

SINGLE AXLE AGRICULTURAL TRAILER FOR THE TRANSPORT OF GRAIN PRODUCTS AND ANIMAL FEED LG 120 - LG 120 P SERIES

This trailer is equipped with container and auger conveyor and is especially designed for the transport of grain products and animal feed.

The material is unloaded by means of an auger conveyor system, which consists of a lower bend (Ferruzza patent), an articulated bend (Ferruzza patent) and a 360° rotatable auger boom. The lower bend is made up of an oil-immersed 90 degree bevel gearbox, which is driven by an oil immersed chain drive.

The rotation of the auger boom is not performed by means of a chain drive, it is performed by means of a ring-pinion gear which is powered by a hydraulic engine. The auger conveyors located under the floor of the container and inside the boom are not only supported by end bearings, but also by an intermediate bearing, so as to reduce bending oscillations, vibrations and noise.

All auger bearings have a labyrinth seal and can be greased from outside through a dedicated grease nipple.

The rotation and lifting of the auger boom are hydraulically driven, the hydraulic system of the boom is provided with two safety valves. One of them is designed to avoid damages due to hindered rotation, while the other one is designed to prevent the auger boom from dropping in the event of a pipe rupture.

The trailer can reach an unloading rate of 2100 liters/min at a PTO speed of 540 rpm, depending on the type of product and on the dryness level.

Chassis: The chassis consists of two press formed, closed-profile longitudinal members held together by crossmembers and connection heads. The chassis is fixed to the container, which is likewise made of press-formed sheet, so as to build a monolithic structure that is able to withstand the stresses of off-road driving.

Braking: hydraulic and semi-continuous braking or pneumatic, semi-continuous and automatic braking (see table below).

Suspensions: stiff or with parabolic leaf springs with an eye and a flat end, depending on the type (see table below).

Painting: anti rust primer and two coats of synthetic paint.

types

Code	Type	Container Dimensions [m]	Technically permissible load [kg.]	Maximum authorised load (In Italy) [kg.]	Empty weight [kg.]	Braking	Volume (m³)	Discharge Height [M]	Suspensions	Single wheels
00135.R	LG 120	5.00x2.55	12000	6000	3230	hydraulic and semi-continuous	16.5	7.03	stiff	445/65R22.5 new
00135.R1	LG 120 B	5.00x2.55	12000	6000	3230	hydraulic and semi-continuous	16.5	7.03	with leaf springs	445/65 R22.5 new
00141.R	LG 120 P	5.00x2.55	12000	6000	3230	pneumatic, semi-continuous and automatic	16.5	7.03	stiff	445/65R22.5 new
00141.R1	LG 120 BP	5.00x2.55	12000	6000	3230	pneumatic, semi-continuous and automatic	16.5	7.03	with leaf springs	445/65R22.5 new

optional equipment

Optional equipment upon request	
Code	Description
00283.A10	Automatic hydraulic braking, for LG 120 – LG 120 B
00371.A	Boom extension D = 273 L=0,50 m (for internal reference only)
00373.A	Boom extension D = 273 L=1,00 m (for internal reference only)
00375.A	Boom extension D = 273 L=1,50 m (for internal reference only)
00377.A	Boom extension D = 273 L=2,00 m (for internal reference only)
00381.A	PVC-roof for LG 120 – LG 140
00382.A	Sliding roof for LG 120 – LG 140

The trailers main characteristics, as above indicated, could be modified at any time and without notices from Ferruzza Co. in order to offer to the customers a product with increased quality and performance.