VEHICLE TECHNICAL DOSSIER / CATEGORY O4

RAPIDCOC DEMO Semitrailers / O4

Semitrailer / Category O4

Scan to check authenticity

Vehicle identification number	SCHEMA-DEMO-NOT-A-VEHICLE

01 SYNTHETIC SCHEMA EXAMPLE

Demonstration only	Illustrative data. Not a real vehicle. Not valid for registration or issuance.

02 VEHICLE IDENTIFICATION

Manufacturer legal name	RapidCOC Demonstration Manufacturer	Manufacturer country	Illustrative EU market
Type	DEMO-TYPE	Variant	DEMO-VARIANT
Version	DEMO-VERSION	Model year	2026
Manufacture year	2026	Market specification	EU example

03 TYPE APPROVAL & COMPLETION

EU type approval	DEMO-APPROVAL-NOT-VALID	Approval date	2026-01-15
Approval extension	DEMO-01	Vehicle completion status	Complete (example)
Statutory plate location	Right-hand body pillar (example)		

04 CONSTRUCTION STAGES

Stage	Manufacturer	Approval reference	Status
1	Demo manufacturer	DEMO-BASE	Complete

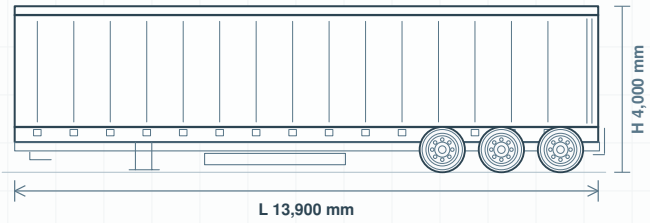
TECHNICAL DESCRIPTION / CATEGORY O4

Technical schema / O4

FIGURE 1 / CATEGORY-ADAPTED VEHICLE GEOMETRY

ENGINEERING PROFILE / SEMITRAILER

SCHEMATIC - NOT TO SCALE



CATEGORY STUDY / RECORDED DIMENSIONS / NOT MODEL-EXACT

05 BODY CONFIGURATION

Body type	Curtain-side semitrailer	Body colour	Grey (example)

06 SPECIAL EQUIPMENT

Landing legs	Two-speed mechanical landing legs	Load securing	Four rated lashing points (example)

07 DIMENSIONS & GEOMETRY

Overall length	13,900 mm	Overall width	2,550 mm
Overall height	4,000 mm	Front track	1,600 mm
Rear track	1,610 mm	Loading length	13,600 mm
Loading width	2,480 mm	Loading height	2,700 mm
Ground clearance	150 mm	Kingpin to rear distance	12,000 mm
Kingpin to axle group distance	8,000 mm		

08 MASSES, AXLE RATINGS & PAYLOAD

Mass in running order	7,000 kg	Unladen mass	7,000 kg
Maximum laden mass	39,000 kg	Axle 1 mass limit	9,000 kg
Axle 2 mass limit	9,000 kg	Axle 3 mass limit	9,000 kg
Payload	32,000 kg	Actual vehicle mass	7,000 kg
Registration maximum laden mass	39,000 kg	Optional equipment mass	0 kg

CONTINUED TECHNICAL INFORMATION / CATEGORY O4

09 AXLE CONFIGURATION

Number of axles	3	Axle arrangement	Three non-driven axles
Twin tyres	No		
Individual axle specifications	Axle: 1 | Position: Axle 1 | Maximum mass kg: 9000 | Tyre: 385/65 R22.5 160K | Rim: 11.75x22.5 | Axle: 2 | Position: Axle 2 | Maximum mass kg: 9000 | Tyre: 385/65 R22.5 160K | Rim: 11.75x22.5 | Axle: 3 | Position: Axle 3 | Maximum mass kg: 9000 | Tyre: 385/65 R22.5 160K | Rim: 11.75x22.5		

10 WHEELS & RIMS

Wheel count	6	Front rim	11.75x22.5
Rear rim	11.75x22.5		

11 TYRES & APPROVED CONFIGURATIONS

Homologated alternative tyres	Position: Axle 1 | Tyre: 385/65 R22.5 160K | Rim: 11.75x22.5 | Conditions: Synthetic example configuration only | Position: Axle 2 | Tyre: 385/65 R22.5 160K | Rim: 11.75x22.5 | Conditions: Synthetic example configuration only | Position: Axle 3 | Tyre: 385/65 R22.5 160K | Rim: 11.75x22.5 | Conditions: Synthetic example configuration only		
Selected Installed Configuration	Position: Axle 1 | Tyre: 385/65 R22.5 160K | Rim: 11.75x22.5 | Conditions: Synthetic example configuration only | Position: Axle 2 | Tyre: 385/65 R22.5 160K | Rim: 11.75x22.5 | Conditions: Synthetic example configuration only | Position: Axle 3 | Tyre: 385/65 R22.5 160K | Rim: 11.75x22.5 | Conditions: Synthetic example configuration only		
Axle 3 tyre	385/65 R22.5 160K	Front tyre pressure	250 kPa
Rear tyre pressure	250 kPa	Tyre pressure load condition	Normal load, cold tyres (example)
Tyre pressure monitoring	Direct TPMS (example)		

12 SUSPENSION

Front suspension	Air suspension	Rear suspension	Air suspension

13 BRAKING SYSTEMS

Service brake	Pneumatic EBS	Parking brake	Spring-applied pneumatic
Front brake type	Discs	Rear brake type	Discs
Anti-lock braking	Yes		

CONTINUED TECHNICAL INFORMATION / CATEGORY O4

14 COUPLING EQUIPMENT

Coupling system	Kingpin	Coupling approval mark	DEMO-COUPLING-NOT-VALID
Maximum vertical load	12,000 kg	Kingpin Diameter Mm	50.8 mm
Coupling D value	150 kN	Permitted fifth-wheel load	12,000 kg

15 ELECTRICAL SYSTEMS

Nominal system voltage	12 V

DOCUMENT RECORD

Issue record	Document reference	Revision
SAMPLE - NOT ISSUED	QA-SCHEMA-12-O4-none	01