

Technical Specifications Sheet

TIPPER [18 Cubic Meters]

General

Technical Specifications for a **Tipper [18 Cubic Meters]** to be mounted on a 6x4 Truck with suitable Gross Vehicle Weight (GVW) & Wheelbase.

Tipper Body

Total Nominal Capacity	18 Cubic Meters,
PayLoad	27,000 kg,
Density Considered for Load	1,500 kg/m ³ ,
Tipping Angle	45°,
Construction	Welded Steel Construction to EN10025 S235,
• Floor	8mm steel plates mounted on pressed steel channels.
• Sides	6mm steel plates reinforced by pressed steel channels.
• HeadBoard	6mm steel plates reinforced by pressed steel channels.
• Canopy	4mm steel profile reinforced by pressed steel channels.
• Tail Gate	6mm steel plates reinforced by pressed steel channels.

Sub-Frame

- Fabricated out of heavy duty steel sections reinforced by cross members and ending with a heavy duty tipping hinge constructed with high tensile steel hollow shafts and bushes which include provision for greasing.

Tipping System

- Hydraulic Telescopic Tipping Hoist (HYVA).
- Complete Hydraulic Wet Kit including Hydraulic Pump, Oil Tank, Control Valve, and Hydraulic Hoses.
- A Pneumatic Control Switch for the operation of the Tipper is conveniently installed in the truck's cab.

Tail Gate

- The Tipper box is provided with a removable heavy-duty Tail Gate fitted with a durable torsion helical springs' Locking System which automatically allows the gate to open during tipping and securely locks it when the tipper box is down.

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Surface Treatment and Painting

- The ripper body is Grit Blasted to SA2.5 for better paint adhesion.
- The Tipper Body is externally coated with one coat of Anti-Corrosive Primer and two coats of High Quality Polyurethane Paint to a single color of customer choice.

Accessories

The vehicle comes provided with the following accessories:

- Access ladder to the ripper body on the driver's side.
- Tarpaulin Tie Down Hooks on the Sides and Rear Door.
- Mudguards for rear wheels.
- Spare Wheel Carrier (if space allows)

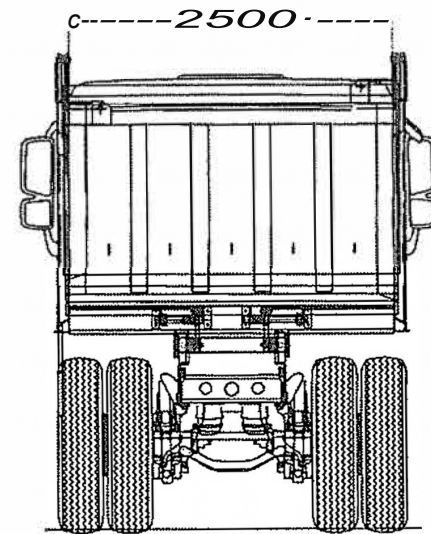
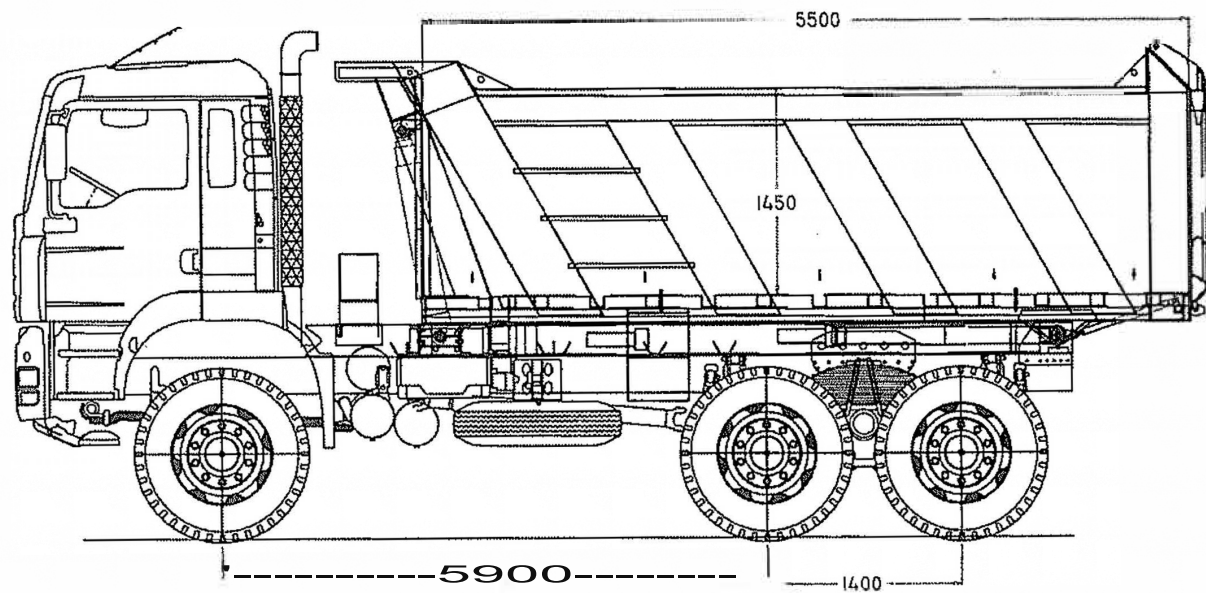
Power-Take-Off Requirement

The vehicle must come fitted with a Clutch-Dependent Power-Take-Off (PTO) suitable for the direct mounting of an ISO 4-Bolt (DIN 5462) Hydraulic Pump, along with the necessary controls to engage/disengage the PTO.

Recommended Truck

The recommended truck for this application should have the following specifications:

- Truck Configuration : 6x4
- Gross-Vehicle-Weight (GVW): 38,000 kg -40,000 kg
- Wheelbase : From 3,800mm to 4,000mm (1st to 2nd Axles)



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 STRENGTH
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 ARABIAN METAL INDUST
 ACTUAL PROPERTY
 DRAWING

DESIGN	SAI7	11/011		
CHECK	SAI			
APPROVE	IMS		PRODUCT I	REAR TIPPER (18 CUM)
			TRUCK	MAN 6x4
			TITLE COMMERCIAL DRAWING	
			DRAWING NUMBER	SHEET REV.
			STD TIPPER	1 OF 1 0

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