

S-WAY AD/AT 440S40T CNG - WHEELBASE 3800 MM

IVECO S-Way AD/AT 190S40 CNG

CNG CAPACITY 1052 l

GCW 45 t



DESCRIPTION

Brand new conversion designed and realised by System Truck in order to achieve a road tractor with a wheelbase of 3800 mm. The converted vehicle has EWVTA (European Whole Vehicle Type Approval) for complete vehicle; meaning it is equipped with a fifth wheel and with all the systems (mudguards, lights, etc.) necessary for registration with no need for further tests.

The narrow cabin and the natural gas engine (with a greater autonomy than the standard IVECO tractor, which offers a tank volume of 920 litres) make this configuration perfect for working also within city centres, with narrow passages, poor visibility and restricted traffic areas.

The conversion is carried out – starting from an S-Way AD/AT 190S CNG rigid with a short cabin (AD) or narrow sleeping cabin (AT) – through:

- wheelbase reduction from the original 4500 mm and the adjustment of the rear overhang;
- repositioning of the CNG cylinders on the left-hand side in a forward position and the application of specific brackets to protect them from accidental impact with the semi-trailer;
- installation of a specific vertical battery box designed and manufactured by System Truck, of the fifth wheel and corresponding bracketry;
- construction of the catwalk behind the cabin and of the step (on the left-hand side);
- repositioning of all the pneumatic and electrical pipework and harness for connection to the semi-trailer behind the cabin;
- repositioning of the side lights in the positions required by the regulations in force;
- application of mudguards (identical to the original IVECO mudguards) fitted with homologated splash guards on the drive axle;
- adaptation of the braking system to the tractor version and subsequent reprogramming of the vehicle for the new configuration.

TECHNICAL NOTES

Specifications of the **base vehicle** for the conversion to tractor:

Model	IVECO S-Way AD/AT 190S40 CNG		
Engine	Cursor 9 CNG 400 HP		
Gearbox	ZF Traxon TX-12M (Allison automatic gearbox is not permitted)		
Suspensions	/P (rear pneumatic) <i>or</i> /FP (full pneumatic)		
Wheelbase (mm)	4500		
CNG cylinders (l)	left	2x115 + 2x148 <i>or</i> 4x80 ¹ <i>or</i>	without ¹
	right	2x115 + 2x148 <i>or</i> 4x80 ¹	
Tyres	front	rear	
		315/60 R22.5	315/60 R22.5
		315/70 R22.5	315/70 R22.5
		295/80 R22.5	295/80 R22.5
		315/80 R22.5	315/80 R22.5
		355/50 R22.5	315/60 R22.5
		385/55 R22.5	315/70 R22.5
	385/65 R22.5	315/80 R22.5	

Specifications of the **vehicle converted** to tractor:

Model	IVECO S-Way AD/AT 440S40T CNG		
Wheelbase (mm)	3800		
Maximum allowed weights (kg) ²	1 st axle	7500 / 8000 / 8600 / 9000	
	2 nd axle (drive axle)	12600 / 13000	
GVW ³ (max) (kg)	20000		
GCW ⁴ (max) (kg)	45000		

The **fifth wheel** and the fifth wheel support plate to be installed can be chosen from a variety of types and heights, depending on the customer's specific requirements, including the pneumatically controlled Jost JSKDH (Dual Height) fifth wheel, or the sliding fifth wheel.

For even greater safety and comfort for the user, one or more of the following options can be requested: an **extended catwalk** reaching back to the fifth wheel (instead of the standard short one); additional **guards** to protect the CNG cylinders on the upper side; a kit of one or two powerful **lights** to illuminate the working area behind the cab.

The converted vehicle is homologated with II stage European homologation (WVTA) and is accompanied by the certificate of conformity (CoC).

For any further information and to ask for custom designed solutions to meet your specific needs, please don't hesitate to contact our Commercial Office:

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¹ For this CNG cylinders configuration, feasibility of the conversion must be checked beforehand with System Truck engineering according to the actual vehicle configuration.

² Maximum allowed weights are unchanged with respect to the base vehicle.

³ Gross Vehicle Weight.

⁴ Gross Combination Weight: maximum technically allowable weight of the combined vehicle (tractor + semi-trailer).