



TECHNICAL SHEET

IVECO AD-AT 190S 4x2 into 6x2 - configuration 1+2P

Maximum mass 26000 kg



DESCRIPTION

The transformation to 3 axles from a vehicle with 2 axle (4x2) with mechanical rear suspensions is achieved **by the application of a rear axle**, with single wheels, hydraulically steered and pneumatic or mixed suspension.
 The hydraulic system for command steering on the added axle is completely independent and autonomous and does not effect in any way the steering on the original vehicle.
 The vehicle in this configuration is suitable for bodies uniform loads in general.

DIMENSIONS AND BODY FITTING

Type of cabin	SHORT (distance 1 st axle ÷ start of body = 465 mm)						LONG (distance 1 st axle ÷ start of body = 910 mm)					
	3500	3800	4200	4500	4800	5100	3500	3800	4200	4500	4800	5100
Wheelbase vehicle (*)	3500	3800	4200	4500	4800	5100	3500	3800	4200	4500	4800	5100
Interaxis 2 nd ÷ 3 rd axle	1360 (with mixed suspension) or 1440 (with pneumatic suspension)											
Minimum body fitting	5500	6050	6750	7200	7700	8200	4700	5200	5850	6350	6850	7350
Maximum body fitting	6000	6600	7250	7750	8350	8850	5100	5700	6450	6950	7450	8000
Max limit: 1 st axle: 8000 (7500), 2 nd axle (drive axle): 12000, 3 rd axle: 7500												

Values are in kg and mm.

(*) All intermittent wheelbases not detailed in the table are also available.

Note: the body fitting sizes specified are theoretical and must be checked in function of the real configuration of the vehicle.

TECHNICAL NOTE

- Increase in vehicle tare from application of the axle equipped with tyres is approximately 950 kg.
- The turning radius remains with respect to 2 axle vehicles with the same wheelbase.
- The **suspension** of the 3rd added axle can be:
 - **"mixed"**, with parabolic or semilitic spring (same as drive axle) + pneumatic torpress bellows. The axle is fitted with an lifting device, controlled from the cabin, to be used in slippery conditions to improve friction under the drive axle;
 - **pneumatic**, with semi-spring single leaf + pneumatic bellow diapress, with axle lifting, to be used in slippery conditions to improve friction under the drive axle.
- The added axle is equipped with drum brakes the same as original Iveco.
- The **rear added axle** can be:
 - a **full command hydraulically steered axle** in both forward and reverse directions, type "TECHNOLOGY", always active (even in stationary manoeuvres);
 - a **simple self-steer axle** (not with hydraulic command, must be blocked in reverse).

For further information contact **BRENDAN RYAN 0039.0376.696809** or bryan@stsystemtruck.com

