

TS 45

Technical Specifications

Engine	
Model	Cummins ISX 12 425 HP (EPA 2017)
Number of cylinders / Piston displacement (in ³)	6 / 729
Maximum Output	425 HP / 1,800 rpm
Maximum Torque	1650 lb-ft/ 1,100 rpm
Transmission	
Model	Gen 5 Allison B500 (Retarder option)
Axle	
Front Axle	ZF RL 75 E - independent
Rear Axle	ZF A 132
Tag Axle	ZF RL 75 A (Steerable)
Ratio	3.54
Suspension	
Front	2 shock absorbers, 2 air bellows, Independent front suspension 4
Rear	shock absorbers, 4 air bellows
Tag	2 shock absorbers, 2 air bellows
Steering Electrical	
Model	ZF Power Steering
Brakes	
Service Brake	Front/Rear Disc Brakes, Full air
ABS	Standard
RSC	Standard
ESC	Standard
ASR (ATC)	Standard
Structure	
Type	Monocoque structure in stainless steel
Tires and Wheels	
Tire size	315 / 80 R 22.5
Fuel Tank	
Usable fuel tank capacity (US gal)	200
DEF tank capacity (US gal)	15
Dimensions and Weights	
Overall length (ft)	45
Overall width (in)	102
Overall height (incl. air conditioner)	11'6"
Wheelbase (in)	310.8
Overhang front / rear (in)	78.5 / 112
Aisle height (in)	75.78
Turning radius (ft)	40.2
Luggage compartment (ft ³)	460
GVWR	51,500 lbs (23,360 kg)
Max. seating arrangement	56+1 with restroom
Electrical System	
System voltage / Battery	2x12V, 225Ah
Alternator	2x140 A Presto Lite (Leece Neville)
Heating and Air Conditioning System	
Driver area	A/C defroster cooling & heating/ windshield defrosting
Passenger compartment / air conditioner	Full automatic HVAC system/ 6 cylinder Bitzer A/C compressor, brushless evaporator and condenser
Preheater	Spheros Thermo E320-32kW Option