VEHICLE TECHNICAL DOSSIER / CATEGORY N3

RAPIDCOC DEMO Road tractor units / N3

Road tractor / Category N3

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

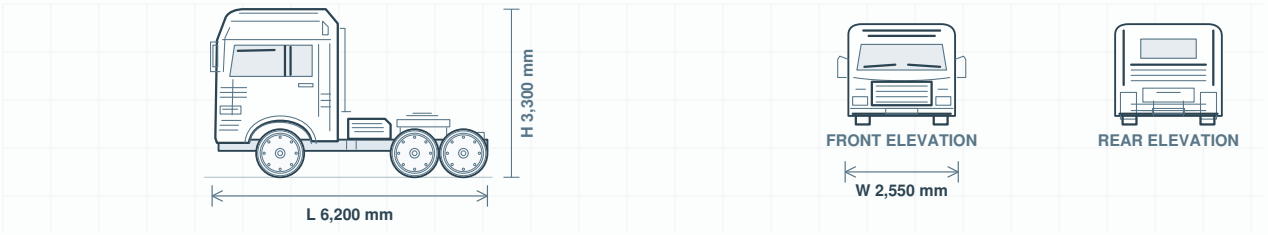
TECHNICAL DESCRIPTION / CATEGORY N3

Technical schema / N3

FIGURE 1 / CATEGORY-ADAPTED VEHICLE GEOMETRY

ENGINEERING PROFILE / TRACTOR

SCHEMATIC - NOT TO SCALE



CATEGORY STUDY / RECORDED DIMENSIONS / NOT MODEL-EXACT

05 ENGINE & PROPULSION

Fuel/energy type	Diesel	Propulsion type	Internal combustion
Engine designation	DEMO-ENGINE	Displacement	12,700 cm³
Maximum net power	330 kW	Speed at maximum power	1800 rpm
Maximum torque	2300 N·m	Working principle	Compression ignition
Cylinders	6	Cylinder configuration	In-line
Engine cycles	4	Induction technology	Turbocharged
Injection method	Direct injection	Cooling method	Liquid cooling
Engine speed at maximum torque	1000 rpm	Fuel tank capacity	400 L

06 DRIVETRAIN & PERFORMANCE

Driven wheels	Rear axle drive	Design speed	90 km/h

07 TRANSMISSION

Gearbox type	Automated manual	Number of gears	12
Final drive ratio	3.2	Reverse gears	1

08 OVERALL DIMENSIONS

Overall length	6,200 mm	Overall width	2,550 mm
Overall height	3,300 mm	Wheelbase	3,800 mm
Front track	1,600 mm	Rear track	1,610 mm

CONTINUED TECHNICAL INFORMATION / CATEGORY N3

08 OVERALL DIMENSIONS (CONTINUED)

Front overhang	1,400 mm	Rear overhang	1,000 mm
Ground clearance	150 mm	Turning circle	18 m
Width including mirrors	2,900 mm	Turning circle between kerbs	18 m
Turning circle between walls	19 m		

09 MASSES, AXLE RATINGS, COMBINATION LIMIT & PAYLOAD

Mass in running order	9,000 kg	Unladen mass	8,925 kg
Maximum laden mass	26,000 kg	Axle 1 mass limit	8,000 kg
Axle 2 mass limit	10,000 kg	Axle 3 mass limit	10,000 kg
Maximum combination mass	44,000 kg	Payload	16,800 kg
Actual vehicle mass	9,200 kg	Registration maximum laden mass	26,000 kg
Optional equipment mass	200 kg		

10 AXLE CONFIGURATION

Number of axles	3	Axle arrangement	6x2
Twin tyres	Yes		
Individual axle specifications	Axle: 1 | Position: Axle 1 | Maximum mass kg: 8000 | Tyre: 315/70 R22.5 154/150L | Rim: 9x22.5 | Axle: 2 | Position: Axle 2 | Maximum mass kg: 10000 | Tyre: 315/70 R22.5 154/150L | Rim: 9x22.5 | Axle: 3 | Position: Axle 3 | Maximum mass kg: 10000 | Tyre: 315/70 R22.5 154/150L | Rim: 9x22.5		

11 WHEELS & RIMS

Wheel count	8	Front rim	9x22.5
Rear rim	9x22.5	Axle 3 rim	9x22.5

12 TYRES & APPROVED CONFIGURATIONS

Homologated alternative tyres	Position: Axle 1 | Tyre: 315/70 R22.5 154/150L | Rim: 9x22.5 | Conditions: Synthetic example configuration only | Position: Axle 2 | Tyre: 315/70 R22.5 154/150L | Rim: 9x22.5 | Conditions: Synthetic example configuration only | Position: Axle 3 | Tyre: 315/70 R22.5 154/150L | Rim: 9x22.5 | Conditions: Synthetic example configuration only

CONTINUED TECHNICAL INFORMATION / CATEGORY N3

12 TYRES & APPROVED CONFIGURATIONS (CONTINUED)

Selected Installed Configuration	Position: Axle 1 | Tyre: 315/70 R22.5 154/150L | Rim: 9x22.5 | Conditions: Synthetic example configuration only | Position: Axle 2 | Tyre: 315/70 R22.5 154/150L | Rim: 9x22.5 | Conditions: Synthetic example configuration only | Position: Axle 3 | Tyre: 315/70 R22.5 154/150L | Rim: 9x22.5 | Conditions: Synthetic example configuration only

Axle 3 tyre	315/70 R22.5 154/150L	Front tyre pressure	800 kPa
Rear tyre pressure	800 kPa	Tyre pressure load condition	Normal load, cold tyres (example)
Tyre pressure monitoring	Direct TPMS (example)		

13 BRAKING SYSTEMS

Service brake	Dual-circuit pneumatic EBS	Parking brake	Spring-applied pneumatic
Front brake type	Ventilated discs	Rear brake type	Discs
Anti-lock braking	Yes	Front brake disc diameter	320 mm
Rear brake disc diameter	300 mm		

14 SUSPENSION

Front suspension	Independent strut suspension	Rear suspension	Air suspension

15 STEERING

Steering system	Rack and pinion	Steering side	Left
Power steering	Electric power assistance		

16 COUPLING EQUIPMENT

Coupling system	Fifth wheel	Coupling approval mark	DEMO-COUPLING-NOT-VALID
Maximum vertical load	15,000 kg	Fifth wheel height	1,200 mm
Installed Fifth Wheel	Demo fifth wheel	Coupling D value	150 kN
Permitted fifth-wheel load	15,000 kg		

17 ELECTRICAL SYSTEMS

Nominal system voltage	24 V

CONTINUED TECHNICAL INFORMATION / CATEGORY N3

18 EMISSIONS & TEST PROCEDURE

Emissions standard	Euro VI (example)	Emissions test procedure	WHTC (illustrative)
Heavy-duty test cycle	WHTC	NOx per engine work	0.35 g/kWh

19 SAFETY EQUIPMENT

Automatic emergency braking	Yes	Blind-spot monitoring	Yes
Emergency call system	Yes		

20 SOUND MEASUREMENTS

Stationary noise	73 dB(A)	Stationary engine speed	3000 rpm
Drive-by noise	69 dB(A)		

21 PASSENGER CAPACITY & ACCESS

Seated passenger places	2

DOCUMENT RECORD

Issue record	Document reference	Revision
SAMPLE - NOT ISSUED	QA-SCHEMA-15-N3-ICE	01