

Complete Vehicle

EU-Certificate of conformity

The undersigned Joost Roelse, Head of Technical Documentation, hereby certifies that the following complete vehicle:

- | | | |
|--------|--|---|
| 1.1. | Make (trade name of the manufacturer): | LEMKEN GmbH & Co. KG |
| 1.2. | Type: | A |
| 1.2.1. | Variant: | E |
| 1.2.2. | Version: | - |
| 1.2.3. | Commercial name: | Diamant 16 |
| 1.3. | Category, subcategory and speed index of vehicle: | S1a |
| 1.4. | Company name and address of manufacturer: | LEMKEN GmbH & Co. KG
Weseler Straße 5
46519 Alpen/Germany |
| 1.5.1. | Location of the manufacturer's statutory plate(s): | Driving direction right, front |
| 1.5.2. | Method of attachment of the manufacturer's statutory plate(s): | Rivets |
| 1.6.1. | Location of the vehicle identification number on the chassis: | Driving direction right, front, in the area of manufacturer's statutory plate |
| 2. | Vehicle identification number: | WLCA00000PA516554 |

conforms in all respects to the type described in EU type-approval e24*167/2013*00053*01 issued on 09.09.2020 and can be permanently registered in Member States having right/left hand traffic and using metric/imperial units for the speedometer.

Alpen, 05.03.2023



General construction characteristics

3.3.1.	Number of axles and wheels	Axles:	1
		Wheels:	1
3.5.3.	Type of chassis	:	Rigid drawbar
5.1.1.1.	Declared maximum design vehicle speed [km/h]	:	40

Masses

4.1.1.1.	Unladen mass(es) in running order		
4.1.1.1.1.	Maximum [kg]	:	3500
4.1.1.1.2.	Minimum [kg]	:	1400
4.1.2.1.	Technically permissible maximum laden mass [kg]	:	3500
4.1.2.1.1.	Technically permissible maximum mass per axles [kg]	Axle 1:	3500
4.1.2.1.2.	Vertical load on the coupling point (S) [kg]	:	3500
4.1.2.2.	Mass(es) and tyre(s)		
	Axle No	:	1
	Reifenkombination Nr.	:	1
	Tyre dimension including load capacity index and speed category symbol	:	400/55-22.5 152 A8
	Rolling radius [mm]	:	3084
	Tyre load rating per tyre [kg]	:	3550
	Maximum permissible mass per axle [kg](*)	:	3500
	Maximum permissible mass of the vehicle [kg](*)	:	3500
	(*) According to the tyre specification		

Main dimensions

4.2.2.	For complete vehicles		
4.2.2.1.1.	Length for on-road use [mm]	Maximum:	12000
		Minimum:	6500
4.2.2.1.2.	width for on-road use [mm]	Maximum:	2550
		Minimum:	1700
4.2.2.1.3.	Height for on-road use [mm]	Maximum:	4000
		Minimum:	2500
4.2.2.5.	Wheelbase [mm]	Maximum:	8900
		Minimum:	3000
4.2.2.7.1.	Distance between the coupling point and the first axle [mm]	Maximum:	8900
		Minimum:	3000
4.2.2.7.2.	Distance between the coupling point and the last axle [mm]	Maximum:	8900
		Minimum:	3000

Braking

43.4.6.	Electronic braking system	:	not applicable
43.7.4.	Connections type	:	not applicable
43.7.1.	Towed vehicle braking control system technology	:	not applicable
43.7.5.	Electrical control line	:	not applicable
43.7.6.	Presence of ISO 7638:2003 connector	:	not applicable

Mechanical couplings

38.4.	Front coupling device		
38.4.1.	Type	:	three-point connection
	Make	:	LEMKEN

Manufacturer's type designation	:	KAT 3
(EU) Type-approval mark or -number	:	ISO 730
D-Value [kN]	:	30,94
Maximum permissible vertical load on coupling point [kg]	:	3500
Position of coupling point		
Height above ground [mm]	Minimum:	200
	Maximum:	450
Distance from vertical plane passing through the axis of the rear axle [mm]	Minimum:	3000
	Maximum:	8900

Comments

Permissible Tyre combination according to Annex 1

Permissible front coupling device according to Annex 2

Annex 1

4.1.2.2 Tyre combinations

Tyre combination No.	Axle No.	Tyre dimension including load capacity index and speed category symbol	Rolling radius [mm]	Tyre Load - rating per tyre [kg]	Maximum permissible mass per axle [kg] (*)	Maximum permissible mass of the vehicle [kg] (*)	Maximum permissible vertical load on the coupling point [kg] (*) (**)	Track width [mm]	
								Minimum	Maximum
1	1	400/55-22.5 152 A8	2935 - 3505	3550	3500	3500	not applicable	not applicable	
2	1	500/45-22.5 154 A8		3750	3500	3500			
3	1	500/60-22.5 157 A8		4125	3500	3500			

(*) According to the tyre specification.

(**) Load transmitted to the reference centre of the coupling under static conditions, irrespective to the coupling device; if the maximum permissible vertical load on the coupling point depending on the coupling is indicated in this table, expand the table at the right side and indicate the identification of the coupling device in the header of the column; for R- or S-category vehicles this column(s) concerns the rear coupling devices if there is such a device.

(***) Value to be provided only if the maximum permissible vertical load on the coupling point is lower than indicated in entries 38.3 and 38.4

Annex 2

38.4 Front coupling devices

Type (according to Appendix 1 to Annex XXXIV to Commission Delegated Regulation (EU) 2015/208):			three-point connection	
Make:			LEMKEN	
Manufacturer's type designation:			KAT 3N / 3 / 4N	
(EU) Type-approval mark or -number:			ISO 730	
Maximum horizontal load / D-Value [kN]:			30,94	
Towable mass (T) [kg]:			not applicable	
Maximum permissible vertical load on coupling point [kg]:			3500	
Position of coupling point	Height above ground [mm]	Minimum:	200	
		Maximum:	450	
	Distance from vertical plane passing through the axis of the rear axle [mm]	Minimum:	3000	
		Maximum:	8900	