

## MOBILE LABORATORIES



# 6.1

## MOBILE LABORATORIES

## A MOBILE LABORATORY MEANS:

- performance of tests as and when required with immediate results
- getting to destination quickly fully-equipped for the job
- follow up and monitoring of several sites simultaneously
- EFFICIENCY, ORGANIZATION and SAFETY





FOR THE CHOICE OF TESTING EQUIPMENT AND MACHINES PLEASE REFER TO THE SPECIFIC SECTIONS.



## LABORATORIES IN CONTAINERS AND IN MONOBLOC CONTAINERS

We can either fit out containers or vans owned by the customers or supply "turn-key" laboratories on MONOBLOC CONTAINERS such as our standard model M 916/6.

Depending on the amount of room available and specific requirements, we establish the quantity and location of benches, desks, cabinets, sinks, hoods, toilets, etc.

The laboratory can be fitted with heating and air conditioning, a generator, a compressor, etc.

As a general rule, there is sufficient room in 6 m long container or monobloc container to fit a concrete or asphalt testing laboratory. Upon request, mobile laboratories 9 or 12 metres long can be supplied.

### MONOBLOC CONTAINER 6 m LONG

#### FOR MOBILE LABORATORY

M 916/6

**BEARING STRUCTURE** similar to lightweight ISO containers (300 kg/m<sup>2</sup> capacity). Base frame and floor supporting elements in sheet metal and galvanized steel complete corner uprights. Complete with gutter frame and N° 4 ISO corner blocks to allow connection via twist lock to standard trailers or trailer model M 916/T.

**ENAMELING:** acrylic enamel RAL 9002 (60 micron thick coating).  
**FLOOR:** insulated panels in polystyrene 30 mm thick, non-slip rubber coating 1.3 mm thick or, in alternative (optional), non-slip aluminium.

**WALLS:** sandwich-type reinforced panels comprising double, pre-enameled (RAL 9002 colour) sheet metal, micro-ribbing 4/10 thick and foamed polyurethane.

**ROOF:** sandwich-type panels comprising an outer support in pre-enameled (RAL 9002) and fretted sheet metal and an inner support in pre-enameled (RAL 9002) sheet metal, micro-ribbing and foamed polyurethane with density 40 kg/cb<sup>3</sup>.

THE MONOBLOC IS SUPPLIED COMPLETE WITH:

- window and door frames in aluminium and painted PVC
  - 1 blind door 970 x 2050 (h) mm
  - 3 windows, wing type in crash-proof glass with PVC rolling shutter and curtain measuring 970 x 1200 (h) mm
- electric wiring system with self-extinguishing PVC pipes on view comprising:
  - general panel with differential switch magnetic thermal protective switches;
  - junction box for connection to external power supply; terminal for grounding; 2 switches; 2 dual plugs 16 A; 2 neon ceiling lights 1 x 58W, 1 external ceiling light 60 W;
- water supply system with tank 70-80 litres and electric foot pump. Water plug connection from the outside and relevant drainage to the outside. Stainless steel sink with its own cabinet.
- Pre-setting for air conditioning

**USEFUL INNER DIMENSIONS:** 5800 x 2440 x 2385 (h) mm.

**USEFUL OUTER DIMENSIONS:** 6000 x 2440 x 2685 (h) mm.

**WEIGHT:** 1400 kg.

#### Accessories:

M 911/G	Cupboard for generator with door outside and independant closure
M 922	Stepladder for access to laboratory
M 923	Generating set kVA 4 (3.6 kW). Petrol engine. Start by rope
M 925/6	Generating set kVA 7 (5.6 kW). Diesel engine. Electric start
M 925/8	Generating set kVA 10 (8 kW) Diesel engine. Electric start
M 931	Office set: blackboard, waste basket, lamp, clothes hook, file holder
M 934	Metal cabinet. 50 x 50 x 60 (h) cm
M 940	Mechanical hydraulic unit for automatic Marshall compactor
M 941	Mechanical-hydraulic unit for Proctor/C.B.R. compactor
M 942	Special crane for loading/unloading
M 943	Anchorage counter frame for compression machine max. 3000 kN
M 944	Reinforced area of floor for heavy machinery
M 945	Customer's logo on the exterior
M 951	Electric aspirator (mounted on ceiling)
M 952	Air conditioning system, 7000 Btu - 800 watt (cooling and heating)
M 952/9	Air conditioner cooling/heating 9000 BTU - 1000 Watts
M 954	Electric fumes hood
M 960	Placing and fixing of machines on M 916/6 (6 m mobile lab.)
M 994	Decomposable anti-vibration frame (telescopic feet) for generating set. To be placed in M 911/G
M 995	Assembly for 6 m, mobile laboratory on chassis or trailer

#### WORK BENCH: 2 m LONG

DV 808/F2

Wooden worktop (38 mm thick), exceptionally strong, covered in sheet steel. Two drawer units and two doors.

**DIMENSIONS:** 2000 x 750 x 900 (h) mm.

**WEIGHT:** 120 kg.

#### WORK BENCH: 2 m LONG

DV 808/L2

Steel sheet worktop, with four drawers, two lockers and two cupboards. Very robust construction.

**DIMENSIONS:** 2000 x 670 x 900 (h) mm.

**WEIGHT:** 100 kg.

#### METAL DESK

DV 809

Classic model. Top 1600 x 800 mm.

#### FILING CABINET ON WHEELS (3 DRAWERS)

DV 809/C

#### STOOL

DV 804

#### CHAIR ON WHEELS (IMITATION LEATHER)

DV 805

#### METAL CUPBOARD

DV 807/1

In cold-rolled sheet steel, stove enamelled in pearl grey colour. Sliding doors. Complete with five adjustable shelves.

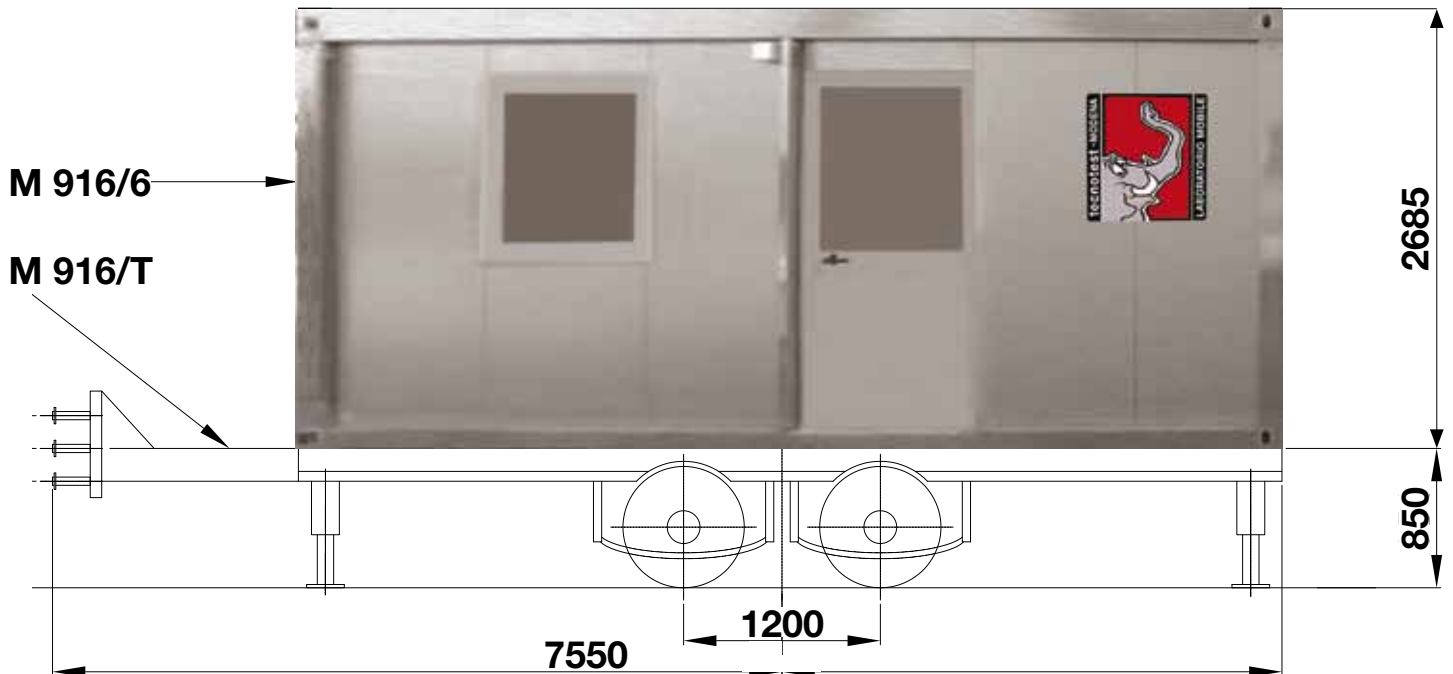
**DIMENSIONS:** 1200 x 500 x 2000 (h) mm.

**WEIGHT:** 79 kg.





## TANDEM AXLE TRAILER FOR MOBILE LABORATORIES IN CONTAINERS AND MONOBLOC CONTAINERS 6 m LONG



### 6 m LONG TANDEM AXLE TRAILER FOR MOBILE LABORATORY (M 916/6)

M 916/T

The TANDEM AXLE TRAILER is a homologated twin axle trailer with low bed and single tyre.

The tandem axle trailer is supplied in frame version complete with:

- fifth tyre with relevant holder for spare wheel
- static securing feet
- tool box
- 2 lateral alloy bars as per European standard
- pneumatic suspension
- braking system with ABS as per European standard
- 24 V electric system as per European standard

Specifications:

- overall length 7550 mm
  - width 2500 mm
  - net low bed 6000 mm long, height 850 mm;
  - twist lock set for connection to 20 ft. ISO containers or monobloc containers 6 m long)
  - useful capacity 8300 kg
  - total payload 10500 kg, tare 2200 kg
  - homologated speed of 80 km/h
- Complete with user/maintenance manual and CE certificate of conformity

## VAN LABORATORIES

Small laboratories in vans are particularly suited for building and road contractors working at various sites, cement plants, material suppliers or anyone involved in customer service.

A FIAT Daily or equivalent model (of at least 1500 kg capacity) are ideal for containing necessary equipment.

## STANDARD FITTINGS FOR VANS

In van laboratories, maximum care is taken so that the most rational choices are made considering the limited amount of space available.

Floors are in wood covered with anti-slip aluminium.

Furniture is made to measure, in plastic coated wood (such as in holiday vehicles) and even the smallest space is used to its best advantage.

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SOME EXAMPLES OF FITTINGS: EXPERIENCE GAINED IN THE FIELD ENABLES US TO FIND THE APPROPRIATE SOLUTIONS FOR EVERY REQUIREMENT.



## TECNOTEST

Walls are thermally insulated, covered with laminated plastic and equipped with cabinets, benches, drawers etc. All major testing equipment is mounted and secured to the benches or to the floor. Cabinet doors and drawers are provided with safety locks, indispensable for the frequent changing of sites.

Electrical system fully complies with Standards and is complete with 30 m electric cable for connection to mains. Convenient electrical sockets on walls and fluorescent lighting. The sink, connected to water tank, is complete with pump and drain line to discharge outside.

**M 963 Complete furnishing of Fiat Daily or any van of similar dimensions**

**M 940 Mechanical-hydraulic unit for Marshall compactor**

**M 941 Mechanical-hydraulic unit for Proctor - CBR compactor**

**M 942 Special crane for loading/unloading**

**M 945 Writing of Customer's logo on the two exterior body sides**

**M 951 Ceiling-mounted electric aspirator**

**M 952/9 Air conditioner cooling/heating 9000 BTU - 1000 Watts**

**M 954 Electric hood aspirator**

**GENERATING SETS: REFER TO CONTAINER ACCESSORIES.**

The automatic C.B.R./Proctor compactors has been specially designed for installation on a mobile laboratory. The floor is provided with an opening for the compactor base. Hydraulic mechanism with hand pump (M 941 - M 940) for up and down control of the base as required by Standards.

The floor is covered with antislip aluminium. The electrical system complies with safety standards. The van doors are also duly equipped with: blackboard, collapsable writing-desk, housing for electric cable, etc.









