

Eicher Pro 8028XM

16 Cum Rock Body HD Tipper (6x4) 330HP

TRUCKS AND BUSES



TECHNICAL SPECIFICATIONS

Eicher Pro 8028XM 6x4 Rock Body HD Tipper

Engine

Six-cylinder, in-line direct injection diesel engine with four valves per cylinder
Electronically controlled common rail fuel injection system
Heavy-duty turbocharger and intercooler
Engine Management System with driving information and diagnostics

| | |
|---------------------|--------------------------------|
| Displacement | 7.7 litre |
| Bore x Stroke | 110 mm x 135 mm |
| Compression ratio | 17.5:1 |
| Max. Power | 330 hp @ 2200 rpm |
| Max. Torque | 1200 Nm @ 1100-1600 rpm |
| Economy speed range | 900-1600 rpm |
| Emissions | BS IV (with SCR technology) |

Clutch

Single Plate – pull type, power assisted, 420 mm diameter

Gearbox

Manual synchronized range type 9-speed gearbox with 8 forward, 1 crawler, 1 reverse gear and matched with suitable clutch-dependent gearbox mounted power take-off

Axles

| | |
|-----------------|--|
| Front Axle | Heavy-duty forged I-beam Reverse Elliot type axle with stabilizer bar |
| Rear Axle | Heavy-duty axle with hub reduction and two stage differential locks and stabilizer bar |
| Rear Axle ratio | 6.37:1 |

Suspension

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|-------|--|
| Front | Parabolic suspension with double-action shock absorbers and stabilizer bar |
| Rear | Heavy-duty maintenance free inverted bogie suspension with conventional multi-leaf spring, and upward U-bolt |

Wheels and Tyres

| | |
|----------------|------------------------------|
| Tyre size | 11" x 20" mining lug pattern |
| Wheel rim size | 8.0" x 20" |

Total no. of wheels fitted 10 and 1 no. spare wheel with rim and tyre

Chassis Frame

'C' channel section, side members and cross-member made of high strength steel with inner reinforcement thickness of 5 mm

| | |
|---------------|-----------------------|
| Cross section | 300 mm x 90 mm x 8 mm |
|---------------|-----------------------|

Steering

Hydraulic power steering with tilt and telescopic function

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|-------------------------|--------|
| Steering wheel diameter | 460 mm |
|-------------------------|--------|

Brakes

S-Cam, dual circuit, air actuated drum brakes, automatic slack adjuster and asbestos-free brake linings, exhaust brake

Fuel Tank

Steel cylindrical tank mounted on right hand side

| | |
|----------|-----------|
| Capacity | 315 litre |
|----------|-----------|

AdBlue Tank

Polymer tank with lockable cap

| | |
|----------|----------|
| Capacity | 33 litre |
|----------|----------|

Exhaust System

Horizontal muffler, vertical exhaust outlet on right hand side

Pneumatics

Gear-driven, single-cylinder reciprocating air compressor

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|--------------------------|--------|
| Max. Compressor capacity | 360 cc |
|--------------------------|--------|

| | |
|-------------------------|-----------|
| Total air tank capacity | 105 litre |
|-------------------------|-----------|

Electricals

New improved Electronic Architecture

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| System voltage | 24 V |
|----------------|------|

| | |
|-----------------|----------|
| Battery voltage | 2 x 12 V |
|-----------------|----------|

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|------------------|--------|
| Battery capacity | 120 Ah |
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| | |
|---------------------|------|
| Alternator capacity | 90 A |
|---------------------|------|

Cabin

Eicher next generation 2.5 m aerodynamic design, tiltable cabin with single sleeper berth
Crash-tested steel welded structure meeting ECE R29 crash norms

| | |
|---------------|------------------------|
| Accommodation | 1 driver + 1 co-driver |
|---------------|------------------------|

| | |
|------------------|-----------|
| Cabin tilt angle | 58 degree |
|------------------|-----------|

Interiors

Manually controlled climate unit
 New ergonomically designed dashboard with easy access stalks, switches and controls
 New instrument cluster with advanced features like fuel coaching and intelligent driver information alerts
 Comfortable mechanically suspended driver seat with 6-way adjustment

Exteriors

Heavy-duty 3 piece steel bumper with high approach angle
 Heavy-duty headlamp unit with higher illumination main beam
 Fully suspended cabin with four coil springs and shock absorbers

Telematics

Advance in built EICHER LIVE system with uptime, trip and fuel management services

Tools and Accessories

Standard tool kit, First aid kit, two warning triangles, bulb and fuse kit
 20 ton hydraulic jack

Vehicle dimensions with body, mm – as per CMVR

| | |
|--------------------------|-------|
| Wheel base | 4585 |
| Overall length | 8400 |
| Overall width | 2568 |
| Overall height | 3770 |
| Turning circle diameter | 16700 |
| Minimum ground clearance | 288 |

Tipper Body and Hydraulics

All steel welded construction low CG Rock Body

| | |
|---|-----------|
| Struck volume | 16 Cum |
| Floor, sideboard and headboard made of high tensile wear resistant steel 6 nos. angular solid rock breakers on the floor Full length canopy | |
| Tipping angle with knock-off valve | 49 degree |

Heavy-duty front mounted telescopic cylinder
 Direct mounted hydraulic pump on PTO
 Oil tank with breather filter, oil level indicator and return line filter

| | |
|-------------------|----------|
| Oil tank capacity | 55 litre |
|-------------------|----------|

Vehicle weight, Laden weight, kg (as per CMVR limits)

| | |
|----------------------|-------|
| Front axles (Twin) | 7000 |
| Rear axles (Bogie) | 21000 |
| Gross Vehicle Weight | 28000 |

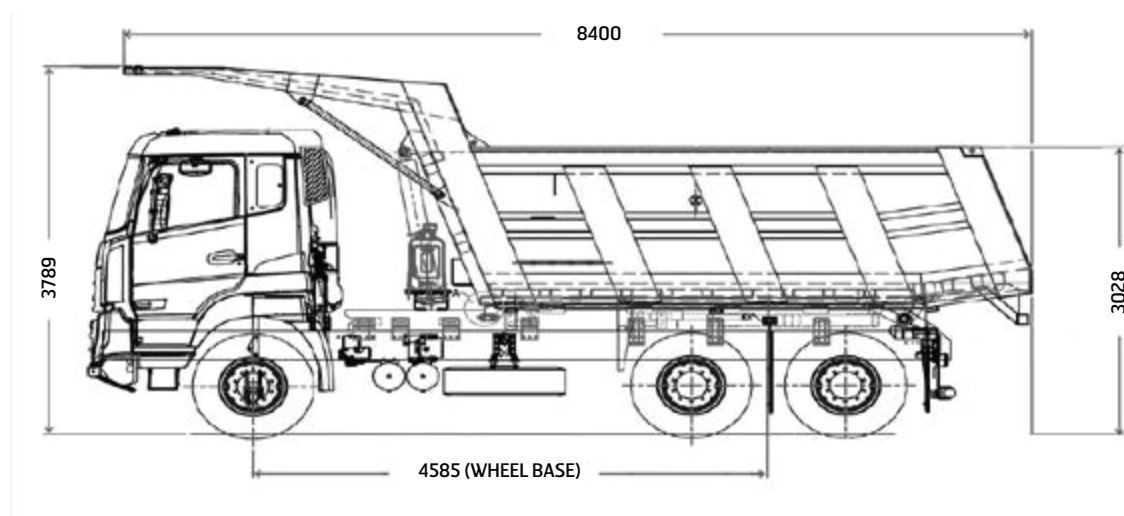
Performance Data

| | |
|----------------------------------|---------|
| Max. Speed (in top gear) | 82 kmph |
| Max. Gradeability (Crawler Gear) | 68% |

DGMS Accessories

DGMS accessories are available as an optional fitment

Line diagram of 16 Cum Rock Body



Caution: Do not drill or weld on the frame. Note: Eicher Trucks has a policy of continual product improvement. The specifications / images shown here are indicative and are subject to change without prior notice. Performance parameters are subject to stability of the vehicle. Some accessories shown are not part of the standard equipment. AdBlue: Is also called AUS32 (an aqueous urea solution of 32.5% urea and 67.5% deionized water).

GO PRO

EICHER TRUCKES AND BUSES

VE Commercial Vehicles Ltd. #96, Institutional Area,
Sector 32, Gurgaon-122001. Haryana,
India. Ph.: +91-124-4415600.

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