

TS42-200 42T Prime Mover



Internal layout



TS42-200 specifications

Basic Parameters	Model	TS42-200
	Fuel	Hydrogen
	LHD or RHD	RHD
	Passenger Capacity	1 Driver / 1 Passenger
	Dimension (L*W*H, mm)	8450 × 2500 × 3950
	GCM (kg)	42,000
	Tare (kg)	12,450 (6,065FA / 6,385RA)
	Approach/Departure angle (degrees)	13/30
	Min. Turning Diameter (m)	≤21.5
	Max. Grade (% , 1 min)	25%
	Continuous Max. Grade (%)	15%
	Top Speed (km/h)	100
Range	≥600km	

TS42-200 specifications continued

	Description	Standard	Component Brand	
Power System	Traction Battery	58 kWh	✓ CATL	
	Hydrogen Fuel Cell	Ballard 200kW	✓ Ballard	
	Drive Motor	TM4	✓ Dana	
	Controller	TM4	✓ Dana	
	Hydrogen Tanks	700BAR - 4x360L	✓	
	Air Compressor	Electronic air compressor	✓	Piston Type
	Steering Pump	Electric steering pump	✓	
Chassis	Suspension	Air suspension	✓ Hendrickson	
	ECAS	WABCO	✓ WABCO	
	Front Axle (1)	Disc brake – Steer axle	✓ Hendrickson	
	Rear Axle (2)	Disc brake – Drive axle	✓ Spicer	
	Rear Axle (3)	Disc brake – Drive axle	✓ Spicer	
	Tire	295/80R22.5	✓ Michelin	
	Rim	22.5x8.25	✓ Aluminum	
	Steering System	Hydraulic power steering	✓ ZF / Bosch	
	Braking system	WABCO ABS braking system	✓ WABCO	
Safety and Electrics	ADAS	Lane departure warning system	Optional	
	Dashboard	ACTIA	✓ ACTIA	
	Camera System	Reversing cameras and buzzer	✓	
	Exterior Lamps	LED	✓	
	LV Battery	24V maintenance free	✓	
	A/C	Cooling and heating A/C	✓	
	Floor heater	Driver's area heating		N/A
	Fire Extinguisher	HV compartment	✓	
	Demister	PTC heater	✓	
	Body	Body Structure	Monocoque structure, European stainless steel	✓
Body Style		Prime Mover – New Energy style	✓	
Wheelchair Ramp				N/A
Side Window		Electric	✓	
Floor Mats			✓	
Floor		Vinyl	✓	
Destination Sign				N/A
Rear-view Mirror		Camera mirrors	Optional	
Front Service Door				N/A
Middle Service Door				N/A
Driver Seat		Air ride driver's seat with seatbelt	✓	
Passenger Seat		Standard fixed seat	✓	
USB ports		In dash	Optional	

