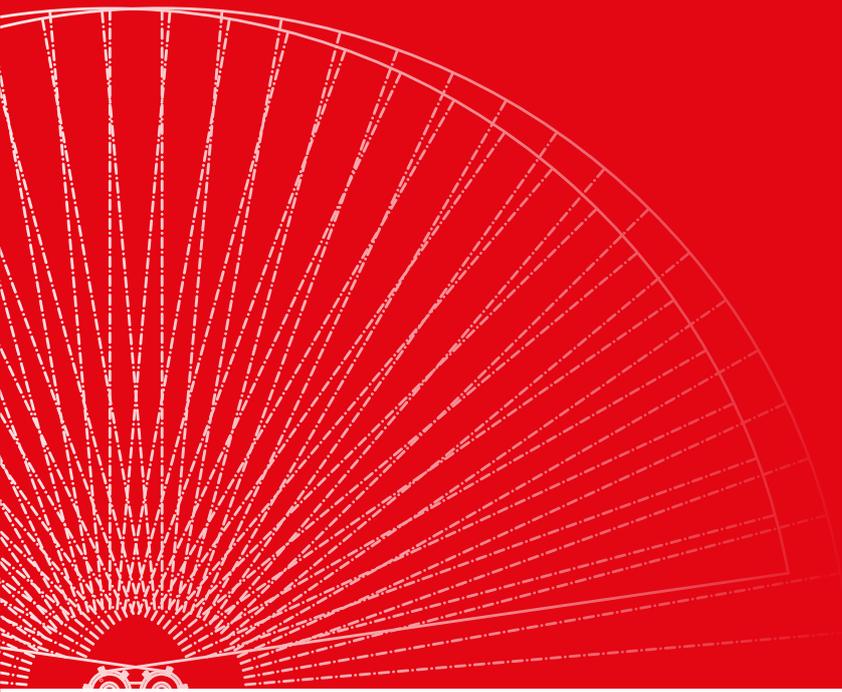




EN

AUGER 12 M







CONTENTS

Bredal 12 m auger.....	2
Standard equipment.....	6
Optional accessories.....	8
Specifications for 12 m auger.....	13
Spreading with spread unit.....	14
Material/Application control.....	16
Dimensions.....	17

***Bredal's 12-metre auger
is made for Bredal
models K105L and
K135L***





BREDAL's 12 m auger is designed for demanding professional use where capacity and reliability are vital. The basic design concept for the auger is that it should be simple to use, service and maintain. The construction ensures efficient folding and unfolding of the auger.

To get the best distribution of the material spread, BREDAL has designed the auger to ensure proper distribution across the entire working width, even for varying application volumes and different types of material.

The auger is equipped with scrapers at the auger's outflow holes to prevent blockage.





The spreader and all components are sprayed with two layers of powder coating, which gives a resilient surface and a beautiful finish.

STANDARD EQUIPMENT

/ Mechanical landwheel drive for application

Spreading based on a driving-dependent landwheel drive adapts the application rate to the actual driving speed.

/ Hydraulic hoses

The hydraulic hoses are gathered on the front of the spreader and hang from a turnable deloading duct over the tractor.

/ Inspection windows

Hopper-filling can be monitored from the driver's seat through the inspection windows on the front of the hopper.

/ Ladder

A ladder is attached to the front of the hopper to make it possible to access the hopper.

/ Rear door

The standard rear door is made of stainless steel and mounted on two plastic rails for maximum service and easy adjustment.

/ Light boom

Made of stainless steel with LED lights for better visibility and long service life.

/ Tarpaulin cloth for dust suppression

A tarpaulin cloth extending all the way to the ground maximises dust suppression and minimises the spreading pattern's sensitivity to wind. Weights attached to the bottom of the tarpaulin keep it extended and fixated.

/ Belt frame

Available in stainless steel with maintenance-free synthetic bearings. The bearings are sealed, for perfect protection against dust penetration.

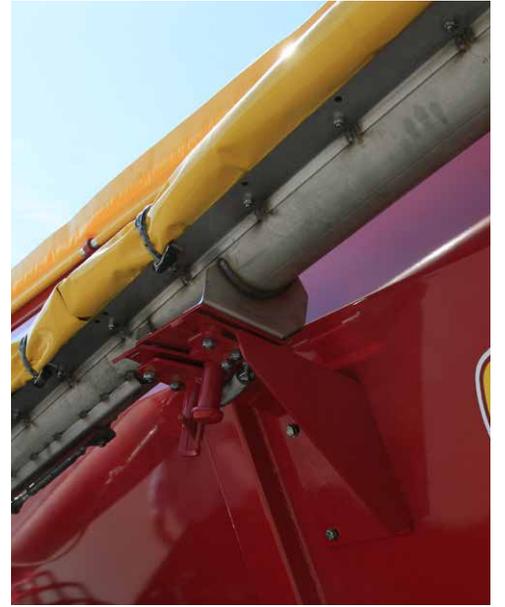
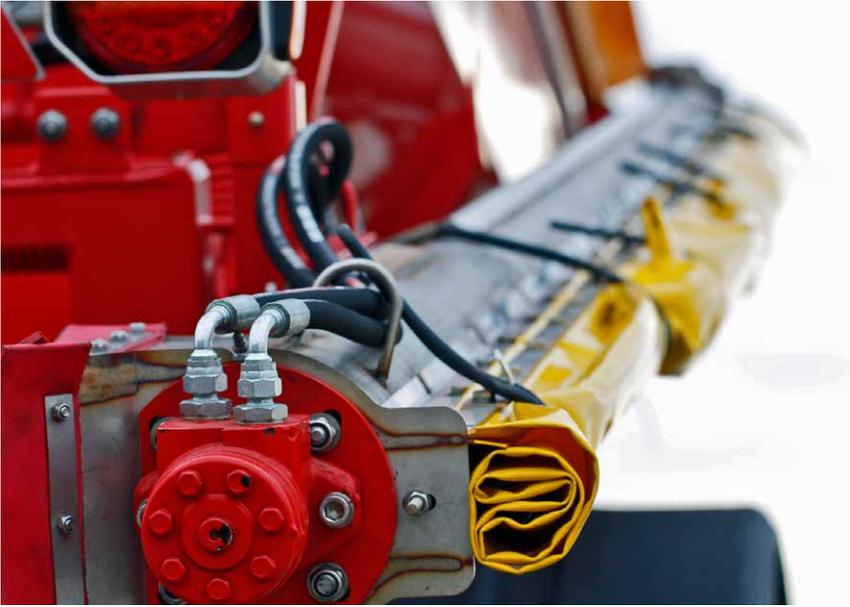
/ Hydraulic jack

All models for attachment of a 12-m auger come with a hydraulic double-action jack as standard equipment.

/ Axle and brakes

A heavy-duty 10-tonne BPW axle with hydraulic brakes is standard equipment, but pneumatic brakes are also available.





/ Steel roof

A steel roof with 48-cm tall sides is available for the injection of pulverised lime. The steel roof has an inspection opening of 70 x 70 cm for fast and easy hopper inspection. The steel roof can be removed for spreading with spreading discs.

/ Inlet tube

A 4" inlet tube is used for pump filling.

/ Compactor

A compactor is available for the injection of lime to ensure that the hopper is completely filled. The compactor compresses the air out of the material, to maximise filling.

/ Pneumatic brakes

Single or dual-circuit pneumatic brakes are available, instead of the standard hydraulic brakes.

/ Hydraulic rear door

A hydraulic rear door is available for quick hopper closing for road transport to and from the field.

/ ISOBUS

Computerised control is possible via ISOBUS.

/ Weight cells

The single-axle version of K105 and K135 bogie are available with weight cells.

/ Spread unit

The spreader is available with an SPC-4500-2 V-belt transmission for fertiliser spreading. A 12–28 m or 24–36 m headland gear is available for the spread unit for ideal headland spreading.

/ Hydraulically operated headland gear

Hydraulic operation of the headland gear is available for easy changeover between headland and field spreading from the tractor cab.

/ Cover

A hydraulically-operated cover is available with either a 23-cm or 48-cm hopper extension.

/ Mudguards, plastic

Plastic mudguards are available to prevent needless dirtying of spreader and tractor.

OPTIONAL ACCESSORIES







BREDAL





SPECIFICATIONS FOR BREDAL 12 M AUGER

Auger:	ø140 mm stainless steel with Teflon scrapers
Auger tube:	ø155 mm, stainless steel
Distance between application holes:	198 mm, spacing between the holes in the augers' tube
Sliding doors:	2 mm stainless steel, drop-shaped 36 mm holes
Cylinder for folding and unfolding of auger:	Single-action with gas cylinders for folding and unfolding
Application system:	Two OMP 100 hydraulic motors. 1 flow valve for precise revolution control for different volumes.
Dust suppressor:	Tarpaulin cloth down to the field covers the entire width of the spreader and is standard equipment.
Min./max. volume:	100–600 kg/min. provides the following results: 750 kg/ha -> 3000 kg/ha at 10 km/h 1250 kg/ha -> 5000 kg/ha at 6 km/h



SPREADING WITH SPREAD UNIT

/ A versatile spreader

BREDAL's auger spreaders are designed so it is possible to use the traditional spread unit with two spreading discs, while the auger is mounted on the spreader at the same time.

This means that the same spreader can operate with either a 12-metre auger or an SPC spread unit to which fertiliser equipment for 12–36-metre spreading can be attached.

To use the auger, it is easy to remove the spread unit and the Cardan system is prepared for quick-action connection and disconnection.





602 723 958
ZEMĚDĚLSKÁ TECHNICKÁ
Ing. Jan Kytavař
ZEMĚDĚLSKÝ ÚSTAV

BREDAL

/ Only the best materials will do

All materials were carefully chosen to maximise a problem-free service life. At the same time, the construction takes greatest possible account of cleaning-friendliness and minimises maintenance. The auger itself has a wide diameter of 140 mm and is made of stainless steel.

The auger tube is made of 2 mm stainless steel with an external diameter of 155 mm. All other auger components are also made of stainless steel. Each of the two 6-metre auger tubes is equipped with three adjustable stainless-steel runners at the

outflow holes to ensure ideal distribution across the entire working width. The drop-shaped outflow holes maximise application accuracy.

The gas cylinders on the auger's suspension bar ensure gentle, problem-free folding and unfolding of the auger.

Bearings and gaskets are sealed and pre-lubricated to maximise a problem-free service life in very dusty surroundings and on long working days.

/ Choice of application rate step

BREDAL's auger is distinguished by its simple settings and operation, no matter if it is operated using the mechanical landwheel drive or if the auger and spreader are computer controlled.

Modest demands are made on the tractor's hydraulic capacity, as the auger requires only up to 30 litre/min. when the machine has mechanical landwheel drive. For computerised control, the minimum requirement is a double-action outlet for operating the floor belt and auger and a single-action connection for auger folding and unfolding.

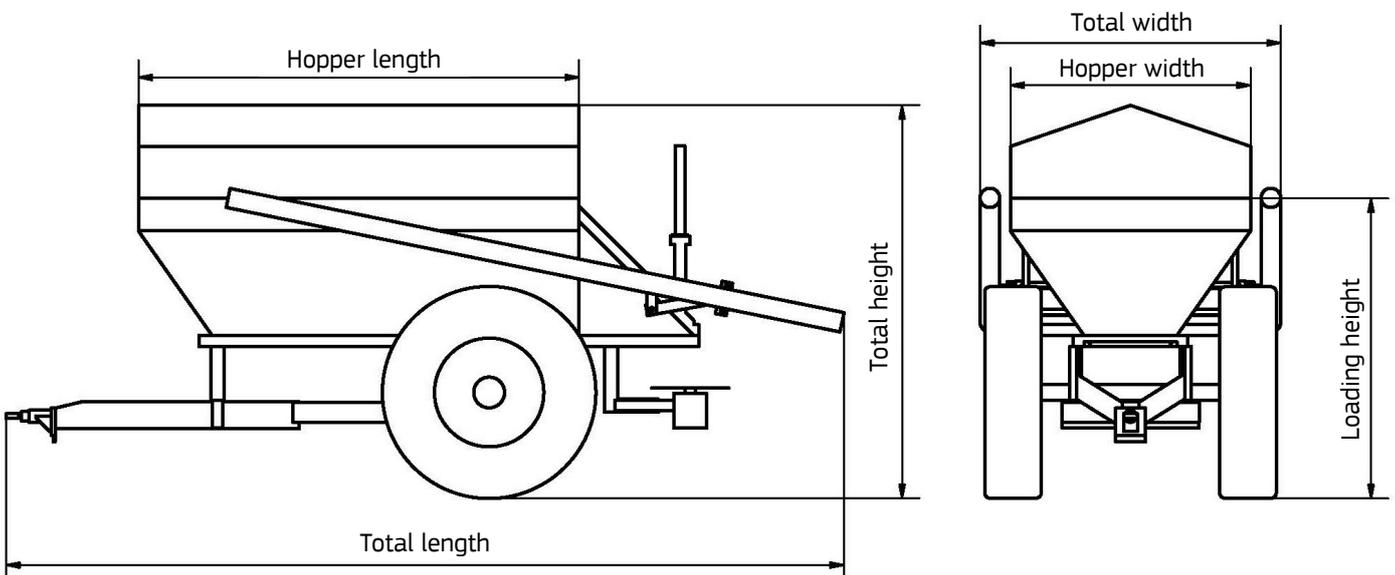
For computer-controlled spreaders, 60 litres/min. is required.



DIMENSIONS

	K105 (single axle)	K105 (bogie)	K135 (bogie)
Net weight, kg	3500	5800	6800
Capacity, level measure, m ³	9	9	12
Extension, contents, m ³	2	2	2.9
with extension, m ³	11	11	14.9
with 480 mm steel roof	13.7	13.7	18
Hopper length, mm	4016	4016	5696
Hopper width, mm	2200	2200	2200
Total length	7665	7924	9633
Width with auger folded	2900	2900	2900
Maximum width, outside wheels, mm	2900	2900	2900
*Loading height, min.	2665	2750	2750
*Loading height, max.	3070	2866	2900
*Total height, min.	3200	3200	3300
*Total height, max.	3600	3350	3450
Biggest possible wheel diameter, mm	ø1950	ø1475	ø1675

*without hopper extension





Throughout a lifetime, Bredal has specialized in the development and manufacture of high-quality lime and fertilizer spreaders for easy operation and a robust construction. In recent years, however, the products also include winter equipment such as sand and salt spreaders.

In the export markets, the interests of the company are taken care of by local importers, who also assist in the sale, service and support of Bredal's products.

Bredal has state-of-the-art production and testing facilities using the latest technologies to ensure that the quality of the products is top notch.

**SIMPLE
PRECISE
RELIABLE**