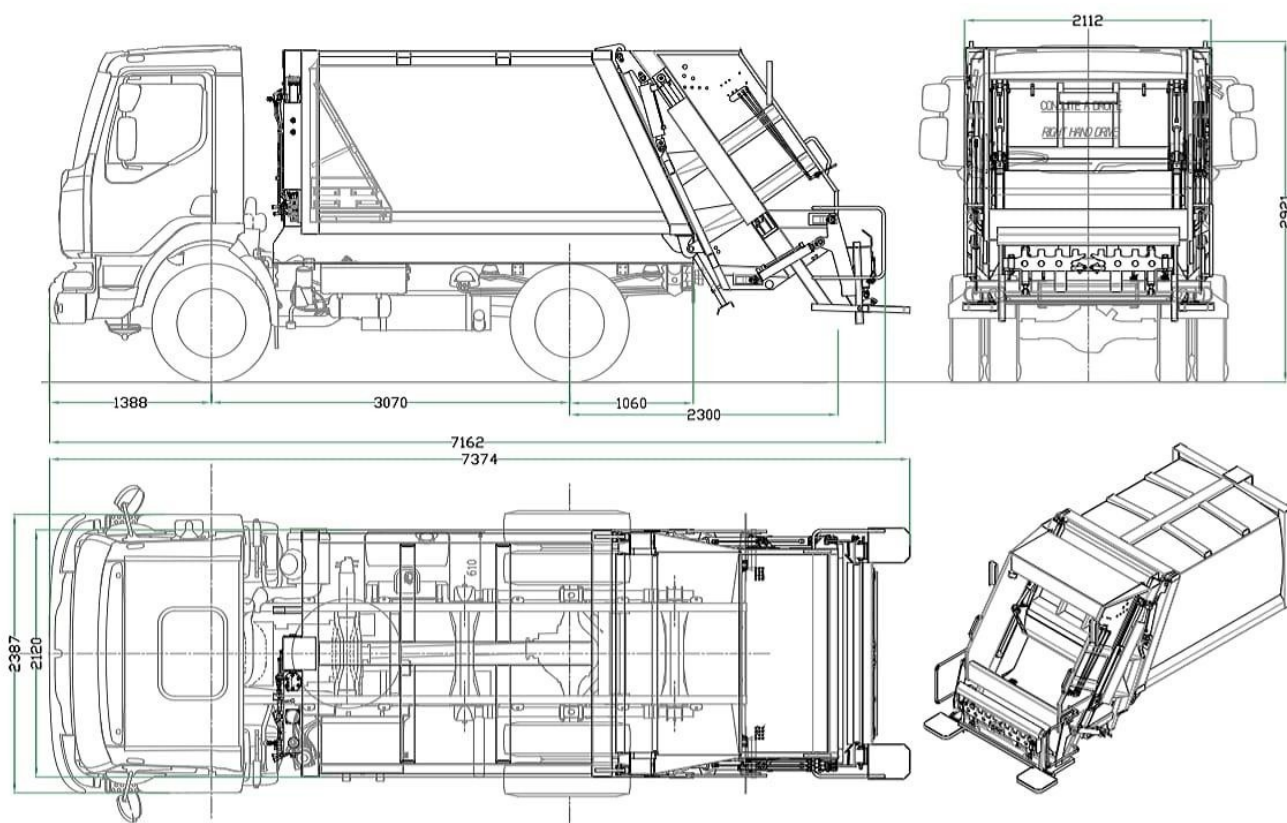




# ***Dmix International***

## **Dmix International Compactor 6 cu.m, mod D-6**

### **TECHNICAL SPECIFICATIONS**



#### **General**

The compactor consists of a body mounted on the chassis, a tailgate with compression mechanism, an ejection plate inside the body, the hydraulic installation and control mechanism

#### **Dimensions**

Tailgate volume (M3)	:	1
Body sheet steel roof thick (mm)	:	5
Body sheet steel floor thick (mm)	:	5
Body sheet steel side thick (mm)	:	5
Body side guides thick (mm)	:	5
Ejection plates (mm)	:	3
Press panel (mm)	:	3
Hopper Bottom and sides (mm)	:	3

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## **Body**

The body is manufactured from St 52 steel plates at the bottom and convex shaped smooth type St 52 steel plates at the sides.

There's a dirty water tank 3 mm thickness on front bottom of the body.

All the body is reinforced with specially shaped profiles at sides, bottom and top.

The body is mounted on the vehicle chassis with elastic/ rigid elements.

## **Tailgate**

Tailgate is connected to the body with top hinges and opened upwards by means of two double acting hydraulic cylinders; its locked automatically when its closed.

There is a specially formed sealing element mounted on tailgate to prevent any dirty water leakage from the body.

There is a hopper in the tailgate. the refuse being loaded in the hopper is pressed into the body by means of a compression mechanism.

The compression mechanism consists of a slide and a shovel. movement of the shovel and slide is made by double acting hydraulic cylinders.

Compression ratio 3:1

The slide has high density nylon shoes moving in the rails. there are also centering shoes to keep it in central position securely.

There are anti dropping safety valves on the tailgate hydraulic cylinders.

## **Ejection plate:**

Ejection plate moves on the rails welded above from the floor to the inner sides of the body.

Ejection plate has high density nylon shoes with bolted connection.

Ejection plate moves by means of a double acting telescopic cylinder. it is kept at the rear of the body when it s empty, and moves automatically to the front by means of a counter pressure valve as the refuse s packed in the tailgate.

## **Hydraulic installation**

Hydraulic power is obtained by means of a hydraulic pump mounted to the pto on the gearbox of the chassis.

The hydraulic pump will be directly connected to the PTO with double sealing to isolate hydraulic fluids from transmission. The hydraulic pump will be piston type with capacity of at least 40 l/min at 160 bar to ensure optimum timing for the compaction cycle.

Hydraulic oil tank has suction alter, return alter, a venting cover, a level and temperature indicator, a ball valve at the suction line and a discharge tap.

All the hydraulic pipes made according to din 2391°c, pressure hoses SAE 100R2,

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suction hoses SAE 100R4 norms.

Hydraulic cylinders are made from honned tubes and hard chrome plated rods.

Opening-closing of the tailgate and forward-backward movement of the ejection plate are controlled by directional control valve mounted in front of the body. the movement of slide, shovel and lifting device mechanism is controlled by a directional control valve mounted on the tailgate.

All the valves are of first class.

### **Container lifting device**

There is a container lifting device powered by double acting hydraulic cylinders to lift and tilt refuse containers.

### **Washing system**

High – pressure piston pump providing 30-40 l/min (at 150 bars) water to the high pressure gun.

High pressure hose reel and high – pressure gun (½" dia, 15 m long).

Washing system control at rear side of hopper.

Stainless Steel water tank fitted behind the cab with a capacity of 150 litres

### **Accessories**

Container lifting system for refuse containers for 1.1 cube-meter

Hinged safety bar between the tailgate and the body

Rear light for night works.

Two operator steps at the rear

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