VEHICLE TECHNICAL DOSSIER / CATEGORY L4E

RAPIDCOC DEMO Motorcycles with sidecar / L4e

Motorcycle with sidecar / Category L4e

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

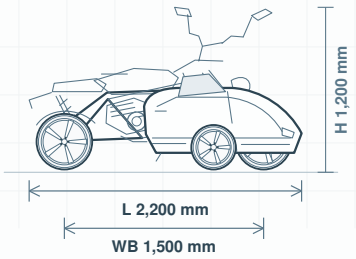
TECHNICAL DESCRIPTION / CATEGORY L4e

Technical schema / L4e

FIGURE 1 / CATEGORY-ADAPTED VEHICLE GEOMETRY

ENGINEERING PROFILE / SIDECAR

SCHEMATIC - NOT TO SCALE



CATEGORY STUDY / RECORDED DIMENSIONS / NOT MODEL-EXACT

05 ENGINE & PROPULSION

Fuel/energy type	Petrol	Propulsion type	Internal combustion
Engine designation	DEMO-ENGINE	Displacement	650 cm³
Maximum net power	50 kW	Speed at maximum power	8500 rpm
Maximum torque	60 N·m	Working principle	Spark ignition
Cylinders	2	Cylinder configuration	In-line
Engine cycles	4	Induction technology	Turbocharged
Injection method	Direct injection	Cooling method	Liquid cooling
Engine speed at maximum torque	6500 rpm	Fuel tank capacity	17 L

06 DRIVETRAIN & PERFORMANCE

Driven wheels	Rear wheel, chain	Design speed	170 km/h

07 TRANSMISSION

Gearbox type	Manual	Number of gears	6
Final drive ratio	3.2	Reverse gears	0

08 OVERALL DIMENSIONS

Overall length	2,200 mm	Overall width	1,700 mm
Overall height	1,200 mm	Wheelbase	1,500 mm
Front overhang	300 mm	Rear overhang	400 mm
Ground clearance	150 mm	Turning circle	5 m
Width including mirrors	1,900 mm	Turning circle between kerbs	5 m
Turning circle between walls	5.3 m		

CONTINUED TECHNICAL INFORMATION / CATEGORY L4e

09 MASSES, AXLE RATINGS & PAYLOAD

Mass in running order	220 kg	Unladen mass	210 kg
Maximum laden mass	420 kg	Axle 1 mass limit	180 kg
Axle 2 mass limit	260 kg	Payload	195 kg
Actual vehicle mass	225 kg	Registration maximum laden mass	420 kg
Optional equipment mass	5 kg		

10 AXLE CONFIGURATION

Number of axles	3	Axle arrangement	Motorcycle with offset sidecar wheel
Twin tyres	No		
Individual axle specifications	Axle: 1 | Position: Axle 1 | Maximum mass kg: 180 | Tyre: 120/70 R17 58W | Rim: 3.50x17 | Axle: 2 | Position: Axle 2 | Maximum mass kg: 260 | Tyre: 180/55 R17 73W | Rim: 5.50x17 | Axle: 3 | Position: Sidecar | Tyre: 4.00-19 71P | Rim: Sidecar rim (example)		

11 WHEELS & RIMS

Wheel count	3	Front rim	3.50x17
Rear rim	5.50x17		

12 TYRES & APPROVED CONFIGURATIONS

Homologated alternative tyres	Position: Axle 1 | Tyre: 120/70 R17 58W | Rim: 3.50x17 | Conditions: Synthetic example configuration only | Position: Axle 2 | Tyre: 180/55 R17 73W | Rim: 5.50x17 | Conditions: Synthetic example configuration only | Position: Axle 3 | Tyre: 4.00-19 71P | Rim: Sidecar rim (example) | Conditions: Synthetic example configuration only
Selected Installed Configuration	Position: Axle 1 | Tyre: 120/70 R17 58W | Rim: 3.50x17 | Conditions: Synthetic example configuration only | Position: Axle 2 | Tyre: 180/55 R17 73W | Rim: 5.50x17 | Conditions: Synthetic example configuration only | Position: Axle 3 | Tyre: 4.00-19 71P | Rim: Sidecar rim (example) | Conditions: Synthetic example configuration only

Front tyre	120/70 R17 58W	Rear tyre	180/55 R17 73W
Installed Sidecar	4.00-19 71P	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)		

13 BRAKING SYSTEMS

Service brake	Hydraulic	Front brake type	Ventilated discs
Rear brake type	Discs	Anti-lock braking	Yes
Sidecar Brake	Hydraulic disc (example)	Front brake disc diameter	300 mm

CONTINUED TECHNICAL INFORMATION / CATEGORY L4e

13 BRAKING SYSTEMS (CONTINUED)

Rear brake disc diameter	240 mm	Advanced braking system (ABS/CBS)	ABS

14 SUSPENSION

Front suspension	Telescopic fork	Rear suspension	Swing arm with monoshock

15 STEERING

Steering system	Handlebar

16 SOUND MEASUREMENTS

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

17 EMISSIONS & TEST PROCEDURE

Emissions standard	Euro 5 (example)	Emissions test procedure	WMTC (illustrative)

18 BODY CONFIGURATION

Body type	Motorcycle with sidecar	Body colour	Grey (example)
Seat count	2 seats		

19 PASSENGER CAPACITY & ACCESS

Seated passenger places	2	Sidecar Seat Count	1

20 SAFETY EQUIPMENT

Automatic emergency braking	Yes	Blind-spot monitoring	Yes
Emergency call system	No		

21 ELECTRICAL SYSTEMS

Nominal system voltage	12 V

DOCUMENT RECORD

Issue record	Document reference	Revision
SAMPLE - NOT ISSUED	QA-SCHEMA-13-L4E-ICE	01