

78 CBM TIPPER SEMI-TRAILER – 3 AXLES, STEEL SUSPENSION

1. GENERAL DESCRIPTION

The 78 CBM Tipper Semi-Trailer is designed for bulk material transport, specifically for chopped sugar cane with a density of 300 kg/m³. This high-capacity trailer features a reinforced steel structure, hydraulic tipping system, and steel mechanical suspension for reliable performance in various working conditions.

2. TECHNICAL SPECIFICATIONS

A. DIMENSIONS & CAPACITY

Feature	Specification
Overall Length	13,400 mm
Overall Width	2,500 mm
Overall Height	3800 mm
Load Volume	78 CBM (Cubic Meters)
Payload Capacity	27,000 kg (27 Tons)

B. BODY & STRUCTURE

Feature	Specification
Body Material	High-strength steel
Sidewall Thickness	4 mm
Floor Thickness	5 mm
Reinforcement	Cross beams for added structural integrity
Rear Door	Hydraulic rear door with locking mechanism
Tipping Angle	45 degrees
Hydraulic System	Front-mounted heavy-duty hydraulic cylinder
Ladder & Handrails	Yes, for easy access

C. CHASSIS & SUSPENSION

Feature	Specification
Chassis Material	High-tensile steel
Axles	3 Axles (12 tons each)
Suspension	Mechanical steel leaf spring suspension
Kingpin	2" bolted type (JOST or equivalent)
Landing Gear	Two-speed heavy-duty landing gear

D. BRAKING & ELECTRICAL SYSTEM

Feature	Specification
Brake System	Dual-line pneumatic braking system (No ABS)
Brake Chambers	T30/30 double chambers
Tires	385/65R22.5 or equivalent
Rims	Heavy-duty steel rims
Lighting System	LED lights, compliant with road regulations
Reflectors	Standard safety reflectors for night visibility

E. ADDITIONAL FEATURES

Feature	Specification
Toolbox	Heavy-duty toolbox included
Spare Tire Carrier	Mounted on chassis
Mudguards	Heavy-duty rubber mudguards
Painting & Coating	Anti-rust primer + polyurethane topcoat

4. WARRANTY & SUPPORT

- Structural Warranty: 1-2 years depending on usage.
- Hydraulic System Warranty: 6 months - 1 year.
- Spare Parts Availability: Quick supply for replacement components.
- After-Sales Service: Technical support & on-site assistance upon request.