulic service*	•	•	
Soft shifting between implement movement	•	•	
and 3rd hydraulic function		_	_
Hydraulic implement locking*	•	•	
Quick menu			
Shock absorber, on/off*	•	▼	
Tortoise mode	•		
Shake function	•	•	
Visual AAC function	•		
Transport mode with shock absorber*	•	•	
Pressure relief function	•	•	
On/off 3rd hydraulic service*	•		
Locked 3rd hydraulic service*	•		
Continuous flow 3rd hydraulic service, configurable*	•	_	
On/off configuration of 4th hydraulic service*	•	•	
Hare function	•		
Configuration menu			
Setup of 3rd hydraulic function	•		
Setup of 3rd hydraulic function on/off, (+/-) direction	•		
Programmable Quick Selection button	•		
Adjustable shake function in 9 steps	•		
Configuration of tortoise mode in 3 steps	•		
Setup of tortoise speed lift and lowering	•		
Setup of tortoise speed tilt and crowd	•	_	
Setup of display contrast	•	_	
Diagnostics menu	•	_	
Factory setting Service menu		_	
Service menu	•	•	
Other Features			
Spill free flat-face quick couplers	•	•	
Multi-coupler with integrated electrical connection*	•	•	
Integrated accumulator	•	•	
Dust cover	•	V	
Valve that does not effect the tractor system pressure	•	V	
Built-in pre-heating function in the valve	•	•	

^{*} depending on the loader configuration





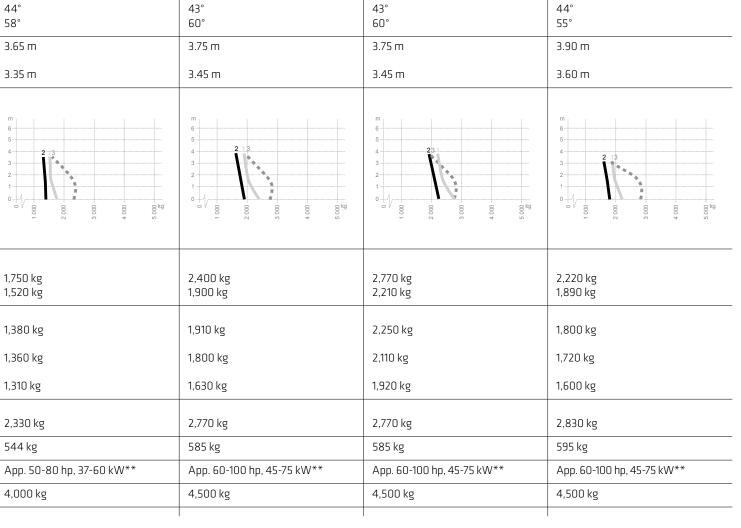


	+1.1P	+2.1P	+2.3P
Working angles*, max. crowd angle ⁴ max. dump angle ⁵	41° 63°	44° 58°	44° 58°
Lift height, metres at pivot pin metres under level implement ⁶ *	3.20 m 2.90 m	3.50 m	3.50 m 3.20 m
Lifting force at pivot pin Lifting force 800 mm from pivot pin Max. rollback force 800 mm from pivot pin	2 1 3 3 3 4 4 2 1 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	3 2 13 3 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7.20 III
Lifting force at 195 bar/2,828 PSI 1. at pivot pin, ground level*** at pivot pin, max. lift height***	1,890 kg 1,490 kg	1,920 kg 1,520 kg	2,270 kg 1,800 kg
2. 800 mm from pivot pin, ground level 800 mm from pivot pin, 1.5 m lift height 800 mm from pivot pin, max. lift height	1,500 kg 1,370 kg 1,280 kg	1,530 kg 1,440 kg 1,310 kg	1,840 kg 1,740 kg 1,590 kg
3. Max. rollback force 800 mm from pivot pin	2,310 kg	2,380 kg	2,380 kg
Loader weight	505 kg	521 kg	521 kg
Tractor Size	App. 50-70 hp, 37-52 kW**	App. 50-80 hp, 37-60 kW**	App. 50-80 hp, 37-60 kW**
Recommended tractor weight	3,000 kg	4,000 kg	4,000 kg
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+3.3P

+3.4P



+3.1P

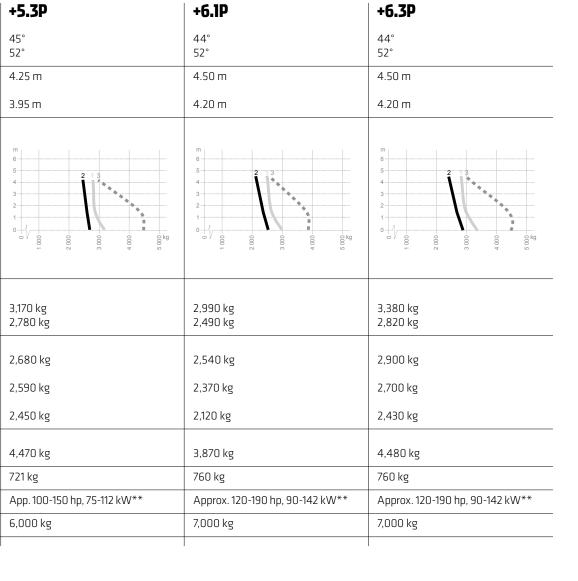
+2.4P



FRONT LOADERS WITH PARALLEL LINKAGE

	+4.1P	+4.3P	+5.1P		
Working angles*, max. crowd angle ⁴ max. dump angle ⁵	45° 55°	45° 55°	45° 52°		
Lift height, metres at pivot pin metres under level	4.00 m	4.00 m	4.25 m		
implement ⁶ *	3.70 m	3.70 m	3.95 m		
Lifting force at pivot pin Lifting force 800 mm from pivot pin Max. rollback force 800 mm from pivot pin	23 1 2 3 1 3 2 2 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	23 4 3 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
Lifting force at 195 bar/2,828 PSI 1. at pivot pin, ground level*** at pivot pin, max. lift height***	2,520 kg 2,060 kg	2,890 kg 2,370 kg	2,790 kg 2,440 kg		
2. 800 mm from pivot pin, ground level 800 mm from pivot pin, 1.5 m lift height 800 mm from pivot pin,	2,070 kg 1,930 kg	2,410 kg 2,250 kg	2,330 kg 2,250 kg		
max. lift height	1,720 kg	2,010 kg	2,120 kg		
3. Max. rollback force 800 mm from pivot pin	2,810 kg	3,850 kg	3,360 kg		
Loader weight	621 kg	621 kg	721 kg		
Tractor Size	App. 80-120 hp, 60-90 kW**	App. 80-120 hp, 60-90 kW**	App. 100-150 hp, 75-112 kW**		
Recommended tractor weight	5,200 kg	5,200 kg	6,000 kg		
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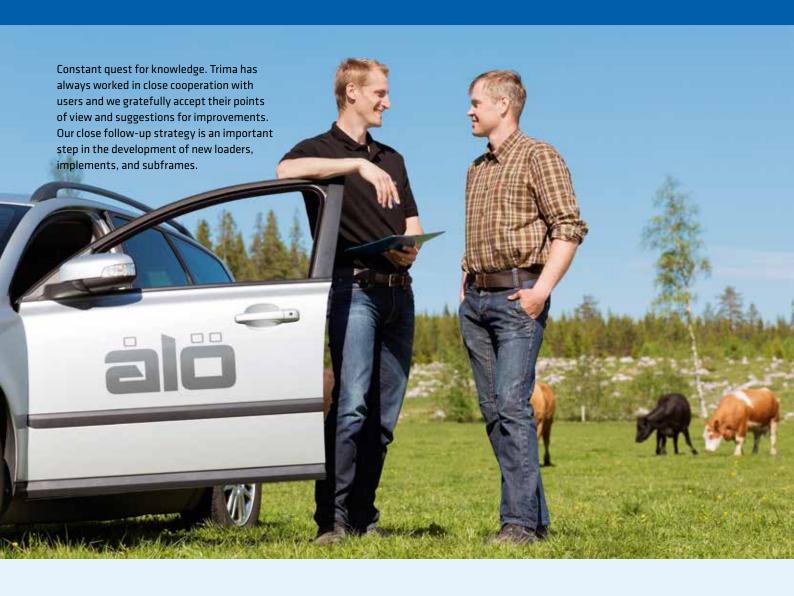
FRONT LOADERS WITH PARALLEL LINKAGE

+7.3P	+8.3P		
44° 49°	42° 50°		
4.95 m	4.95 m 4.65 m		
4 2 3 4 4 3 2 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4.05 III 6 5 2 1 3 4 3 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
3,930 kg 3,070 kg	4,210 kg 2,880 kg		
3,610 kg 3,050 kg 2,770 kg	3,210 kg 2,600 kg		
4,460 kg	4,450 kg		
838 kg	935 kg		
>150 Hp, >112 kW**	>200 Hp, >149 kW**		
9,000 kg	13,000 kg		
	44° 49° 4.95 m 4.65 m 3,930 kg 3,070 kg 3,070 kg 2,770 kg 4,460 kg 838 kg >150 Hp, >112 kW**		

^{*}Varies depending on implement. **In addition to engine strength, the tractor's weight and size influence your choice of loader. ***Excluding implement.

FRONT LOADERS WITHOUT PARALLEL LINKAGE

	+1.1	+2.1	+2.3	+3.1	+4.1	+5.1
Working angles* max. crowd angle max. dump angle	41° 64°	44° 58°	44° 58°	43° 60°	46° 56°	45° 52°
Lift height metres at pivot pin metres under level implement*	3.20 m 2.90 m	3.50 m 3.20 m	3.50 m 3.20 m	3.75 m 3.45 m	4.00 m 3.70 m	4.25 m 3.95 m
Lifting force at 195 bar/2,828 PSI 1. at pivot pin, ground level*** at pivot pin, max. lift height***	2,280 kg 1,730 kg	2,310 kg 1,760 kg	2,690 kg 2,060 kg	2,810 kg 2,150 kg	2,920 kg 2,310 kg	3,220 kg 2,710 kg
2.800 mm from pivot pin, ground level1,360 kg 800 mm from pivot pin, 1.5 m lift height 800 mm from pivot pin, max. lift height	1,390 kg 1,230 kg 1,190 kg	1,660 kg 1,250 kg 1,220 kg	1,730 kg 1,500 kg 1,450 kg	1,860 kg 1,560 kg 1,500 kg	2,130 kg 1,680 kg 1,640 kg	1,980 kg 1,970 kg
3.Max. rollback force 80 cm from pivot pin	2,350 kg	2,410 kg	2,410 kg	2,800 kg	2,840 kg	3,360 kg
Loader weight	436 kg	450 kg	450 kg	515 kg	554 kg	628 kg
Tractor Size, approx.	50-70 hp 37-52 kW**	50-80 hp 37-60 kW**	50-80 hp 37-60 kW**	60-100 hp 45-75 kW**	80-120 hp 60-90 kW**	100-150 hp 75-112 kW**
Recommended tractor weight	3,000 kg	4,000 kg	4,000 kg	4,500 kg	5,200 kg	6,000 kg



HERE FOR YOU TRIMA

Choosing Trima means not only direct advantages, but also long-term advantages. We know that we must always be close by, so that our customers can make best use of their Trima loaders and tractors. And it is of course why we have put a great deal of effort into creating a global network for support and service.

Thanks to our comprehensive network, Trima customers the world over have excellent access to spare parts, good service opportunities and expert service personnel. This is to say that all the back-up required to ensure your Trima loader's service life and efficiency, every day, year after year – you can rely on that!

Long-term, service-based Trima advantages

- An organisation that is close to its customers, from the dealers to the service personnel, focused on the user's requirements for prompt service.
- Comprehensive, and through our global representatives, worldwide, service network close to the customer.
- Spare parts are available wherever Trima is sold.
- Access to spare part information, instructions and other important information via the internet.
- Continuous information that ensures that all Trima representatives can assist customers with their extensive expertise.







Get your implement brochure from your dealer or download it from our website. The website also shows more information to inspire you – including film clips of our Trima loaders in full action.

Visit us at www.trima.nu!



RELIABLE IMPLEMENT SOLUTIONS. INSPIRING INFORMATION.

The right implement for each occasion is a prerequisite for achieving the highest possible levels of productivity and use of tractors and loaders. Trima also gives you access to our market-leading range of high quality original implements.

Our comprehensive brochure contains all the information and guidance necessary for you to find the best and most reliable implement solutions for your needs.

Designed and manufactured by Ålö

Sometimes words are not enough. Our YouTube videos provide an even clearer picture of selected Trima advantages. Check them out at www.youtube.com/user/frontloaders







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