



OGHAB AFSHAN AUTOMOTIVE COMPANY

8.5-Meter Automatic Minibus Parsian



Engine Specifications

- Engine Model: WP4.6NQ220E50
- Manufacturer: WEICHA
- Engine Type: 4-cylinder in-line diesel engine
- Maximum Power: 220 hp
- Maximum Torque: 800 Nm
- Engine Displacement: 4.58 liters
- Emission Standard: Euro 5 + EEV
- Governed Speed: 85 km/h
- Cooling System: Electric fan with Smart Engine Temperature Control (ATS)

Gearbox Specifications

- Transmission System: VOITH automatic gearbox model 854.6S equipped with retarder

Vehicle Dimensions and Capacity

- Overall Length: 8,570 mm
- Overall Width: 2,550 mm
- Overall Height: 3,280 mm
- Front Axle Weight Limit: 5 tons
- Rear Axle Weight Limit: 9 tons
- Curb Weight: 9,300 kg
- Passenger Capacity (without wheelchair): 21+1 seated (24 standing)
- Passenger Capacity (with wheelchair): 21+1 seated (16 standing)
- Wheelbase: 3,820 mm
- Front Overhang: 1,987 mm
- Rear Overhang: 2,749 mm
- Approach and Departure Angles: 4°-7.6°
- Fuel Tank: Stainless steel, 150 liters

Safety and Brake System Specifications

- Disc brakes (Brand: Knorr)
- ABS (Anti-lock Braking System), ASR (Anti-slip Regulation), and EBS (Electronic Braking System)

Suspension System and Wheel Specifications

- Air suspension
- Kneeling function for easier passenger boarding
- Rim Size: 19.5 × 7.5 steel
- Tire Size: 265/70R19.5

Electrical System Specifications

- Two 170 Ah 12-Volt batteries
- Two 150-amp 24-Volt alternators

- CAN bus system
- Water- and heat-resistant insulation for electrical components and cable harnesses
- Equipped with a keyless start system
- FMS (Fleet Management System) with online and remote vehicle diagnostics
- AVL (Automatic Vehicle Location) and AFC (Automatic Fare Collection) systems
- Engine compartment automatic fire detection and suppression system
- Battery compartment fire alarm system
- Vehicle lighting system compliant with European standard R48
- Blue and white LED interior lighting
- Exterior lighting with automatic lighting (AL) and daytime running lights (DRL)
- Front and rear fog lights

Climate Control System

- High-performance HVAC system with 28–35 kW cooling capacity and 5,400 m³/h airflow
- Separate air conditioning and heating unit for driver
- Two passenger compartment heaters with adequate heating capacity

Steering System

- Hydraulic power steering BOSCH 8098, mechanically adjustable

Vehicle Body and Cabin

- Robust, standards-compliant structure
- CO₂ shielded welding compliant with ISO 3834 standards
- Fully coated structure with zinc chromate primer and underbody insulation for corrosion protection
- Low-entry design for easy passenger boarding and alighting
- Robust rear chassis and engine underguard for enhanced safety
- Body panels constructed from galvanized automotive-grade steel
- Standards-compliant thermal and acoustic insulation for floor, walls, and ceiling
- Oven-baked paint resistant to extreme temperatures, with customizable colors
- Rear double-leaf aluminum pneumatic inward-opening door
- Front single-leaf aluminum pneumatic inward-opening door
- Pneumatic door safety system with anti-pinch protection
- Automatic door closing upon vehicle movement
- Opposed-motion windshield wipers
- 6-liter windshield washer fluid reservoir

Interior Trim and Equipment

- Wheelchair ramp
- Seats for People with Reduced Mobility (PRM)
- Waterproof and fire-retardant floorboard
- Silica-reinforced anti-wear flooring with proper sealing at joints
- Stainless steel interior handrails with hanging straps
- Sufficient number of emergency hammers inside the passenger compartment
- Two emergency roof hatches (one at the front and one at the rear)
- Color monitor on dashboard with five inputs
- One camera above the rear pneumatic door
- Two interior cameras for driver monitoring of the passenger area
- Reverse camera
- USB charger for driver use
- USB chargers for passenger use
- Mechanical sun visor for the windshield
- Passenger stop request buttons
- Elegant and ergonomic driver cabin made of ABS material
- Two electrically operated and heated side mirrors
- One-piece laminated windshield and rear window
- Double-glazed side windows – upper 1/3 sliding, lower 2/3 fixed
- Pneumatically suspended, fully adjustable driver seat with 3-point seatbelt, compliant with European standards, upholstered in leatherette or velvet
- Durable and comfortable passenger seats made of fire-retardant polyamide with washable velvet or leatherette upholstery

Audio-Visual System

- LCD monitor
- MP5 multimedia system with FM radio, audio/video playback, and monitor output
- Internal and external digital displays

Standard Equipment Supplied with Vehicle

- 6 kg fire extinguisher
- 10-ton hydraulic jack
- Tool kit
- First-aid kit
- Warning triangle
- Wheel chock
- Spare tire
- Work lamp
- Air hose
- Owner's manual