



TECHNICAL SHEET

IVECO ML220E Euro6 6x2 - configuration 1+2P

Maximum mass 22000 kg



DESCRIPTION

The conversion to 3 axles from a 4x2 vehicle is achieved by the application of a rear original IVECO axle, with single wheels, hydraulically steered and pneumatic suspension.
 The hydraulic steering system on the rear axle is completely independent and autonomous. It does not impact in any way the steering comfort or effort of the original vehicle.

DIMENSIONS AND BODY FITTING

Type of cab	DAY (D _{min} : distance 1st axle to start of body = 300 mm)								SLEEPER (D _{min} : distance 1st axle to start of body = 880 mm)							
	Vehicle wheelbase	3105	3690	4185	4455	4815	5175	5670	6210	3690	4185	4455	4815	5175	5670	6210
Distance between axle centers 2 + 3	1395															
Minimum body fitting	5400	6400	7200	7700	8300	8900	9750	n.d.	5250	6100	6550	7200	7800	8650	9600	
Maximum body fitting	5600	6600	7500	7950	8600	9200	10000	n.d.	5500	6350	6850	7500	8100	9000	9750	
Max limit: 1st axle: 5800, 2nd axle (motor): 10900, 3rd axle: 5800																
Minimum body fitting	5300	6250	7050	7500	8100	8700	9550	10250	5100	5900	6400	7000	7600	8400	9250	
Maximum body fitting	5750	6800	7550	8050	8700	9300	10000	10300	5650	6450	6950	7600	8200	9100	9750	
Max limit: 1st axle: 6100, 2nd axle (motor): 11000, 3rd axle: 6000																

Values are in kg and mm.

Note: the body fitting sizes specified are theoretical and must be checked in function of the real configuration of the vehicle, with particular reference to the quotation D (distance 1st axle o start of body), which can be variable in accordance with the height of a subframe.

TECHNICAL NOTES

- The increase in vehicle weight as a 6X2 wrt the base vehicle 4x2 is ~ 900 kg.
- The turning radius remains invariable wrt the two-axle vehicle with the same wheelbase.
- The suspension of the 3rd axle is pneumatic (same as the drive axle), with semi-spring single leaf and pneumatic air bellow.
- The 3rd axle is fitted with an automatic axle lift system with voluntary exclusion (the unloaded vehicle normally drives with the 3rd axle lifted; the axle drops automatically when the vehicle is loaded or with the voluntary command in the cab).
 - The system also benefits from a load transfer function which increase traction on the drive axle on low adherence surfaces up to 30 km/hr.
 - The rear axle is fitted with full command hydraulic steering with an independent circuit type S.T. System Truck "TECHNOLOGY" which is always active, even when the vehicle is stationary and functions in both forward and reverse.
 - The vehicle is available with the following tyres 285/70 R19.5 (only with max drive axle limit of 10900 kg) and 305/70 R19.5.
- **The vehicle is ordered through IVECO specifying the following IVECO CCM's : 12935 - 74434 - 74488 - 74427.**

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