

//// TORQSHIFT REDEFINE MINING



BHARATBENZ

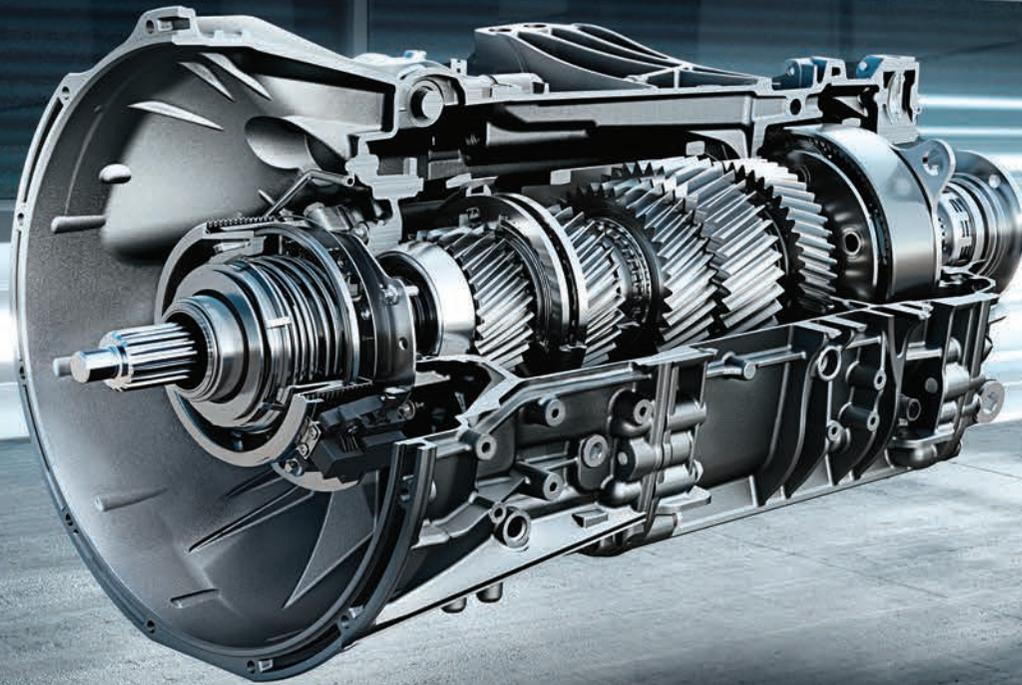


**BORN OF
METTLE**

BHARATBENZ
//// TORQSHIFT



**Reliable, Smooth, and
Efficient in Every Situation**



Our know-how is based on decades of experience in the manufacturing and development of commercial vehicle transmissions. This manufacturing expertise distinguishes our Torqshift particularly by these features:

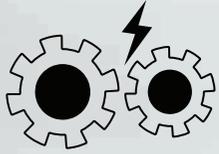
Fuel Efficient

Faster Trips

Driver Comfort

Smooth Running Characteristics

Low Weight & Extreme Durability



Hybrid and compact
gear system

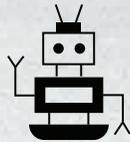
YOUR TORQSHIFT COMES WITH A POOL OF BEST-IN-CLASS FEATURES



Superior tech-concentric
pneumatic clutch actuation



Kick down
acceleration



Automatic/Manual
ECO/Power modes



Advanced HMI
with gear display



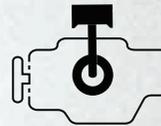
Low oil quantity and
longer drain intervals



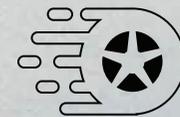
Compact and light
weight gearbox



Stalk switch
shifter



Engine overspeed
protection



Hybrid and compact
gear system



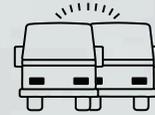
Fire Safety

Battery cut-off switch

Fire-resistant hoses at hot zones

Fire-resistant electrical wires & sleeves

Heat insulation for turbo charger and exhaust



Collision Mitigation

Tail gate protection

Retro reflective reflectors on all sides



Operational Safety

Speed limiting device

Propeller shaft guard

Body lifting position locking

Auto-retrieving tipping switch

Tipping indication and warning

Dual independent brake system

Load body stabilizer arrangement



Driver Assistance

Blind spot mirror

Rear vision system

Seat belt and seat belt reminder

Driver fatigue monitoring system

Auxiliary (exhaust/engine) brakes

Reverse audio-visual alarm system

Cabin guard extensions/full canopy



First-of-its kind AMT

Globally proven Automated Manual Transmission ensures fuel savings, superior comfort, precise gear shifts, and enhanced performance.

12 Forward and 4 Reverse Speed Non-Synchronized Transmission

Direct-Drive Configuration



Make Every Drive and Driver More Fuel-Efficient

Forget the hassle of selecting the right gear at the perfect RPM. Torqshift handles it all for you by adapting to speed, weight, and engine load. It shifts gears when necessary or holds them when it saves more fuel, ensuring maximum efficiency. Regardless of a driver's experience or training, Torqshift makes every drive more fuel-efficient.



Lighten the Load on your Drive and Driver

Once you drive a Torqshift, you'll never want to drive a manual again. Stalk shifter leads to a cabin isolated from noise, heat and dust making it one of the best places to work. Sit back, relax and focus on the road while enjoying an easy, comfortable drive.



Reach Quicker and Shuttle More Trips

With Torqshift, human errors and gear-shifting delays are a thing of the past. This system reduces shifting time, allowing you to reach your destination faster and complete more trips efficiently with a wide gear ratio spread.

High-Powered OM926 Engine

The 320hp engine delivers best-in-class torque of 1250 Nm across a wide RPM range, ensuring faster acceleration, lower gear shifts, thereby enabling more trips.



Intelligent ATS

The aftertreatment system features liquid-assisted AdBlue dosing, ensuring efficient performance and optimal AdBlue consumption.



Smart Engine & Exhaust Brake

A constant throttle valve & electronic exhaust brake work together as auxiliary brakes, enhancing control and extending brake life.



Upgraded Clutch Plate

The 430mm clutch plate diameter and 3.6mm lining thickness with high-friction material ensure better power transfer and longer life.





Heavy-duty Bogie Suspension

The 12-leaf bogie suspension is designed to carry heavy loads in tough conditions, ensuring superior stability and ride comfort.



Heavy-duty Rear Axle

Hub reduction rear axle with a 6.18 final gear ratio delivers high torque at wheels and best-in-class gradeability.



Crash-Tested Cabin

AIS029-certified cabins provide maximum survival space for the crew, in line with European standards (ECE R29.03).



Joggled Chassis Frame

The high-quality joggled and riveted chassis frame offers flexibility, with 7-10mm reinforcement along its length, making it sturdy and durable for off-road use.



Maximum Uptime

Longer, synchronized maintenance intervals keep the vehicle available for use, boosting productivity.





Enhanced Visibility

A single-frame shatterproof windshield, 6 wide-angle mirrors, and a rear-view camera provide 360° visibility, ensuring safe and comfortable trips.



Hill Hold Assist

This feature prevents rollback on inclines, giving the driver full control to maneuver with ease on challenging terrains.



Driver State Monitoring

This safety feature monitors facial expressions and alerts drowsy drivers, helping prevent accidents.



Unmatched Comfort

The AC cabin with 4-point suspension and air-suspended driver seat ensures best-in-class comfort on rough terrains and long journeys, boosting productivity.

Technical Specifications				
Vehicle Dimensions	3532CM - TORQSHIFT	2832CM - TORQSHIFT	3532CM	2832CM
Wheel Base (mm)	5175	4275	5175	4275
Cabin	Day			
Loadbody options (Cu.m)	Rock Body : 19.5cu.m Box Body : 27cu.m	Rock Body : 16cu.m	Rock Body : 19cu.m, 19.5cu.m Box Body : 23cu.m, 27cu.m	Rock Body : 16cu.m Box Body : 16cu.m
Overall Length (mm)	8085	8185	9015	7185
Overall Width (mm)		2540	2550	
Overall Height (mm) (Cabin)	2960	3835	3800	2995
Front Overhang (mm)			1485	
Rear Overhang (mm)		1000	750	940
Ground Clearance (mm)	359	349	359	349
Engine				
Engine Model	OM926 BSVI OBD-II			
Maximum Power, kW	316hp (236kW) @ 2200 rpm			
Maximum Torque, Nm	1250 Nm @ 1200 - 1600 rpm			
No. of Cylinders cc	6, 7200			
Transmission				
Gear Box Model & Type	TORQSHIFT AMT G211, 12F + 4R		G131, 9F + 1R	
Clutch Type	Single Dry Plate - Organic			
Clutch Dia	430			
Power Take off	Standard			
Axle				
Front Axle	IF 7.5 (Forged-Reverse Elliot)			
Rear Axle	MT36 (Hub Reduction) with inter axle and inter wheel differential lock			
Rear Axle Ratio	6.18			
Frame Section (D X W X T) mm	288 x 70 x 9			
Chassis Frame & Suspension				
Front Suspension	4 Leaf Parabolic Leaf spring			
Rear Suspension	Tandem, Multi Leaf Bogie			
Anti-roll Bar	Front & Rear - Standard			
Service Brakes	Pneumatic - Dual Line Drum Brakes with ABS & Hill Hold Assist		Pneumatic - Dual Line Drum Brakes with ABS	
Brakes				
Front Brake Size (mm)	410/220			
Rear Brake Size (mm)	410/220			
Auxillary Brake	Engine Brake & Exhaust Brake			
Steering				
Steering Type	Tilt & Telescopic 4 Spoke Steering Wheels with Hydraulic Power Assistance			
Fuel & Electrical System				
Fuel Tank / Filling Capacity	330 / 310	280 / 260	330 / 310	280 / 260
Adblue Tank / Filling Capacity	43 / 36			
Battery Capacity & Voltage	120Ah, 12V x 2			
Performance				
Maximum Gradeability %	59.1%	82.9%	58.0%	81.0%
Maximum Geared Speed kmph	60			
TCD (m)	19.5	16.2	19.5	16.2
Tyres				
Pattern & Size	12x20 minelug			
Weight				
Gross Vehicle Weight - GVW	35000 Kg	28000 Kg	35000 Kg	28000 Kg



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All specifications and technical data present are only indicative in nature and can be changes or revised by OEM at any given point of time.