

TS45



TEMSA





JOURNEY TO EXCELLENCE

THE FUTURE OF TRANSPORTATION IS IN OUR HANDS

With more than 50 years of experience, we constantly seek to go above and beyond existing offerings and deliver an innovative understanding in the way we do transportation.

Today, at our 137-acre plant, we produce 4,000 buses and motor coaches and 6,000 light-duty trucks - a total of 10,000 vehicles per year - on a single-shift basis. In 66 countries around the globe, our products continue to stand out from the crowd as representatives of the transformation we initiated.

**WE DERIVE OUR
STRENGTH FROM
TECHNOLOGY**



THE SECRET OF EXCELLENT JOURNEYS: TS45

It is not difficult at all to offer first-class traveling experiences for your customers. Simply sit back and relax as the future of your business is in the safe hands of TS45.

With its flawless design, TS45 is ready to take on the task to transform all journeys into an experience of excellence thanks to its safe and comfortable passenger and driver areas.





YOUR NEW BUSINESS PARTNER

What do you expect from your business partner? Reliability, comfort, efficiency, endurance, high performance and more? Your new business partner, the TS45, comfortably meets all your expectations.

With a striking stainless steel chassis that's sure to turn heads, the TS45 was designed and produced with your standards and needs in mind. The TS45 offers you more than ever before thanks not only to its aesthetic

interior design, but also its high performance, lower fuel consumption, spacious luggage compartment and advanced safety systems.

The engineers who developed the TS45 had user-friendly maintenance in mind. Thanks to the ease of replacing parts, the TS45 offers savings in both time and money.



IMAGE MATTERS

The TS45 helps you create an impressive first impression in the eyes of your passengers. The TS45 attracts attention with its flawless details,

dynamic design, modern stance and monocoque body. The new TS45 offers a selection of colors to meet your expectations.





THE COCKPIT: THE POINT WHERE PERFECT JOURNEYS BEGIN

Why leave perfection to chance? The driver's cockpit area in the TS45 is designed with both the safety and comfort of the driver in mind during long and challenging journeys. Perfection is guaranteed thanks to its adjustable ergonomic driver's seat, lumbar support to minimize stress on the back, left and right armrests, an

easily adjustable electrical sun visor and a user-friendly dashboard.

The TS45 adds a touch of perfection to driving safety. Safety is always guaranteed thanks to advanced driving components and features such as low voltage warning, cruise control, rear parking sensor and tire

pressure display. The TS45's lighting systems such as LED Daytime Running Lights (DRL), Fog Lights, and LED Headlights will make sure that your way is illuminated under all conditions, and the vehicle is noticeable by all other drivers.

Driver's seat that can be adjusted according to the driving ergonomics

Electrical that can easily be adjusted with a single button

Digital dashboard

PERFECTION FROM WITHIN

Who can say no to an idea that ensures a more pleasant and comfortable journey for their passengers? The TS45 is always ready to meet all expectations and offer a comfortable journey thanks to

its features including a powerful air conditioning system, space-adjusted seats, foot/armrest options and wide windows. All you need to do is to choose the seat arrangement, leg room, flooring

patterns and colors to suit your business. You can comfortably leave the rest to the TS45, which offers flawless hospitality.



MAXIMUM EFFICIENCY, MAXIMUM PERFORMANCE

The TS45 will work harder for your business over a longer lifetime. Its Cummins ISX engine provides low fuel consumption and environmentally conscious performance.

The 11.9-liter engine offers 1650 lb-ft of torque @ 1100 rpm, generating 317 kW (425 hp) of power, creating a truly powerful driving experience.



THE TS45 PROVIDES YOU ADVANCED SAFETY SYSTEMS

The most comfortable journeys begin with a safe driving experience.

The TS45's Anti-Lock Braking System (ABS) allows the driver to hit the brakes suddenly yet without losing control. It prevents the brakes from locking and reduces stopping distance. This improves handling and creates a safer driving experience even when sudden emergency braking is needed.

Anti Slip Regulation (ASR) helps to prevent the wheels from losing traction. ASR system assists the driver

to prevent skidding and thus allow the vehicle to start moving even under difficult road conditions. It also enhances driving safety on slippery surfaces, and prevents excessive wear of the tires.

Electronic Stability System (ESP) helps to protect the vehicle from negative effects of difficult road conditions. It works with the engine's operating system, and provides a different level of traction with individual wheels. Doing so allows the adjustment of traction on individual wheels, combined with

different braking power for different wheels, to provide the optimal level of traction for all four wheels. These adjustments assist in preventing the vehicle from losing control in case of sudden steering maneuvers applied for sharp cornering.

The Lane Departure Warning System (LDWS) warns the driver with an audible and vibrating alert when the vehicle moves out of its lane. The warning system increases the level of safety by helping you stay in your lane.



THE TS45 FEATURES OPTIONS TO MEET YOUR NEEDS

The TS45 offers a 56+1 maximum seat configuration with restroom, which provides a spacious and comfortable journey. The lift preparation option

for easy boarding of passengers with reduced mobility also meets all your needs.



45 ft

Maximum Seating
Capacity

56

+1
+ Restroom



TECHNICAL SPECIFICATIONS

DIMENSIONS AND WEIGHTS	
Length (ft)	.45
Width (in)	102
Height (in)	138
Floor-To-Ceiling Height (in)	75.75
Wheelbase (in)	310.8
Front Overhang (in)	78.5
Rear Overhang (in)	112
Turning Diameter (ft)	40.2
Approach Angle	8,5°
Gross Vehicle Weight	51,500 lbs (23,360 kg)
Total Luggage Volume (ft³)	.460
ENGINE	
Model	Cummins ISX12 425 HP (EPA 2017)
Type	Diesel
Number of Cylinders and Layout	6 in Line
Bore/Stroke	130 mm/150 mm
Volume (displacement)	11,9 L
Maximum Power	425 HP (317 kW)
Maximum Torque	1,650 lb-ft @1,100 rpm
TRANSMISSION	
Model	Gen 5 Allison B500 (Retarder Option)
Type	Automatic
Number of Gears	6
AXLES	
Front Axle Type	ZF RL 75 E-independent
Front Axle Capacity	16,535 lbs
Rear Axle Type	ZF A 132
Rear Axle Capacity	27,120 lbs
Differential Ratio	3.54
RIMS & TIRES	
Rim	22,5X9 Alcoa Durabright
Tire	315/ 80 R 22.5
FUEL & DEF TANK	
Fuel Capacity	200 US Gal
DEF Tank Capacity	15 US Gal

ELECTRICAL SYSTEM	
System Voltage	24 V
Battery	2 x 12 V 225 Ah
STEERING WHEEL	
Hydraulic Steering	Standard
Steering Wheel Tilt and Telescopic	Standard
BRAKES	
Service Brake	Standard
Parking Brake	Standard
Engine Brake	Standard
ABS (Anti-Lock Braking System)	Standard
ASR (Anti-Slip Regulation)	Standard
Temporary Bus Stop	Optional
Retarder/Intarder Control By Pedal	Optional
INTERIOR	
Parcel Rack	Standard
Multiset	Standard
Curtain	Standard
Reclining Passenger Seats	Standard
3 Point Safety Belt for Passengers	Standard
Adjustable Foot Rest	Standard
Fixed Armrest	Standard
Seat Pocket (NET) for Passenger Seats	Standard
110V Supply (inv) Plug On Seat	Optional
Restroom	Standard
EXTERIOR AND BODY	
Body Lifting	Standard
Front Kneeling	Standard
Rim Cover	Standard
Opaque White Exterior Colour	Standard
Metallic Exterior Colour	Optional
Opaque Exterior Colour	Optional
DRIVER'S AREA	
Manual Controlled Driver Window	Standard
Electrical Sunvisor	Standard
3 Point Safety Belt for Driver Seat	Standard
Right Armrest for Driver Seat	Standard
Left Armrest for Driver Seat	Standard
Interior Mirror for Driver	Standard

SECURITY	
ESP (Electronic Stability Programme)	Standard
LDWS (Lane Departure Warning System)	Standard
Engine Room Fire Extinguisher System	Standard
Low Voltage Warning	Standard
Circuit Separator on Battery	Standard
Fire Extinguisher (1*6 kg)	Optional
Engine Room Lid Open Warning	Standard
Tire Pressure Display	Standard
Speed Limiter	Standard
WINDOWS AND CLIMATIZATION	
Air Conditioner	Standard
Driver's Defroster	Standard
AC Defroster	Standard
Convactor	Standard
Preheater	Optional
Timer For Preheater	Standard
Double Glazed Rear Windows	Standard
ELECTRONIC EQUIPMENTS	
Reverse Gear Buzzer	Standard
Rear View Camera	Optional
Windshield	Standard
Rear Parking Sensor	Standard
Rear View Camera	Optional
OTHER EQUIPMENTS	
Spare Tire	Standard
First Aid Kit	Standard
Day Running Light DRL (LED)	Standard
Fog Lights	Standard
LED Headlight	Standard
Electrical Horn	Standard
Air Horn	Standard
Handicapped Lift/Ramp Preparation	Optional



TOGETHER

TEMSA continues to partner
with you anytime and anywhere...

FOR THE ROAD AHEAD



READY TO ADDRESS YOUR SERVICE NEEDS

You won't have to waste time that should be dedicated to work, as your vehicle is designed to offer maximum performance to generate valuable income.

Make your appointment before visiting the service center and save even more valuable time.



ALWAYS BRAND NEW, WITH WARRANTY COVERAGE AND REGULAR MAINTENANCE

Let us take care of your vehicle with the help of our advanced technology and highly qualified service technicians while you enjoy the vehicle's performance and warranty coverage.



SHORTER DELIVERY TIMES FOR SPARE PARTS

Same-day shipping and strategic locations guarantee shorter delivery times. With our strategically located facilities and our guarantee that all orders placed before 3 PM Eastern ship on the same day, we are able to ensure the quick delivery of the parts that keep your business running.



QUALITY IS OUR PRIORITY

A commitment to OE quality ensures the best products for all your needs. Supplying OE parts and optional high-quality aftermarket products provides peace of mind for our operators.



TECHNICAL ASSISTANCE IS JUST A PHONE CALL AWAY

With TEMSA's Emergency 24/7 technical support
phone line, we are here for you anytime.

Our professional team is accessible 24/7 to deliver
quick and efficient solutions.

(833) 628-3672







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