



Save trees...

... by relocating them with the
DAMCON tree transplanter



A complete supply of tree nursery equipment for over 40 years



Damcon, a reliable name in horticulture for over 40 years. Our machines operate in the tree nursery, landscaping and other horticulture businesses. One of our core operations is the construction of Damcon Tree Spades. Our team of about 20 people works on our advanced machinery daily. We offer solutions for mechanical problems by engineering and

manufacturing our own machinery. We have a wide range including planting machines, maintenance machines and tree digging machines (for example tree spades). Key concepts of our working methodology are: quality, reliability, technically skilled labour and international business.

Tree transplanters

Our range of tree transplanters contains 4 types, other types are available on demand.

The two half round shells are ensuring a nice root-ball form, which helps you to maintain the most important roots.

This range of machines is mainly useful for avenue tree nurseries and big projects (like road widenings and new housing estates).

But there are many other jobs you can use them for.

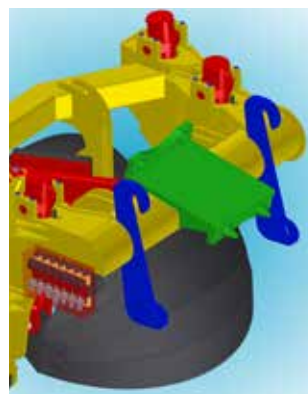
Extra depth root ball KLR-1500 2M*

The KLR-1500 is designed so the root ball has a greater depth in relation to the diameter than with larger machines. This has been done to ensure an optimal shape for this size of root ball. For larger trees this is of less importance. Therefore, these machines create a shallower root ball and thus reduced weight which makes them easy to transport.



Tom de Vlaminck describes his tree transplanter KLR-1500 2M purchased in 2016:

"I am very satisfied with the machine, it has a great user friendliness. Customers are amazed by the speed of work. Within minutes I put a large tree above the ground".



Connection to the vehicle

The blue and green components are the couplings for the vehicle. This implement has a quick release system for both wheel loaders and excavators. The system your vehicle uses determines which couplings you choose.



Hydraulic rootball support

The plates at the front and rear of the rootball keep the tree and rootball in place during transport. The plates allow you to tilt the tree during transport.



Eric van der Horst, Desert Fruit

Desert Fruit grows dates in the desert of Namibia. On the plantation, the date palms had to be thinned out. Every second one had to be transplanted. In almost 4 months, 50 hectares are thinned out in this way. 2000 trees had to be moved over a distance of 2 km. Eric: "A very user-friendly machine that works fine, despite desert sand with pebbles and stones"



Treeclamp

The tree clamp allows you to grip the tree trunk. This aids in pushing the semi-spherical blades into the soil whilst also helps keep the tree upright during transport.



Electric-hydraulic control

To operate the tree transplanter a control unit is placed in the cabin of the vehicle. It is connected to the electronics of the vehicle (12V or 24V). The control unit is connected to the tree trans-planter by way of cable via the boom. The tree trans-planter can be disconnected by means of an electrical connector at the end of the boom. To function appropriately the operating vehicle requires a double acting hydraulic connection of minimal 180 bar, 40ltr/min.

DAMCON

Back axle support for wheel loader

To transfer more weight from the wheel loader to the tree transplanter it is useful to attach hydraulic back axle support to the wheel loader.



Contractor Ben de Vree about his machine:

We have two of these Damcon KLR-2M tree transplanters. The main advantage of these machines is that you can stab less deep, while the rootball is hardly smaller. We do this when there are cables in the ground. With the 4 spades machines this is not possible because at stabbing less deep, the rootball is too small. The operation of the machines is simple and works well. Also for road transport, it is a useful machine because tall trees can even be transported horizontally. I once transplanted 80 trees a day! With both machines we work a total of 700 hours per year.



Detail of back axle support

Made by client or provided by supplier of vehicle.

KLR-1500 2M



KLR-1800 2M



KLR-2000 2M



KLR-2500 2M



	Tree Spade diameter	Stem Diameter*	Machine Weight	Rootball Depth**	Approximate Total Load*	Recommended Wheel loader	Recommended Excavator
KLR-1500 2M	150 cm	20 cm	1,800 kg	85 cm	3,500 kg	8 ton	-
KLR-1800 2M	180 cm	25 cm	2,300 kg	80 cm	4,700 kg	11-12 ton	-
KLR-2000 2M	200 cm	30 cm	2,800 kg	90 cm	6,300 kg	14-15 ton	20 ton
KLR-2500 2M	250 cm	40 cm	3,800 kg	120 cm	10,000 kg	20-22 ton	-
KLR-3000 2M	300 cm	50 cm	4,500 kg	140 cm	15,000 kg	30-33 ton	-

*) Depends on tree, soil, conditions of roots, etc.

***) Depth of rootball can be increase by digging a ditch around the tree before lifting



Why a DAMCON tree transplanter?

- Solidly constructed
- Low construction, beneficial for trees with low branches
- Ideal rootball, maximum roots with minimal weight
- Large aperture to provide for space around the tree
- Long life, machines have been in use for more than 10 years
- Low wear and tear and maintenance
- Useable with wheel loaders and excavators (no special vehicle required)
- Favourable price/performance ratio

