

Eicher **Pro** SERIES CONSTRUCTION TRUCKS

TRUCKS AND BUSES

**DELIVERING PERFORMANCE,
BUILDING PROSPERITY**

GO PRO

VE COMMERCIAL VEHICLES
A VOLVO GROUP AND EICHER MOTORS JOINT VENTURE

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EICHER

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EXPERIENCE MAXIMUM LIFETIME PROFITABILITY

Two leading players in the commercial vehicle business joined hands in 2008 with a vision to drive modernization in commercial transportation in India and the developing world. Volvo Group, the world's leading manufacturer of trucks, buses, construction equipment, marine and industrial engines brought its global expertise and world-class technology, while Eicher Motors brought its frugal engineering and deep knowledge of developing markets. The mission of this joint venture- VE Commercial Vehicles Ltd. is to raise the standard of the commercial transportation industry and take it to a new professional level. Eicher, the flagship brand, is taking the lead in ushering in the future of Indian trucking with the Eicher Pro Series, a range of next generation trucks and buses from 5 to 49 tons.

The Eicher Pro Series vehicles have been designed and developed in modern and high-tech manufacturing facilities at Pithampur and Hoskote. These next generation trucks and tippers provide an unparalleled business advantage by maximizing product performance right through the life-cycle of the vehicles, minimizing the cost of operations and improving productivity levels in the heavy-duty trucking industry. This is made possible with the infusion of international engine technology which ensures class-leading fuel efficiency. The fuel efficient engines are complemented by an optimized drive line which results in higher productivity. A contemporary cabin design from the Volvo Group, together with intelligent features results in enhanced driver comfort and efficiency. These next generation trucks are ably backed up by a number of enhanced support services which lead to better uptime and easier maintenance for our customers. Thus the Eicher Pro Series vehicles deliver the promise of Maximum Lifetime profitability.

GO PRO



AGGREGATE MOVEMENT

The Eicher Pro Series tippers are the perfect solution for movement of aggregates such as sand, gravel, crushed stone and compounded material like WBM/DBM for construction activities where fuel efficiency and quicker turnaround time are of paramount importance to profitability of the business. Eicher Pro Series tippers are designed to deliver both class-leading fuel efficiency and superior productivity. Next generation engines deliver power up to 330 HP and torque as high as 1200 Nm and ensure these tippers can negotiate any gradient and surface with ease. This ability improves productivity by a large percentage. Further, class-leading features like an advanced Engine Management System (EMS 3.0), Electro-Magnetic fan, ES compressor and intelligent systems like fuel coaching enhance fuel efficiency to produce greater savings. Eicher Pro Series tippers are also the first in this segment to offer a comprehensive Telematics solution – EICHER LIVE to further Maximize fleet utilization and deliver overall operational efficiency.

Solutions available for this application



Pro 5016T
Rock Body 10 Cu.M
(170 HP)



Pro 6025T FE
Box Body 14 Cu.M
(210 HP)



Pro 6025T
Box Body 16 Cu.M
(220 HP)



Pro 8025T
Box Body 16 Cu.M
(280 HP)



Pro 8031T
Box Body 18/20 Cu.M
(280 HP)



Pro 8031XM
Box Body 20/23 Cu.M
(330 HP)



More Trips

High Uptime

Fuel Efficient



CONCRETE MOVEMENT

The purpose of producing well mixed concrete is lost if concrete loses its strength during transportation. Therefore, efficient transit mixers constitute an integral part of the RMC plants as well as concrete batching plant units. The Eicher Pro 6025TM offers the flexibility to switch from Slave engine to Engine driven PTO for Drum movement based on the requirement. In addition, the Pro 6025TM comes fitted with next generation fuel efficient four cylinder CRDI engine delivering the right power and torque for optimized performance of the vehicle and drum from transporting concrete to pouring concrete at construction sites. The vehicle comes with various industry first features like fuel coaching and cruise control which helps operators maximize efficiency. The lowest turning radius helps this vehicle easily maneuver even in tight corners. A powerful combination of features like these help the Eicher Pro 6025TM maximize uptime and productivity.

Superstructure Flexibility

Short Turning Radius

Fuel Efficient

Solutions available for this application



Pro 6025TM
6 Cu.M



STONE QUARRY

Stone quarries demand high-performance tippers that deliver higher uptime, higher pulling power, the capability to do a larger number of trips in a day and the ability to carry heavy loads. The Eicher Pro Series offers a wide range of Box and Rock body options for both in-bound and out-bound operations catering to all capacity requirements in quarries. With higher torque at wheels, shorter turning radius and higher ground clearance, Eicher Pro Series tippers can climb any gradient and maneuver well on narrow roads resulting in better turnaround times. Further, a strong and reliable power train, drive line and robust aggregates ranging from chassis to suspension and a stronger load body ensure that Eicher Pro Series tippers last longer in the tough and testing conditions at quarries. With higher uptime and productivity, Eicher Pro Series tippers are the ideal choice for Stone Quarry operations.

Higher Pulling Power

Robust Driveline and Chassis

Fuel Efficient

Solutions available for this application



Pro 5016T
Rock Body 10 Cu.M
(170 HP)



Pro 602ST
Rock Body 14 Cu.M
(220 HP)



Pro 602ST
Box Body 16 Cu.M
(220 HP)



Pro 802ST
Rock Body 16 Cu.M
(280 HP)

SAND MOVEMENT

Sand movement demands high torque, robust aggregates and features like differential lock to negotiate difficult under foot conditions at river beds in order to deliver sand at construction sites where high uptime is paramount. Eicher Pro Series tippers are developed keeping these critical factors in mind during overall design, right from the engine to load bodies. The higher power and torque output coupled with a synchronized driveline ensures that the vehicle is able to meet the exacting demands of this application. Different body capacities are available to carry optimum loads while also ensuring best-in-class performance, high uptime and quick turnaround time.

Solutions available for this application



Pro 5016T
Rock Body 10 Cu.M
(170 HP)



Pro 6025T FE
Box Body 14 Cu.M
(210 HP)



Pro 6025T
Box Body 16 Cu.M
(220 HP)



Pro 8025T
Box Body 16 Cu.M
(280 HP)



Pro 8031T
Box Body 18/20 Cu.M
(280 HP)



Pro 8031XM
Box Body 20/23 Cu.M
(330 HP)



Higher Pulling Power

Robust Driveline and Chassis

Fuel Efficient





EARTH WORKS

Earth works, which is basically moving or processing of parts of the Earth's surface involving large quantities of soil or unformed rock, is an important activity in road, railways, irrigation, and other PWD projects. It is also one of the major applications where construction tippers are deployed. In this application, high volumetric efficiency is as important as uptime, robust aggregates and quick turnaround times. The Eicher Pro Series offers a distinct business advantage in this application with body options from 16 Cu.M to 20 Cu.M and a range of options for different project requirements. To answer the demands of heavy loads, these tippers are built on chassis with high tensile steel for extra strength while rear bogie suspension ensures that the vehicle remains mobile in off road conditions. All these features combine to offer the kind of high uptime that this application demands.

High Body Capacity

Robust Driveline and Chassis

Uptime

Solutions available for this application

Rocky Work	 Pro 5016T Rock Body 10 Cu.M (170 HP)	 Pro 6025T Rock Body 14 Cu.M (220 HP)	 Pro 8031XM Rock Body 18 Cu.M (330 HP)	 Pro 8025T Rock Body 16 Cu.M (280 HP)
	 Pro 6025T Box Body 16 Cu.M (220 HP)	 Pro 8025T Box Body 16 Cu.M (280 HP)	 Pro 8031T Box Body 18 Cu.M (280 HP)	 Pro 8031XM Box Body 20 Cu.M (330 HP)

TUNNELING

With India being one of the fastest growing markets in the world and a strong government focus on improving infrastructure and connectivity, tunnelling is one of the most important construction activities taking place across the country. In tunnelling, round-the-clock operations demand high performance tippers to haul heavy boulders of varying sizes over steep gradients. Eicher Pro Series tippers are the perfect solution for tunnelling operation requirements. Its high capacity engine delivers high power and torque. Powerful engines coupled with synchronized drive lines offers higher torque at wheels and higher grade ability. This, in addition to a shorter turning radius helps the tippers climb and maneuver easily in tough terrain. Eicher Pro Series tipper bodies are designed to carry heavy and impact loads. This means a tipper that will work harder, last longer and deliver maximum uptime throughout its life.

Solutions available for this application



Pro 5016T
Rock Body 10 Cu.M
(170 HP)



Pro 6025T
Rock Body 14 Cu.M
(220 HP)



Pro 8025T
Rock Body 16 Cu.M
(280 HP)



Higher Pulling Power

Robust Driveline and Chassis

Fuel Efficient



PORT TRANSPORTATION

Characterized by high volume, round-the-clock operations with fast movement requirements under humid seaside climates, port transportation is a very demanding application. Such an application requires tippers which can deliver high productivity and uptime. Eicher Pro Series tippers are the right choice for such demanding operations and help drivers deliver high productivity. Our tippers come with valuable productivity enhancing features like a comfortable cabin, powerful AC, easy handling with tilt and telescopic hydraulic steering, short turning radius for tight corner movement and optimized body capacity for carrying higher loads per trip. Maximum productivity, robust aggregates and long service intervals are a hallmark of Eicher Pro Series tippers.

More Trips

High Uptime

Fuel Efficient

Solutions available for this application



Pro 8031T
Box Body 20 Cu.M
(280 HP)



Pro 8031XM
Box Body 23 Cu.M
(330 HP)

TECHNICAL SPECIFICATION

PRO 5000 SERIES



PRO 5000 SERIES		
MODEL	Model	Pro 5016T
	Emission	BS IV with EGR Technology
ENGINE	Model	E694
	Max. Output	170 HP @ 2400 RPM
	Max. Torque	620 Nm @ 1200-1900 RPM
CLUTCH	Type	Pull Type
	Diamenter (mm)	352
GEARBOX	Model	ET70S6 with DD
	No. of Gears	6 F & 1 R
	Gear Ratios	352
AXLES	Front Axle Type	Forged reverse Elliot
	Rear Axle Type	VECV - 440DH Heavy Duty Fully Floating
	Rear Axle Ratio	6.17
SUSPENSION	Front	Semi Elliptic Leaf Spring with Shock Absorber
	Rear	Semi Elliptic Leaf Spring with Helpers
	Anti-Roll Bar	Yes
CHASSIS FRAME	Type	Ladder Type , Straight Frame
	Dimensions (mm)	285 x 76 x 6 mm
FUEL TANK	Type	GA Coated, Metallic
	Capacity (L)	220L
ADBLUE TANK	Capacity (L)	NA
CABIN	Type	Sleeper Cab,2-Point Cabin Suspension
WHEEL & TYRES	Tyre Type	Cross Ply
	Tyre Size	10X20 -16PR
PERFORMANCE	Max Gradability	0.35
	Turning Radius (m)	13.8
DIMENSIONS	Ground Clearance (mm)	253
LOAD BODY	Size	8.5Cum FBT,10cum FBT,CBC,CWC

PRO 6000 SERIES				
MODEL	Model	Pro 6025T	Pro 6025T FE	Pro 6025TM
	Emission	BS IV with SCR Technology	BS IV with SCR Technology	BS IV with SCR Technology
ENGINE	Model	VEDX8	VEDX5	VEDX5
	Max. Output	220 HP @ 2400 RPM	210 HP @ 2200 RPM	210 HP @ 2200 RPM
	Max. Torque	850 Nm @ 1100-1700 RPM	825 Nm @ 1100-1700 rpm	825 Nm @ 1100-1700 rpm
CLUTCH	Type	Pull Type	Pull Type	Pull Type
	Diamenter (mm)	430 mm	395 mm	395 mm
GEARBOX	Model	ZF 1110TD	ET90	ET90
	No. of Gears	9F, 1R	6F, 1R	6F, 1R
	Gear Ratios	12.73-1.00	8.39-1.00	8.39-1.00
AXLES	Front Axle Type	Forged Reverse Elliot	Forged Reverse Elliot	Forged Reverse Elliot
	Rear Axle Type	Fully Floating Banjo	Fully Floating Banjo	Fully Floating Banjo
	Rear Axle Ratio	5.29	5.83	6.16
SUSPENSION	Front	Parabolic Leaf Spring	Parabolic Leaf Spring	Parabolic Leaf Spring
	Rear	Bogie Suspension	Semi Elliptical Bell Crank	Semi Elliptical Bell Crank
	Anti-Roll Bar	Yes	Yes	Yes
CHASSIS FRAME	Type	Ladder Type Joggle Frame	Ladder Type Joggle Frame	Ladder Type Joggle Frame
	Dimensions (mm)	285x76x7 mm	285x76x7 mm	285x76x7 mm
FUEL TANK	Type	Polymer	Polymer	Polymer
	Capacity (L)	220L	220L	220L
ADBLUE TANK	Type	Polymer	Polymer	Polymer
	Capacity (L)	22L	22L	22L
CABIN	Type	Day Cab	Day Cab	Day Cab
	Wheel Rim	7.5x20	7.5x20	7.5x20
WHEEL & TYRES	Tyre Type	Cross Ply	Cross Ply	Cross Ply
	Tyre Size	11x20	10x20	10x20
PERFORMANCE	Max Gradability	42.50%	28.60%	25.70%
	Turning Radius (m)	14.4	14.6	14.6
DIMENSIONS	Ground Clearance (mm)	285 mm	285 mm	256 mm
	Wheelbase (mm)	4000 mm	4000 mm	4000 mm
LOAD BODY	Size	16 Cu.M, 14 Cu.M Box, 14 Cu.M Rock, CBC	14 Cu.M Box CBC	6-7 Cu.M RMC suitability (with and w/o Engine PTO)

TECHNICAL SPECIFICATION

PRO 6000 SERIES



TECHNICAL SPECIFICATION

PRO 8000 SERIES



PRO 8000 SERIES				
MODEL	Model	Pro 8025T	Pro 8031T	Pro 8031XM
	Emission	BS IV with SCR Technology	BS IV with SCR Technology	BS IV with SCR Technology
ENGINE	Model	VEDX8	VEDX8	VEDX8
	Max. Output	280 hp @ 2200 rpm	280 hp @ 2200 rpm	330 HP @ 2200 RPM
	Max. Torque	1050 Nm @ 1100-1700 rpm	1050 Nm @ 1100-1700 rpm	1200 Nm @ 1200-1650 RPM
CLUTCH	Type	Pull Type	Pull Type	Pull Type
	Diamenter (mm)	420 mm	420 mm	430 mm
GEARBOX	Model	ST1199	ST1199	ST1199
	No. of Gears	9F, 1R	9F, 1R	9F, 1R
	Gear Ratios	12.11 -1.00	12.11 -1.00	12.11 -1.00
AXLES	Front Axle Type	Forged I-beam reverse Elliot	Forged I-beam reverse Elliot	Forged I-beam reverse Elliot
	Rear Axle Type	Hub Reduction	Hub Reduction	Hub Reduction
	Rear Axle Ratio	5.79	5.79	6.37
SUSPENSION	Front	Parabolic Leaf Spring	Parabolic Leaf Spring	Parabolic Leaf Spring
	Rear	Bogie Suspension	Bogie Suspension	Bogie Suspension
	Anti-Roll Bar	Yes	Yes	Yes
CHASSIS FRAME	Type	Open profile	Open profile	Open profile
	Dimensions (mm)	300x90x8 mm + 5mm inner liner	300x90x8 mm + 5mm inner liner	300x90x8 mm + 5mm full inner liner
FUEL TANK	Type	Steel	Steel	Steel
	Capacity (L)	315L	315L	315L
ADBLUE TANK	Type	Polymer	Polymer	Polymer
	Capacity (L)	33L	33L	33L
CABIN	Type	Day Cab with Sleeper	Day Cab with Sleeper	Day Cab with Sleeper
WHEEL & TYRES	Tyre Type	Mining Lug and Cross-ply	Mining Lug and Cross-ply	Mining Lug and Cross-ply
	Tyre Size	11x20 16PR	11x20 16PR	12x20 18PR
PERFORMANCE	Max Gradability (%)	53.6%	43%	51%
DIMENSIONS	Ground Clearance (mm)	296	296	310
	Wheelbase (mm)	4585	5285	5285
LOAD BODY	Size	16 Box, 16 Rock	18/20 Box, 16/18 Rock	23 Box, 16/18 Rock

POWERFUL ENGINE



Eicher's next generation VEDX engines belong to the medium-duty platform and meet stringent BS IV emission norms by using the globally proven active emission control SCR technology. Whereas New generation E-694 CRS Engine with Volvo group's EMS 3.0 meet stringent BS IV emission norm by using i3 EGR technology. Both VEDX5 and 8 are high-capacity fuel efficient engines suitable for construction where both performance and fuel economy are crucial factors. Driving becomes extremely easy, thanks to the broad torque range offered by these engines. The engine timing mechanism is mounted at the rear of the engine. This results in lesser vibration and permits a rear-mounted power take off. The engine's various functions are controlled electronically by an EECU (Engine Electronic Control Unit), which contributes to low fuel consumption and lower exhaust emissions. The engine comes with industry first features like EPS (Engine Protection System) which ensures the engine's protection from high coolant temperature and low oil pressure. This leads to higher engine life and longer service intervals which directly result in higher uptime.

ROBUST BUILD



Eicher Pro Series tippers are equipped with rigorously tested aggregates and driveline for outstanding performance and unmatched efficiency. The reliable engine and driveline meet round-the-clock operational requirements and consistently deliver higher productivity. An extensively crash tested cabin assures you of safe operation at all times. Heavy-duty chassis, robust suspension and hardox load bodies enable Eicher Pro Series tippers to carry heavy loads even in the toughest terrains.

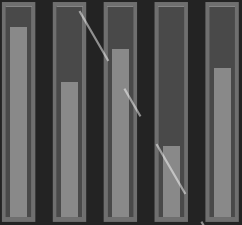


EICHER



INTELLIGENCE THAT DRIVES BUSINESS

Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium doloremque laudantium, totam rem aperiam eaque ipsa, quae ab illo inventionem veritatis et quasi architecto beatae vitae dicta sunt, explicabo. Nemo enim ipsam voluptatem, quia voluptas sit, expeditur aut unde est fugit, sed qui consequatur inperdiet address vero, sed ratione voluptatem sequi nesciam.



MANAGE UPTIME

MANAGE TRIPS

MANAGE FUEL



4.6 4.7 4.8 4.9 5.0

MANAGE FUEL

EICHER LIVE uses advanced technology that syncs directly with the engine management system, thus 'reading' the truck's operations every instant. This minute monitoring empowers you to track fuel usage more effectively. You can easily monitor 'sweet spot hours' - the time for which the truck was driven in the fuel economy mode. The result? Significant cost savings and higher profits.



MANAGE UPTIME

Mining transport demands high productivity and uptime. With a large part of production cost fixed in mining, unplanned stops are costly. Uptime management is therefore about both minimizing and planning breakdowns. EICHER LIVE helps increase truck run-time by enabling the services team to monitor and take action on faults before they cause a breakdown. It is now also possible to prevent expensive consequential failures. With EICHER LIVE, your truck spends more time generating revenues.

MANAGE TRIPS

EICHER LIVE helps you view and analyze the movement of your fleet. You can view trucks waiting and idling at the loading and unloading points in real-time. You can also optimize routes by analyzing the path traced by the vehicle during start and end date and time matching your shift timings. This business critical intelligence allows your to maximize productivity and hence profitability for your business.





EICHER NETWORK

Eicher has an extensive service reach and no matter where you are, Eicher service is never too far away. Eicher has wide and expanding authorized contact points across the country with professionally trained dealership service teams ensuring your vehicle is in safe hands. Eicher dealers are equipped with mobile service vans and 24x7 helpline numbers to ensure quick response. What's more, Eicher genuine parts made to exact specifications are economical and widely available across Eicher dealers, service centres, spare distributors and other outlets.

