

TATA MOTORS

Connecting Aspirations

TATA SPECIFICATIONS

Model	LPT 813 EX2 4x2 Freight Carrier	LPK 813 EX2 4x2 Tipper	LPTA 715 4x4 Freight Carrier
ENGINE			
Make / Model	TATA 697 TCIC (Euro 2)	TATA 697 TCIC (Euro 2)	Tata Cummins 6BTAA 5.9TC (Euro 3)
Capacity (cm ³)	5 675	5 675	5 883
Layout	Diesel In-line 6	Diesel In-line 6	Diesel In-line 6
Type	Turbo intercooled	Turbo intercooled	Turbo intercooled
Power – kW @ r/min	95 @ 2 400	95 @ 2 400	108 @ 2 500
Torque – Nm @ r/min	416 @ 1 400 - 1 700	416 @ 1 400 - 1 700	590 @ 1 500
TRANSMISSION			
Make / Model	TATA GBS - 40	TATA GBS - 40	TATA GBS - 600
Type	Synchromesh	Synchromesh	Synchromesh
Shift	Manual	Manual	Manual
No. of Forward Gears	5	5	6
High / Low Ratios	7.5:1 / 1:1	7.5:1 / 1:1	6.58:1 / 0.77:1
DIMENSIONS (mm)			
Overall Height	2 341	2 455	2 850
Overall Length	6 860	5 780	5 616
Overall Width	2 155	2 155	2 145
Front Overhang	1 275	1 273	1 431
Rear Overhang	2 100	1 450	960
Wheelbase	3 800	3 400	3 225
Cab to Bogie / Rear Axle	3 475	3 108	3 091
MASS (kg)			
Manufacturer's Gross Vehicle Mass (GVM)	8 050	8 050	7 650
Permissible Maximum Vehicle Mass (V)	8 050	8 050	7 750
Manufacturer's Gross Combination Mass (GCM)	10 050	10 050	10 250
Permissible Maximum Drawing Vehicle Mass (DT)	10 050	10 050	10 250
Permissible Body + Payload	4 990	3 970	3 310
Tare (T)	3 060	4 080	4 340
Permissible Rear Axle Weight	5 060	5 060	4 000
Permissible Front Axle Weight	2 990	2 900	3 750
Manufacturer's Rear Axle Weight	5 060	5 060	4 000
Manufacturer's Front Axle Weight	2 990	2 900	3 750
CLUTCH			
Type	Single	Single	Single
Diameter (mm)	310	310	352
DRIVE AXLE			
Reduction Type	Single	Single	Single
Final Ratio	3.11:1	3.44:1	5.857:1
BRAKES			
Type	Full air dual	Full air dual	Full air dual
Front	Drums	Drums	Drums
Rear	Drums	Drums	Drums
Anti-lock Braking System (ABS)	Yes	Yes	Yes
FUEL			
Tank Capacity (l)	120	120	200
TYRES			
Size and Ply Rating	7.50 R16 - 14PR	7.50 R16 - 14PR	12.00x20 - 18PR





ULTRA 814	LPT 1216 4x2 Freight Carrier	LPT 1518 EX2 4x2 Freight Carrier
TATA NG3LCR E3	TATA 697 TCIC (Euro 2)	Tata Cummins B180 20 (Euro 2)
2 956	5 675	5 883
Diesel In-line 4 CRDi	Diesel In-line 6 Turbo intercooled	Diesel In-line 6 Turbo intercooled
104 @ 2 600	118 @ 2 400	132 @ 2 500
390 @ 1 400 - 2 000	550 @ 1 500	650 @ 1 500
TATA G550 - OD Manual	TATA GBS - 600 Synchromesh	TATA GBS - 750 Synchromesh
Mechanically operated	Manual	Manual
6	6	6
6,9:1 / 0,84:1	6,58:1 / 0,77:1	6,58:1 / 0,77:1
2 464	2 473	2 800
7 058	8 335	9 047
2 204	2 270	2 440
1 180	1 275	1 515
1 863	2 285	2 337
3 920	4 830	5 195
-	3 875	4 642
8 750	11 500	14 900
8 750	11 500	14 900
15 230	14 900	21 400
15 230	14 900	21 400
5 600	7 490	9 680
3 150	4 010	5 220
5 500	7 500	9 000
3 250	4 000	6 000
5 500	7 500	9 000
3 250	4 000	6 000
Single dry friction booster assisted	Single	Single
330	352	380
Single	Single	Single
4,857:1	5,285:1	5,857:1
Full air brake	Full air dual	Full air dual
Drum	Drums	Drums
Drum	Drums	Drums
Yes	Yes	Yes
120	160	350

225/75 R17.5

8.25 R20 - 14PR

11.00 R22.5 - 16PR



TATA MOTORS

Connecting Aspirations

TATA SPECIFICATIONS

Model	LPT 1518 EX2 Sleeper Cab 4x2 Freight Carrier	LPK 1518 4x2 Tipper	LPT 1623 4x2 Freight Carrier	LPT 1918 6x2 Freight Carrier	LPT 2523 TC 6x4 Freight Carrier
ENGINE					
Make / Model	Tata Cummins B180 20 (Euro 2)	Tata Cummins B180 20 (Euro 2)	Tata Cummins B5.9 E-III	Tata Cummins B180 20 (Euro 2)	Tata Cummins B235 20 (Euro 2)
Capacity (cm ³)	5 883	5 883	5 883	5 883	5 883
Layout	Diesel In-line 6	Diesel In-line 6	Diesel In-line 6	Diesel In-line 6	Diesel In-line 6
Type	Turbo intercooled	Turbo intercooled	Water Cooled, Direct Injection, Turbocharged	Turbo intercooled	Turbo intercooled
Power – kW @ r/min	132 @ 2 500	131 @ 2 500	154 @ 2 500	130 @ 2 250	170 @ 2 500
Torque – Nm @ r/min	650 @ 1 500	650 @ 1 500	789 @ 1 500	650 @ 1 500	814 @ 1 500
TRANSMISSION					
Make / Model	TATA GBS - 750	TATA GBS - 750	Eaton	TATA GBS - 750	ZF 9S 1110
Type	Synchromesh	Synchromesh	Synchromesh	Synchromesh	Synchromesh
Shift	Manual	Manual	Manual	Manual	Manual
No. of Forward Gears	6	6	6	6	9
High / Low Ratios	6,58:1 / 0,77:1	6,58:1 / 0,77:1	7,05:1 / 0,78:1	6,58:1 / 0,77:1	9,48:1 / 0,75:1
DIMENSIONS (mm)					
Overall Height	2 859	2 970	2 744	2 690	2 800
Overall Length	9 047	6 595	9 048	9 265	9 370
Overall Width	2 440	2 440	2 474	2 440	2 448
Front Overhang	1 515	1 515	1 515	1 515	1 515
Rear Overhang	2 337	1 500	2 340	2 155	2 170
Wheelbase	5 195	3 580	5 195	4 880	4 880
Cab to Bogie / Rear Axle	4 570	3 017	-	4 055	4 055
MASS (kg)					
Manufacturer's Gross Vehicle Mass (GVM)	14 900	14 900	16 000	19 000	24 000
Permissible Maximum Vehicle Mass (V)	14 900	14 900	16 000	19 000	24 000
Manufacturer's Gross Combination Mass (GCM)	21 400	21 400	21 400	26 000	31 000
Permissible Maximum Drawing Vehicle Mass (DT)	21 400	21 400	21 400	26 000	31 000
Permissible Body + Payload	9 680	7 730	10 500	12 620	16 620
Tare (T)	5 220	7 170	5 500	6 380	7 380
Permissible Rear Axle Weight	9 000	9 000	9 000	15 000	18 000
Permissible Front Axle Weight	6 000	6 000	7 000	6 000	6 000
Manufacturer's Rear Axle Weight	9 000	9 000	9 000	15 000	19 000
Manufacturer's Front Axle Weight	6 000	6 000	7 000	6 000	6 000
CLUTCH					
Type	Single	Single	Single Dry friction	Single	Single
Diameter (mm)	380	380	380	380	380
DRIVE AXLE					
Reduction Type	Single	Single	Single	Single	Single
Final Ratio	5,857:1	5,857:1	5,857:1	6,833:1	6,171:1
BRAKES					
Type	Full air dual	Full air dual	Full air dual	Full air dual	Full air dual
Front	Drums	Drums	Drum	Drums	Drums
Rear	Drums	Drums	Drum	Drums	Drums
Anti-lock Braking System (ABS)	Yes	Yes	Yes	Yes	Yes
FUEL					
Tank Capacity (l)	350	225	350	350	350
TYRES					
Size and Ply Rating	11.00 R22.5 - 16PR	11.00 R22.5 - 16PR	295/80 R22.5 Tubeless Radial	11.00 R22.5 - 16PR	11.00 R22.5 - 16PR





TATA SPECIFICATIONS

Model	PRIMA 4038S 4x2 Truck Tractor	PRIMA 4938S 6x4 Truck Tractor	PRIMA 2528K 6x4 Tipper	PRIMA 3338K 8x4 Tipper
ENGINE				
Make / Model	Cummins ISLe 370 Euro-3	Cummins ISLe 375 Euro-3	Cummins ISBe 270 Euro-3	Cummins ISLe 375 Euro-3
Capacity (cm ³)	8 898	8 898	6 700	8 850
Layout	6-cylinder common-rail Diesel	6-cylinder common-rail Diesel	6-cylinder common-rail Diesel	6-cylinder common-rail Diesel
Type	Turbo intercooled	Turbo intercooled	Turbo intercooled	Turbo intercooled
Power – kW @ r/min	276 @ 2 100	279 @ 2 100	198 @ 2 500	268 @ 2 100
Torque – Nm @ r/min	1 550 @ 1 200 - 1 400	1 550 @ 1 200 - 1 400	970 @ 1 200 - 1 700	1 550 @ 1 200 - 1 400
TRANSMISSION				
Make / Model	Eaton FSO10309 OD	Eaton FSO10309 OD	ZF 9S 1110 DD	Eaton ES15409 DD
Type	Synchromesh	Synchromesh	Synchromesh	Synchromesh
Shift	Manual	Manual	Manual	Manual
No. of Forward Gears	9	9	9	9
High / Low Ratios	10,58:1 / 0,74:1	10,58:1 / 0,74:1	12,73:1 / 1,00:1	14,39:1 / 1,00:1
DIMENSIONS (mm)				
Overall Height	3 286	3 286	3 486	4 218
Overall Length	6 133	6 968	8 337	9 260
Overall Width	2 950	2 950	2 950	2 600
Front Overhang	1 465	1 482	1 482	1 482
Rear Overhang	1 191	921	1 610	1 800
Wheelbase	3 460	3 890	4 570	5 250
Cab to Bogie / Rear Axle	2 262	2 695	3 850	4 525
MASS (kg)				
Manufacturer's Gross Vehicle Mass (GVM)	18 000	25 500	25 500	33 000
Permissible Maximum Vehicle Mass (V)	18 000	25 500	25 500	33 000
Manufacturer's Gross Combination Mass (GCM)	40 500	49 500	-	-
Permissible Maximum Drawing Vehicle Mass (DT)	40 500	49 500	Provision	Provision
Total unladen - w/o body	7 450	9 970	8 455	11 220
Permissible Rear Axle Weight	9 000	18 000	18 000	18 000
Permissible Front Axle Weight	7 500	7 500	7 500	15 000
Manufacturer's Rear Axle Weight	13 000	21 000	18 000	18 000
Manufacturer's Front Axle Weight	7 500	7 500	7 500	15 000
CLUTCH				
Type	Single	Single	Single	Single
Diameter (mm)	430	430	430	430
DRIVE AXLE				
Reduction Type	Hub reduction	Hub reduction	Single reduction	Hub reduction
Final Ratio	5,126:1	5,492:1	5,86:1	7,246:1
BRAKES				
Type	Full Air Dual Circuit with ABS	Full Air Dual Circuit with ABS	Full Air Dual Circuit with ABS	Full Air Dual Circuit with ABS
SUSPENSION				
Front	Parabolic Leaf Springs	Parabolic Leaf Springs	Parabolic Leaf Springs	Parabolic Leaf Springs
Rear	Semi-elliptical Leaf Springs	Semi-elliptical Leaf Springs	Rear Bogie Suspension	Rear Bogie Suspension
FUEL				
Tank Capacity (l)	625	630	365	260
TYRES				
Size and Ply Rating	315/80 R22.5 Rib at front and Lug at rear	315/80 R22.5 Rib at front and Lug at rear	315/80 R22.5 Rib at front and Lug at rear	12 R24 (on/off road) at front and rear
OTHER TECHNICAL FEATURES				
Gradeability (%)	35,0	30,6	32	54
Max. Speed (km/h)	99	103	80	80





TATA BUS SPECIFICATIONS

Model	LP 713 TMP 28-seater 4x2	LPO 918 38-seater 4x2	LPO 1823 65-seater 4x2
ENGINE			
Make / Model	TATA 697 TCIC (Euro 2)	Tata Cummins 6BT 5.9 - 180 (Euro 2)	Tata Cummins 6BT AA 5.9 - 230 (Euro 2)
Capacity (cm ³)	5 675	5 883	5 883
Layout	Diesel in-line 6	Diesel in-line 6	Diesel in-line 6
Type	Turbo intercooled	Turbo intercooled	Turbo intercooled
Power – kW @ r/min	96 @ 2 400	132 @ 2 250	173 @ 2 500
Torque – Nm @ r/min	416 @ 1 400 - 1 700	683 @ 1 500	800 @ 1 500
TRANSMISSION			
Make / Model	TATA GBS - 40	TATA GBS - 600	TATA GBS - 750
Type	Synchromesh	Synchromesh	Synchromesh
Shift	Manual	Manual	Manual
No. of Forward Gears	5	6	6
High / Low Ratios	7.51:1 / 1:1	6.58:1 / 0.77:1	6.58:1 / 0.77:1
MAJOR DIMENSIONS (mm)			
Overall Height	2 600	2 900	3 400
Overall Length	7 125	8 946	12 000
Overall Width	2 140	2 240	2 600
Wheelbase	3 800	4 200	6 200
MASS (kg)			
Manufacturer's Gross Vehicle Mass (GVM)	7 700	9 500	17 900
Manufacturer's Gross Combination Mass (GCM)	9 700	11 500	21 000
Permissible Maximum Drawing Vehicle Mass (DT)	9 700	11 500	21 000
Permissible Body + Payload	2 740	3 330	7 590
Tare (T)	4 960	6 170	10 310
Permissible Rear Axle Weight	4 800	5 700	10 200
Permissible Front Axle Weight	2 950	3 800	7 700
Manufacturer's Rear Axle Weight	4 800	5 700	10 200
Manufacturer's Front Axle Weight	2 950	3 800	9 000
CLUTCH			
Type	Single	Single	Single
Diameter (mm)	310	352	380
DRIVE AXLE			
Reduction Type	Single	Single	Single
Final Ratio	3.44:1	5.285:1	5.855:1
BRAKES			
Type	Full air dual	Full air dual	Full air dual
Front	Drums	Drums	Drums
Rear	Drums	Drums	Drums
Anti-Lock Braking System (ABS)	Yes	Yes	Yes
Retarder	No	No	Yes
FUEL			
Tank Capacity (l)	120	160	350
TYRES			
Size and Ply Rating	215/75 R17.5	8.25 R20 - 14PR	315/80 R22.5

