

Two world leaders join hands for the bestseller



When two world leaders come together, they take excellence to new levels. The partnership between Tata Motors Ltd. and Marcopolo S.A., Brazil resulted in a new bestseller on Indian roads – Starbus.

BUSES & COACHES FROM
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TATA
Starbus



Starbus is a class-apart range of buses from Tata Marcopolo Motors Ltd. (TMML) that's fast becoming a familiar sight on roads across urban and semi-urban India. Owners of the bestselling Starbus take pride in the fact that this bus lives up to its promise of **reliability, durability, the highest standards of design & aesthetics, and superior passenger comfort.**

Starbus is manufactured using state-of-the-art technology at the modern and fully equipped plant of TMML, located at Dharwad, Karnataka. It is available in **12/18-seater AC & non-AC models** (BS III), **24/32/40-seater non-AC models** (BS III & BS IV), **32/40-seater AC models** (BS III & BS IV) and **24/40-seater CNG variant** (BSIV).



Unmatched offering from two renowned names

TMML, the company that brings you Starbus, is a joint venture between Tata Motors Ltd. and Marcopolo S.A., Brazil. Tata Motors needs no introduction as India's largest automobile company and the world's second largest bus manufacturing company. Today, Tata Motors has a significant presence in Asia, Europe, Africa and Latin America, with over one million buses running on Indian and foreign roads. On the other hand, Marcopolo S.A., Brazil is the world leader in body building for buses and coaches.

Together, Tata Motors and Marcopolo S.A., Brazil have brought a unique blend of customised features to Starbus. These features make Starbus the best-in-class bus that's suited for different applications, including transportation of office staff and schoolchildren, and transfers of hotel guests.



Starbus is clearly the best choice

Starbus stands apart for its robust make, superior performance and longer life. The interiors of the bus have been designed to provide **maximum comfort, space and legroom for passengers**. Moreover, its **low NVH levels** contribute to smoother rides for all. In fact, everything about Starbus spells reliability and durability – for years.

Read on to discover what makes Starbus a winning product and the best choice for your commercial transportation business.





Comfort that's a cut above

- Aesthetically designed interiors
- Longer body for extra room, even for the last row of seats
- Wider seats and high back rests
- Anti-skid vinyl flooring
- Roof luggage carrier (provision) and side luggage carrier to accommodate excess luggage, if any
- Tubular hatracks provide additional space for stacking luggage (modular hatracks in AC Starbus)
- Powder-coated grab rails (corrosion-resistant) ensure that aesthetics of interiors are retained over a longer time period



Made tough, for heavy duty performance

GI tubular structure with rings makes the bus corrosion-resistant and capable of withstanding forces of motion, thanks to higher structural strength and better body life.



- Made in jigs and engineered for precision in mass production, for body building
- Superior strength from MIG welded structure, capable of handling all types of loading & road conditions
- Strong & durable
- Zinc coating on both sides of the tubes, to increase resistance to corrosion
- Zinc rich epoxy primer coating on structure





Smart exteriors

- The front face is in FRP to avoid corrosion and ensure lesser weight of vehicle
- The rear face displays a fresh design with 3 tail lamps, adding to both the aesthetics and low maintenance cost of the bus

Sleek interiors

PVC coated GI internal panelling, compared to pre-coated GI sheet, provides a rich & pleasing look to the interiors

Electrical excellence

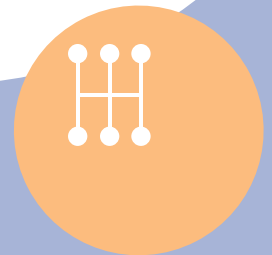
Concealed wiring provided for electrical/ electronic items & gadgets





Driver's delight

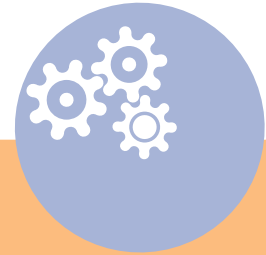
- Ergonomically designed dashboard
- Simply designed instrument cluster for easy-to-use controls
- Driver partition with glass and MS rod
- Easily accessible engine with a large engine hood
- Power steering
- Speakers for music system
- Peep window for safe driving
- Large windshield for better view
- Tow hook in front for emergency, to ensure passengers are not stranded



Safety for sure

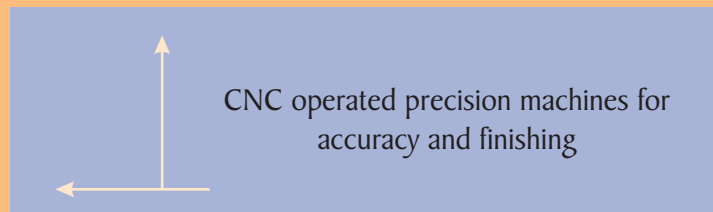


- Step lights ensure easy entry & exit in the dark
- Stanchion stop bell for emergency stoppage of bus
- Battery placed outside saloon, for added safety



Mark of advanced technology

Starbus is the product of a fully automated manufacturing and assembly plant of TMML, located at Dharwad, Karnataka. A state-of-the-art computer aided Design Lab designs the structural components of the bus. The company uses only top quality materials, all of which are sourced from reputed Tata Motors approved suppliers. The bus bodies are made from high grade, high strength steel, to give them the robustness needed to undertake journeys day after day.



Jigs and fixtures for controlled dimensions and perfect alignment



Protection against environmental corrosion



Rigid and strong tubular bus construction, integrated with chassis



Maintenance made simpler

One of the biggest advantages of owning a Starbus is easy maintenance of the bus, as is evident from the following features:

- Every maintenance part in the bus is easily accessible
- Engine cover, attached to the dashboard with hinges, has ample opening to facilitate mechanical maintenance work
- Batteries are placed in a sliding case, making them easier to service
- Spare tyre carrier is easily accessible for replacing flat tyres
- A tool box, containing a wrench, jack and warning triangle, is within easy reach



Service 24x7

Starbus is backed by warm and efficient service from the Tata Bus Terminus.

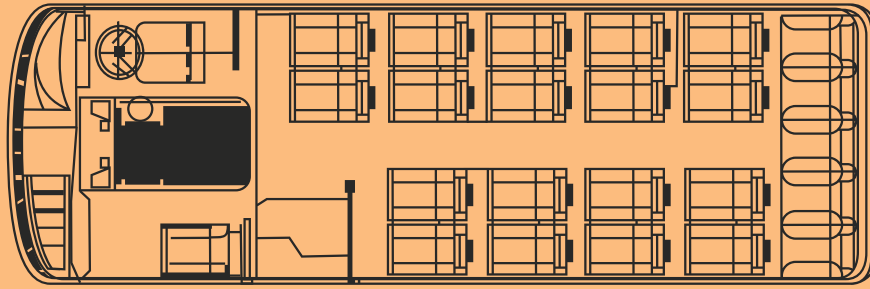
- Easy finance scheme
- Nation-wide servicing network
- 24x7 Customer Care – just call Toll-free 1800-22-5370 or +91 22 6792 7474/75/76
- One-stop source to answer your queries and meet your needs
- 3,00,000 km or 36-month warranty on aggregates
- 18-month/1,50,000 km warranty on bus body & 6-month warranty on paint
- Attractive Annual Maintenance Contract that includes repair services, overall maintenance and breakdown services



Spare parts support

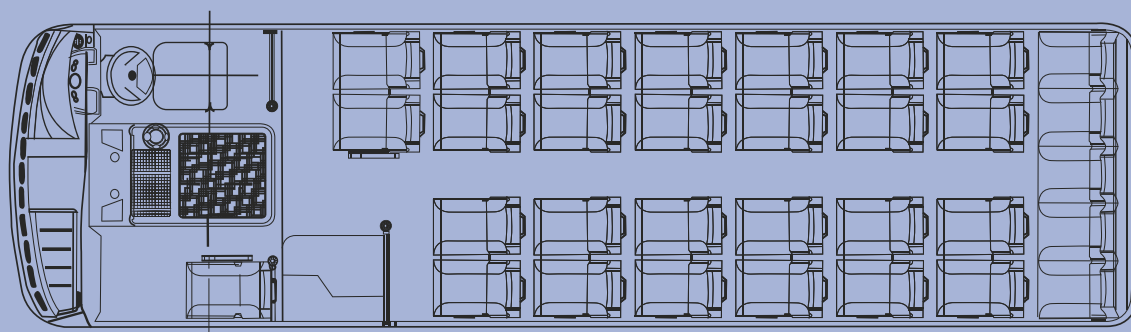
- Detailed design available till last level of component
- Catalogues available in e-Cat from first product onwards
- Design concepts for standardization & replacement of components – for better spare parts management





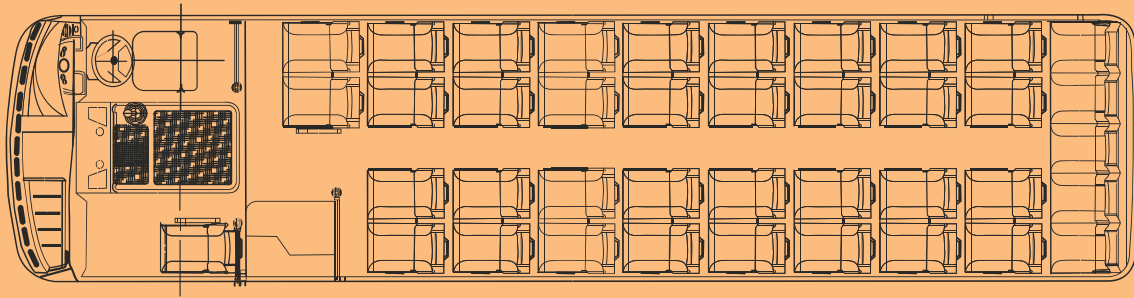
Model Name	Starbus 24	
	BS III	BS IV
Chassis Platform	LP 410 / 34 BS III Diesel; 24-seater	LP 410 / 34 BS IV Diesel; 24-seater
Engine	Tata 497 SP Turbo-charged Inter-cooled 2956 cc	Tata 497 Turbo Inter-cooled Common Rail Direct Injection, 3783 cc
Engine Power	75 Kw@2800 rpm	75 Kw@2600 rpm
Engine Torque	300 Nm@1400-1500 rpm	300 Nm@1300-1800 rpm
Driveline	280 mm Dry Single Plate	280 mm Dry Single Plate
Gearbox	GBS 27; 5 forward + 1 reverse	GBS-550 Synchronmesh; 6 forward + 1 reverse
Brakes	Hydraulic brake at front and rear	Vacuum assisted dual circuit hydraulic
Suspension	Semi-elliptical leaf spring at front and rear; hydraulic double acting telescopic shock absorber at front and rear; anti-roll bar (front & rear)	Semi-elliptical leaf spring at front and rear; hydraulic double acting telescopic shock absorber at front and rear; anti-roll bar (front & rear)
Steering	Re-circulating ball type variable ratio steering	Power steering
Battery	12 Volts, 75 Ah	12 Volts, 120 Ah
Alternator	65 Amps	65 Amps
Tyres	7.50 x 16 - 16 PR, 7 tyres	7.50 x 16 -16 PR, 7 tyres
Fuel Tank Capacity (litres)	60 Litres	60 Litres
Turning Circle Diameter (m)	12.3	12.3
Maximum GVW (kg)	6520	6520
Maximum Speed (kmph)	102	113
Body:		
Seating Capacity & Layout	24+1, 2x2	24+1, 2x2
Structure	Galvanized tubular structure	Galvanized tubular structure
Floor	Anti-skid vinyl button / coin type	Anti-skid vinyl button / coin type
Passenger Door	1 jack knife type	1 jack knife type
Front Windshield	Single piece laminated glass 6.76 mm thick	Single piece laminated glass 6.76 mm thick
Rear Windshield	Single piece tempered glass	Single piece tempered glass
Emergency Exits	Rear of bus, breakable rear glass with hammer	Rear of bus, breakable rear glass with hammer
Side Windows	Sliding glasses	Sliding glasses
First Aid Box	One no. behind driver	One no. behind driver
Roof Lamps	2 red rear & 2 white front	2 red rear & 2 white front
Step Lamp	Yes	Yes
Fire Extinguisher	1 no. of 2 kg capacity	1 no. of 2 kg capacity
Hatrack	Tubular hatrack	Tubular hatrack
Window Guardrail	2 rows	2 rows
Bell Switch	1 no. on stanchion pipe	1 no. on stanchion pipe
Emergency Alarm	Yes	Yes
Colour Scheme	Standard white colour with Starbus decals	Standard white colour with Starbus decals
Fire Retardent Material	For all interior material used in the bus	For all interior material used in the bus
Side Luggage Booth	Yes	Yes
Air-Conditioner	-	-
Overall Dimensions:		
Wheelbase (mm)	3400	3400
Front Overhang (mm)	1430	1430
Rear Overhang (mm)	2040	2040
Length (mm)	6870	6870
Overall Height (mm)	2865	2865
Max. Width (mm)	2200	2200
Internal Height (mm)	1900	1900

Technical Specifications



Model Name	Starbus 32*	
	BS III	BS IV
Chassis Platform	LP 712 / 42 BS III Diesel; 32-seater	LP 712 / 42 BS IV Diesel; 32-seater
Engine	Tata 497 Turbo-charged Inter-cooled 3783 cc	Tata 497 Turbo-charged Inter-cooled 3783 cc
Engine Power	92 Kw@2400 rpm	92 Kw@2400 rpm
Engine Torque	400 Nm@1300-1500 rpm	400 Nm@1300-1500 rpm
Driveline	310 mm Dry Single Plate	310 mm Dry Single Plate
Gearbox	GBS-40, 5 forward + 1 reverse	GBS 550 Synchronmesh, 6 forward + 1 reverse
Brakes	Dual circuit full air S-cam brake (F&R) with EEB fitment	Dual circuit full air S-cam brake (F&R); optional ABS
Suspension	Semi-elliptical leaf spring at front and rear; hydraulic double acting telescopic shock absorber at front and rear; anti-roll bar (front & rear)	Semi-elliptical leaf spring at front and rear; hydraulic double acting telescopic type at front and rear; anti-roll bar (front & rear)
Steering	Power Steering	Power Steering
Battery	12 Volts, 120 / 150 Ah	12 Volts, 120 / 150 Ah
Alternator	65 Amps	65 Amps
Tyres	7.5 x 16 - 16 PR cross ply std.	7.5 x 16 - 16 PR cross ply std.
Fuel Tank Capacity (litres)	160 litres	160 litres
Turning Circle Diameter (m)	14.6	14.6
Maximum GVW (kg)	7490	7490
Maximum Speed (kmph)	110	110
Body:		
Seating Capacity & Layout	32+1, 2x2	32+1, 2x2
Structure	Galvanized tubular structure	Galvanized tubular structure
Floor	Anti-skid vinyl button / coin type	Anti-skid vinyl button / coin type
Passenger Door	1 jack knife type	1 jack knife type
Front Windshield	Single piece laminated glass 6.76 mm thick	Single piece laminated glass 6.76 mm thick
Rear Windshield	Single piece tempered glass	Single piece tempered glass
Emergency Exits	Rear of bus, breakable rear glass with hammer	Rear of bus, breakable rear glass with hammer
Side Windows	Sliding glasses	Sliding glasses
First Aid Box	One no. behind driver	One no. behind driver
Roof Lamps	2 red rear & 2 white front	2 red rear & 2 white front
Step Lamp	Yes	Yes
Fire Extinguisher	1 no. of 2 kg capacity	1 no. of 2 kg capacity
Hatrack	Tubular hatrack / Modular in AC option	Tubular hatrack / Modular in AC option
Window Guardrail	2 rows	2 rows
Bell Switch	1 no. on stanchion pipe	1no. on stanchion pipe
Emergency Alarm	Yes	Yes
Colour Scheme	Standard white colour with Starbus decals	Standard white colour with Starbus decals
Fire Retardent Material	For all interior material used in the bus	For all interior material used in the bus
Side Luggage Booth	Yes	Yes
Air-Conditioner	Optional, engine driven 17.8 - 20 Kw	Optional, engine driven 17.8 - 20 Kw
Overall Dimensions:		
Wheelbase (mm)	4200	4200
Front Overhang (mm)	1430	1430
Rear Overhang (mm)	2520	2520
Length (mm)	8150	8150
Overall Height (mm)	2800	2800
Max. Width (mm)	2200	2200
Internal Height (mm)	1900	1900

*Also available in AC option



Model Name	Starbus 40*	
	BS III	BS IV
Chassis Platform	LP 912 / 49 BS III Diesel; 40-seater	LP 912 / 49 BS IV Diesel; 40-seater
Engine	Tata 497 Turbo-charged Inter-cooled 3783 cc	Tata 497 TCIC Common Rail Direct Injection
Engine Power	92 Kw@2400 rpm	92 Kw@2400 rpm
Engine Torque	400 Nm@1300-1500 rpm	400 Nm@1300-1500 rpm
Driveline	310 mm Dry Single Plate	310 mm Dry Single Plate
Gearbox	GBS-40; 5 forward + 1 reverse	GBS-550 Synchronesh; 6 forward + 1 reverse
Brakes	Dual circuit full air S-cam brake (F&R) with EEB fitment	Dual circuit full air S-cam brake (F&R) with EEB fitment
Suspension	Semi-elliptical leaf spring at front and rear; hydraulic double acting telescopic shock absorber at front and rear; anti-roll bar (front & rear)	Semi-elliptical leaf spring; hydraulic double acting telescopic type at front and rear; anti-roll bar (front & rear)
Steering	Power Steering	Power Steering
Battery	12 Volts, 120 / 150 Ah	12 Volts, 120 / 150 Ah
Alternator	65 Amps	65 Amps
Tyres	8.25 x 16 - 16 PR cross ply std.	8.25 x 16 - 16 PR cross ply std.
Fuel Tank Capacity (litres)	160 litres	160 litres
Turning Circle Diameter (m)	17.5	17.5
Maximum GVW (kg)	9000	9000
Maximum Speed (kmph)	107	107
Body:		
Seating Capacity & Layout	40+1, 2x2	40+1, 2x2
Structure	Galvanized tubular structure	Galvanized tubular structure
Floor	Anti-skid vinyl button / coin type	Anti-skid vinyl button / coin type
Passenger Door	1 jack knife type	1 jack knife type
Front Windshield	Single piece laminated glass 6.76 mm thick	Single piece laminated glass 6.76 mm thick
Rear Windshield	Single piece tempered glass	Single piece tempered glass
Emergency Exits	Rear of bus, breakable rear glass with hammer	Rear of bus, breakable rear glass with hammer
Side Windows	Sliding glasses	Sliding glasses
First Aid Box	One no. behind driver	One no. behind driver
Roof Lamps	2 red rear & 2 white front	2 red rear & 2 white front
Step Lamp	Yes	Yes
Fire Extinguisher	1 no. of 2 kg capacity	1 no. of 2 kg capacity
Hatrack	Tubular hatrack / Modular in AC option	Tubular hatrack / Modular in AC option
Window Guardrail	2 rows	2 rows
Bell Switch	1 no. on stanchion pipe	1 no. on stanchion pipe
Emergency Alarm	Yes	Yes
Colour Scheme	Standard white color with Starbus decals	Standard white color with Starbus decals
Fire Retardent Material	For all interior material used in the bus	For all interior material used in the bus
Side Luggage Booth	Yes	Yes
Air-Conditioner	Optional, engine driven 17.8 - 20 Kw	Optional, engine driven 17.8 - 20 Kw
Overall Dimensions:		
Wheelbase (mm)	4920	4920
Front Overhang (mm)	1430	1430
Rear Overhang (mm)	2700	2700
Length (mm)	9302	9302
Overall Height (mm)	2870	2870
Max. Width (mm)	2200	2200
Internal Height (mm)	1900	1900

*Also available in AC option

Technical specifications



Model Name	Starbus 24 CNG	Starbus 40 CNG
	BS IV	BS IV
Chassis Platform	LP 407 / 34 BS IV CNG; 24 seater	LP 909 / 49 BS IV CNG; 40 seater
Engine	Tata 3.8 SGI BS-IV engine; water-cooled naturally-aspirated, direct injection CNG engine	Tata 3.8 SGI BS-IV engine; Water cooled direct gas injection CNG engine; 3784 cc
Engine Power	62 Kw (85 Ps)@2500 rpm	62 Kw (85 Ps)@2500 rpm
Engine Torque	270 Nm@1200-1500 rpm	270 Nm@1500-1800 rpm
Driveline	280 mm single plate dry friction type	280 mm single plate dry friction type
Gearbox	GBS-27 Synchronmesh; 5 forward + 1 reverse	GBS-27 Synchronmesh; 5 forward + 1 reverse
Brakes	Vaccum-assisted dual circuit hydraulic with tandem master cylinder	Dual circuit full air S-Cam brake
Suspension	Semi-elliptical leaf spring at front and rear; hydraulic double acting telescopic type at front and rear; anti-roll bar (front & rear)	Semi-elliptical leaf spring at front and rear; hydraulic double acting telescopic type at front and rear; anti-roll bar (front & rear)
Steering	Power Steering	Power Steering
Battery	12 Volts, 120 Ah	12 Volts, 150 Ah
Alternator	65 Amps	65 Amps
Tyres	7.5 X 16 - 16 PR Radial	8.25 x 16 - 16 PR
Fuel Tank Capacity (litres)	310 litres / 245 litres / 180 litres	480 litres / 390 litres / 300 litres
Turning Circle Diameter (m)	12.3	17.5
Maximum GVW (kg)	6520	9400
Maximum Speed (kmph)	94	84
Body:		
Seating Capacity & Layout	24+1, 2x2	40+1, 2x2
Structure	Galvanized tubular structure	Galvanized tubular structure
Floor	Anti-skid vinyl button / coin type	Anti-skid vinyl button / coin type
Passenger Door	1 jack knife type	1 jack knife type
Front Windshield	Single piece laminated glass 6.76 mm thick	Single piece laminated glass 6.76 mm thick
Rear Windshield	Single piece tempered glass	Single piece tempered glass
Emergency Exits	Rear of bus, breakable rear glass with hammer	Rear of bus, breakable rear glass with hammer
Side Windows	Sliding glasses	Sliding glasses
First Aid Box	One no. behind driver	One no. behind driver
Roof Lamps	2 red rear & 2 white front	2 red rear & 2 white front
Step Lamp	Yes	No
Fire Extinguisher	1 no. of 2 kg capacity	1 no. of 2 kg capacity
Hatrack	Tubular hatrack	Tubular hatrack
Window Guardrail	2 rows	2 rows
Bell Switch	1 no. on stanchion pipe	1 no. on stanchion pipe
Emergency Alarm	Yes	Yes
Colour Scheme	Standard white colour with Starbus decals	Standard white colour with Starbus decals
Fire Retardent Material	For all interior material used in the bus	For all interior material used in the bus
Side Luggage Booth	Not provided	Not provided
Air-Conditioner	-	-
Overall Dimensions:		
Wheelbase (mm)	3400	4920
Front Overhang (mm)	1430	1430
Rear Overhang (mm)	2040	2952
Length (mm)	6970	9300
Overall Height (mm)	2800	2870
Max. Width (mm)	2200	2200
Internal Height (mm)	1900	1900

School bus variants available are: Starbus Skool 26-seater (Diesel BS III, Diesel BS IV and CNG BS IV); Starbus Skool 36-seater (Diesel BS III and BS IV); Starbus Skool 40-seater (Diesel BS III, BS IV and CNG BS IV); Starbus Skool 52-seater (Diesel BS III). For details, please refer to the school bus brochure.

TATA MOTORS

For more information, please visit our website: www.buses.tatamotors.com. You can also contact our Sales Office: 26th Floor, Centre 1, World Trade Centre, Cuffe Parade, Mumbai 400 005. Tel: (022) 6656 1800; Fax: (022) 6636 0408/0409. Email: businfo@tatamotors.com

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