### Value Enhancers BS6 P2



All pictures shown are for illustration purpose only. Actual product may vary. CAUTION: Accessories shown in the picture or elsewhere do not constitute standau fitment. The specifications are merely indicative. Due to continuous product improvements, these specifications are liable to change without notice.





# PEACEFUL JOURNEYS, POWERED BY SAFETY & COMFORT

### Presenting Tata Motors Staff Bus Range



Cover Page 1



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#### **Power of Profit**

- Improved fuel efficiency
- Higher uptime due to longer & synchronised service intervals
- Low rolling resistance radial tubeless tyres
- Modular design



#### **Power of Convenience** $\bigotimes$

- Multi-functional instrument cluster in-built with Gear Shift Advisor (GSA)
- ITS enabled bus
- Music system (optional) + USB charger in AC buses
- Illuminated dashboard switches for ease of detection
- Reverse parking assistance
- Best-in-class cabin storage

As a working professional and family man, you have twin responsibilities to fulfill. During working hours, you have a hectic routine to follow in office. Back home, you arrive exhausted with all your energy sapped by the rush hour traffic. Which leaves you little time to relax and bond with family.

Here's where Tata Motors promises a big change in your commute with its latest range of staff buses. Designed with class-apart features that make your commute way better.

### **Power of Performance**

Higher power & torque

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- Multimode FE switch to introduce in 3.3 | platform
- Better drivability with flatter torque curve
- Power steering with tiltable & telescopic column
- Improved braking performance

#### **Power of Design & Style**

- Power of Design & S
   Front face with Tata trust bar
  - Panoramic curved front windshield
  - Elegant & clean interior finish
  - ABS window pillar for each window
  - New slenderised internal LED lamps with moon lighting



#### **Power of Comfort**

- Improved driver visibility
- Improved pedal positions & reduced effort
- Reduced gear shifting effort
- Increased passenger comfort
- Lower NVH

#### **Power of Value**

- Superior service network
- 4-year/4 00 000 km vehicle warranty
- 3-year/3 00 000 km standard body warranty
- Sampoorna Seva 2.0
- Tata Genuine Parts
- Tata Prolife
- Leasing & Fleet Management Solutions

#### Buses that make you Feel Comfortable

The journey to office and back home are best enjoyed in the well known Tata Starbus, Ultra & Cityride buses, AC and Non-AC versions, because every ride makes you feel comfortable.

#### **Fully Built Solutions**

Fully built solutions made possible by Tata Motors Body Building Solution. Earlier, both Tata Starbus and Starbus Ultra came to you from Tata Motors Body Building Solution, a joint venture between Tata Motors and Marcopolo S.A. Brazil, world leaders in bus body building.

#### Cityride

CityRide buses are the most dependable partners on city roads. Their comfort, drive features and economy make them great value for money as a staff bus.

#### Starbus

Starbus is known for optimum comfort and maximum fuel efficiency, across India. The all-new Starbus staff buses take a leap forward with unmatched features



Starbus Ultra staff buses are built on the new Ultra platform. With their New Generation engine and other features, they offer the best mix of performance and comfort.





#### Technology

A milestone achievement featuring in the buses is the huge NVH reduction in the chassis due to improvements such as:

- Softer engine mounts
- Reduced unbalance propeller shaft
- Bracket engine mount stiffener
- Special treatment has also been given to aggregates like hatrack, to reduce overall noise levels. The buses come with a parabolic suspension that minimises jerks over potholes.
- The chassis also boast of technological advancements like: Use of straight frame chassis
- All platforms made modular

#### **Driving Comfort**

The efficiency of the driver depends a lot on the driving comfort and related features.

This is where the buses score high because of:

- Tilt & telescopic steering Pneumatically suspended driver seat Accelerator, brake & clutch effort reduced
- Gear lever with cable shift mechanism Multi-functional instrument cluster



### **Experience Comfort on a Tata Staff Bus**

Tata Starbus, Ultra & Cityride staff buses offer the kind of travel experience that is private and exclusive, surrounded by a world of comfort. Sit back and relax with every trip, surrounded by a world of comfort and aesthetic features.

#### Aesthetics

Tata Starbus, Ultra & Cityride staff buses come with a new stylish facia with aesthetics as the new bus design features, such as:

- Curved A pillar
- Cockpit type design
- Lowered dashboard
- Sleek LED lights
- AC provisions







### Wide Inside. Stylish Outside.

Tata Starbus, Ultra & Cityride staff buses come with extra width. This enables an increase in seating capacity by 8-10 seats.

- Wider buses available in 40, 50 & 55-seater combinations
- Best example of internal space utilisation





#### **Safety First**

The staff buses are made to ensure safe & sound commute that's simply best-in-class:

- More robust structure, more survival space
- Fire retardant material used in seat upholstery & marine plywood
- Panic buttons for emergencies
- Sensitive pneumatic doors (only in AC buses)



#### **Extra Comfort**

Comfort in the buses is maximised by several new features:

- Wide, ergonomically designed seats
- Elegant & clean interior finish with less number of joineries
- New standardised internal LED lamps with moon lighting
- USB charging points in AC buses



### Features that Ease Travel



4 Years / 4 00 000 km Warranty 4SPCR on Driveline 3.3 | Turbotronn 2.0 3 Year / 3 00 000 km Warranty 3.8 SGI TCIC on Bus Body





Gear Lever with Cable Shift Pagoda Gear Cover Mechanism for Smooth Gear Shift



Tilt and Telescopic Corporate Low CRR Radial Tyres Steering for Shoulder Comfort for Better Mileage and Tyre Life



**HDEP Fuel Tank** 

Fuel Monitoring System



E Viscous Fan



Wheel Bearing



Electronic Stability Control

Hill Start Assist





**Cruise Control** 

Electronic Horn

Multi-mode Fuel Economy Switch\*



Torque Based Gear Shift Advisor



Electronic Stability Control Hold Assist







Improved Engine Hood Insulation



**USB Charging Points** for Passenger Convenience









Pneumatic Door with Sensitivity for Passenger Safety<sup>#</sup>







4G Telematic Connectivity Fleet Edge Telematics





Multiple Body Width 2200 / 2340 / 2350



All Wheel Disk Brakes



NVH Propeller Shaft Support

LED Destination Board

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Hand Hold Straps for Passengers Individual Seats with Arm Rest

### **Cool Commutes on AC Buses**

There's a growing need for AC staff buses in India. Tata Starbus & Ultra AC buses meet this demand with features

that make every

commute a cool, comfortable one:



- Fabric seats
- Charging point on every seat
- Sensitive pneumatic door
- Option of 16-seater to 50-seater buses



Firmware Over the Air



**Gateway Domain Controller Unit** 

### Advantage of 3D Scroll **Compressor on AC Bus**

- High reliability
- High cooling capacity and air flow
- Cooling performance 12 % 15 % better than competition
- Reduced refrigerant charge due to multi-flow condenser
- Easy maintenance access
- Lower interior noise & floor vibration
- Better fuel efficiency w.r.t competition (10 %)
- Low weight
- Easy installation



7 Layer Exhaust Insulation

425 mm Passenger Seat Depth

### **Multiple options**

| Brand:     | <ul> <li>Ultra Starbus Prime</li> <li>Starbus Cityride Prime Cityride</li> </ul> |
|------------|--|
| Seating:   | ■ 2x1 ■ 2x2 ■ 3x2  |
| Seat type: | <ul> <li>High Back</li> <li>High Back Reclining</li> <li>Push Back</li> </ul>    |

Body width: 2200 2340 2550 2570



<sup>#</sup>Standard fitment in AC buses

## **Technical Specifications**

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| Parameters         | TML                                    | TML                                    | TML                                    | TML                                 | TML                                 | TML                                 | TML                                 | TML                                 |
|--------------------|--|--|--|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Bus Model          | LP 410/29                              | LP 410/31                              | LP 410/33                              | LP 412/36                           | LPO 8.6/44                          | LP 712/39                           | LP 712/45                           | LP 716/45                           |
| Wheelbase          | 2 955 mm                               | 3 100 mm                               | 3 300 mm                               | 3 600 mm                            | 4 400 mm                            | 3 900 mm                            | 4 500 mm                            | 4 500 mm                            |
| Engine             | TATA 4SP CR                            | TATA 4SP CR                            | TATA 4SP CR                            | TATA 4SP CR                         | 3.3 LTR                             | TATA 4SP CR                         | TATA 4SP CR                         | 3.3                                 |
| Engine Power       | 74 kW @ 2 800 r/min                    | 74 kW @ 2800 r/min                     | 74 kW @ 2 800 r/min                    | 92 kW @ 2 800 r/min                 | 117 kW @ 2 600 r/min                | 92 kW @ 2 800 r/min                 | 92 kW @ 2 800 r/min                 | 117 kW @ 2 600 r/min                |
| Engine Torque      | 300 Nm @<br>1 400-2 200 r/min          | 300 Nm @<br>1400-2200 r/min            | 300 Nm @<br>1 400-2 200 r/min          | 350 Nm @<br>1 400-2 400 r/min       | 475 Nm @<br>1 600-2 000r/min        | 350 Nm @<br>1 400-2 400 r/min       | 350 Nm @<br>1 400-2 400 r/min       | 475 Nm @<br>1 600-2 000r/min        |
| Clutch Diameter    | 280 mm                                 | 280 mm                                 | 280 mm                                 | 310 mm                              | 330 mm                              | 310 mm                              | 310 mm                              | 330 mm                              |
| Gearbox            | GB400 - Cable Shift                    | GB400 - Cable Shift                    | GB400 - Cable Shift                    | GB400 - Cable Shift                 | G 550 6 Speed Cable Shift           | GB400 - Cable Shift                 | GB400 - Cable Shift                 | G 550 6 Speed Cable Shift           |
| Brakes             | All wheel Disc with<br>Hydraulic Brake | All wheel Disc with<br>Hydraulic Brake | All wheel Disc with<br>Hydraulic Brake | Air Brakes                          |
| Suspension         | Parabolic Suspension                   | Parabolic Suspension                   | Parabolic Suspension                   | Parabolic Suspension                | Parabolic Suspension                | Parabolic Suspension                | Parabolic Suspension                | Parabolic Suspension                |
| Steering           | Power-Steering,<br>Tilt - Telescope    | Power-Steering,<br>Tilt - Telescope    | Power-Steering,<br>Tilt - Telescope    | Power-Steering,<br>Tilt - Telescope | Power-Steering,<br>Tilt - Telescope | Power-Steering,<br>Tilt - Telescope | Power-Steering,<br>Tilt - Telescope | Power-Steering,<br>Tilt - Telescope |
| Battery            | 12 V, 100 Ah                           | 12 V, 100 Ah                           | 12 V, 100 Ah                           | 12 V, 100 Ah                        | 12 V/24 V, 120 Ah                   | 12 V, 100 Ah                        | 12 V, 100 Ah                        | 12 V/24 V, 120 Ah                   |
| Alternator         | 75 A/150A                              | 75 A                                   | 75 A/150A                              | 75 A/150A                           | 120 A/150 A                         | 75 A                                | 75 A/150A                           | 120 A/150 A                         |
| Tyres              | 215/75 R17.5                           | 215/75 R17.5                           | 215/75 R17.5                           | 215/75R17.5 / 7.50X16               | 225/75 R17.5 I 8.25X16              | 225/75R17.5                         | 225/75R17.5   7.50X16               | 225/75 R17.5 I 8.25X16              |
| Fuel Tank Capacity | 60 l Plastic                           | 60 l Plastic                           | 60 l Plastic                           | 1201/901                            | 1201/901                            | 120 l Plastic                       | 1201/901                            | 1201/901                            |
| DEF Tank Capacity  | 181                                    | 181                                    | 181                                    | 181                                 | 18  / 25                            | 18                                  | 18 I                                | 181/251                             |
| Max. GVW           | 4 950 kg                               | 5 500 kg                               | 5 500 kg                               | 7 000 kg                            | 8 700 kg                            | 7 500 kg                            | 8 200 kg                            | 8 500 kg                            |
| Seating Capacity   | 12 & 16                                | 12/14/16/18                            | 19/20                                  | 19/20/24/26                         | 34/42                               | 28/30/32                            | 22/32/34                            | 22/32/34                            |
| Length             | 5 535 mm                               | 5 735 mm                               | 5 880 mm                               | 7 190 mm                            | 8 840 mm                            | 7 670 mm                            | 8 630 mm                            | 8 630 mm                            |
| Rear Overhang      | 1 650 mm                               | 1 736 mm                               | 1 650 mm                               | 2 160 mm                            | 2 640 mm                            | 2 340 mm                            | 2 700 mm                            | 2 700 mm                            |
| Front Overhang     | 930 mm                                 | 930 mm                                 | 930 mm                                 | 1 430 mm                            | 1 800 mm                            | 1 430 mm                            | 1 430 mm                            | 1 430 mm                            |
| Overall Height     | 2 785 mm / 3 005 mm                    | 2 785 mm                               | 2 785 mm / 3 005 mm                    | 2 910 mm / 3120 mm                  | 2 910 mm / 3120 mm                  | 2 910 mm                            | 2 910 mm / 3 120 mm                 | 2 910 mm/ 3 120 mm                  |
| Max. Width         | 2 200 mm                               | 2 200 mm                               | 2 200 mm                               | 2 200 mm / 2 340 mm                 | 2 340 mm / 2 550 mm                 | 2 340 mm                            | 2 200 mm /2 340 mm                  | 2 340 mm/ 2 550 mm                  |
| TCD                | 11 300 mm                              | 12 000 mm                              | 12 500 mm                              | 13 800 mm                           | 18 000 mm                           | 15 900 mm                           | 17 500 mm                           | 17 500 mm                           |
| Ground clearance   | 200 mm                                 | 200 mm                                 | 200 mm                                 | 180 mm                              | 180 mm                              | 180 mm                              | 180 mm                              | 180 mm                              |

## **Technical Specifications**

| TML                                 |
|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| LP 812/52                           | LP 916/52                           | LPO 11.6/54                         | LPO 1316/54                         | LPO 1316/57                         | LP 410/36 CNG                       | LP 810/45 CNG                       | LP 910/52 CNG                       | LP 913/52 CNG                       |
| 5 200 mm                            | 5 200 mm                            | 5 400 mm                            | 5 400 mm                            | 5 700 mm                            | 3 600 mm                            | 4 500 mm                            | 5 200 mm                            | 5 200 mm                            |
| TATA 4SP CR                         | 3.3                                 | 3.31                                | 3.3                                 | 3.31                                | TATA 3.8 SGI NA                     | TATA 3.8 SGI NA                     | TATA 3.8 SGI NA                     | TATA 3.8 SGI TCIC                   |
| 92 kW @ 2 800 r/min                 | 117 kW @ 2 600 r/min                | 117 kW @ 2 600 r/min                | 117 kW @ 2 600 r/min                | 117 kW @ 2 600 r/min                | 62 kW @ 2 500 r/min                 | 62 kW @ 2 500 r/min                 | 62 kW @ 2 500 r/min                 | 92 kW @ 2 400 r/min                 |
| 350 Nm @<br>1 400-2 400 r/min       | 475 Nm @<br>1 600-2 000r/min        | 285 Nm @<br>1 200-1 500r/min        | 285 Nm @<br>1 200-1 500r/min        | 285 Nm @<br>1 200-1 500r/min        | 470 Nm @<br>1 400-1 600 r/min       |
| 310 mm                              | 330 mm                              | 330 mm                              | 330 mm                              | 330 mm                              | 280 mm                              | 280 mm                              | 280 mm                              | 330 mm                              |
| GB400 - Cable Shift                 | G 550 6 Speed Cable Shift           | G 550 6 Speed Cable Shift           | G 550 5 Speed Cable Shift           | G 550 5 Speed Cable Shift           | GB400 - Cable Shift                 | GB400 - Cable Shift                 | GB400 - Cable Shift                 | GBS550 - Cable Shift                |
| Air Brakes                          |
| Parabolic Suspension                | Parabolic Suspension                | Dual Stage<br>Parabolic Suspension  | Dual Stage<br>Parabolic Suspension  | Dual Stage<br>Parabolic Suspension  | Parabolic Suspension                | Parabolic Suspension                | Parabolic Suspension                | Dual Stage<br>Parabolic Suspension  |
| Power-Steering,<br>Tilt - Telescope |
| 12 V, 100 Ah                        | 12 V/24 V, 120 Ah                   | 12 V/24 V, 120 Ah                   | 12 V/24 V, 120 Ah                   | 12 V, 120 Ah                        | 12 V, 120 Ah                        | 12 V, 120 Ah                        | 12 V, 120 Ah                        | 24 V, 120 Ah                        |
| 75 A                                | 120 A/150 A                         | 120 A/150 A                         | 120 A/150 A                         | 120 A                               | 120 A/150 A                         | 120 A                               | 120 A                               | 150 A                               |
| 225/75R17.5 7.50X16                 | 235/75R17.5 8.25X16                 | 235/75 R17.5 8.25X16                | 9R20 / 10R20                        | 9R20 / 10R20                        | 215/75R17.5   7.50X16               | 225/75R17.5                         | 235/75 R17.5   8.25X16              | 235/75 R17.5 8.25X16                |
| 1201/901                            | 120   / 90                          | 160   / 120                         | 160 <b>I</b>                        | 160 l                               | 360   / 270                         | 486 l                               | 5161/4401                           | 5161/4401                           |
| 18 <b>I</b>                         | 181/251                             | 18   / 25                           | 181/251                             | 18 <b>I</b>                         | NA                                  | NA                                  | NA                                  | NA                                  |
| 8 800 kg                            | 10 200 kg                           | 10 800 kg                           | 14 000 kg                           | 14 000 kg                           | 7 500 kg                            | 8 500 kg                            | 9 600 kg                            | 10 200 kg                           |
| 40                                  | 35/40/50                            | 40/42/44/50/55                      | 40/42/45/50/55                      | 40/45/50/56                         | 24                                  | 32                                  | 35/40                               | 35/40/50                            |
| 9 750 mm                            | 9 750 mm                            | 10 440 mm                           | 10 720 mm                           | 11 220 mm                           | 7 190 mm                            | 8 630 mm                            | 9 750 mm                            | 9 750 mm                            |
| 3 120 mm                            | 3 120 mm                            | 3 240 mm                            | 3 220 mm                            | 3 420 mm                            | 2 160 mm                            | 2 700 mm                            | 2 950 mm                            | 2 950 mm                            |
| 1 430 mm                            | 1 430 mm                            | 1 800 mm                            | 2 100 mm                            | 2 100 mm                            | 1 430 mm                            | 1 430 mm                            | 1 430 mm                            | 1 430 mm                            |
| 2 910 mm                            | 2 910 mm / 3 120 mm                 | 2 910 mm / 3 120 mm                 | 3 160 mm                            | 3 160 mm                            | 2 910 mm / 3 120 mm                 | 2 910 mm                            | 2 910 mm                            | 2 910 mm / 3 120 mm                 |
| 2 340 mm / 2 200 mm                 | 2 340 mm / 2 550 mm                 | 2 340 mm / 2 550 mm                 | 2 570 mm                            | 2 570 mm                            | 2 340 mm                            | 2 340 mm                            | 2 340 mm                            | 2 340 mm / 2 550 mm                 |
| 18 000 mm                           | 18 000 mm                           | 19 500 mm                           | 20 500 mm                           | 21 000 mm                           | 13 800 mm                           | 17 500 mm                           | 18 500 mm                           | 18 500 mm                           |
| 180 mm                              | 180 mm                              | 180 mm                              | 240 mm                              | 240 mm                              | 180 mm                              | 180 mm                              | 180 mm                              | 180 mm                              |