



TECHNICAL SCHEME

RENAULT "K" 4x4 E6 converted to 3 axles (cat. N3G)

configuration 1+2 rear steer – Gross Vehicle Weight 25000 kg
Technical maximum 31000 kg



DESCRIPTION

The above three axle configuration is achieved by adding a single wheel rear steering axle with pneumatic suspension to the base vehicle (4X4). The hydraulic supply to the added steering axle is completely independent and autonomous to the vehicle's hydraulic circuit, therefore the steering performance or vehicle drivability is not impacted in any way. The vehicle in this configuration can be used either as a road vehicle or off-road vehicle.

DIMENSIONS AND BODY LENGTHS

Cabin type	SHORT (distance 1st axle ÷ start of body = 615 mm)					
	3600	3700	4000	4300	4600	4900
Interaxis 1st - 2nd axle	3600	3700	4000	4300	4600	4900
Interaxis 2nd – 3rd axle	1405					
Minimum body length (*)	6000	6200	6700	7300	7800	8300
Maximum body length (*)	6500	6700	7300	7800	8400	8900
Mass limit: 1st axle (drive): 8000 (9000), 2nd axle (drive): 11500, 3rd axle: 7500 (added)						
Technical potential mass : 1st axle (drive) 9000, 2nd axle (drive): 13000, 3rd axle: 9000 (added)						

Values expressed in kg & mm.

NB (*): The body length dimensions as indicated above are theoretical (calculated with PTT 25 tons and mass limits of 8/11,5/7.5) and they must be verified in function with the effective configuration of the vehicle.

TECHNICAL NOTES

- The added axle is constructed with commercially available drum brakes.
 - The suspension on the drive axles are mechanical with parabolic springs.
 - The suspension on the added rear axle is pneumatic (semi-spring + air bellow).
 - Patented independent hydraulic steering system with automatic centering in emergency condition.
 - Steering system hydraulic pump mounted directly on engine with S.T. designed interface (DIN5462) with output splined shaft.
 - Fully automatic axle lift and drop system.
 - Homologated tyres are as follows: 315/80 R22.5 (drive axle) and 385/65 R22.5 (on the 1st & 3rd axle).
 - The increase in overall vehicle kerb weight is ~1050 kg (tyres included).
 - The vehicle has been fully tested by the Ministry of Transport and WVTA is in progress.
- **For further information contact S.T. SYSTEM TRUCK S.p.A. 0039.0376.696809 or info@stsystemtruck.com**

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