



MetroDecker

SPECIFICATION SHEET

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▼ IN-DIRECT LIGHTING

- LED Lighting throughout
- Reduces glare and evokes a sense of space
- LED dipped headlights



◀ ACCESSIBILITY

- Direct access to extra large wheel chair area of 2030mm to allow multiple buggy occupancy

▼ ULTRA LIGHTWEIGHT

- Only 9980kg ULW
- Reduced fuel consumption
- Integral stainless structure – no galvanic corrosion

▲ ERGONOMIC DRIVER CABIN

- All controls within lines of sight and easy access
- Complies fully with ISO 16121 ergonomic requirements



ENGINE:

- **Type:** Mercedes-Benz OM934LA, Euro 6, four cylinder, dual stage turbo
- **Power:** 170kW @ 2200rpm
- **Max Torque:** 900Nm @ 1200rpm
- **Capacity:** 5.1 litres

TRANSMISSION:

- **Type:** ZF Ecolife 6AP 1000B 6 speed fully automatic with integral hydrodynamic retarder and angle drive output
- **Control:** Full CAN interface with engine and vehicle systems, 3 button driver interface
- **Shift Schedule:** Adaptive shift control using TopoDyn topographic and dynamic shift program

DRIVE SYSTEM COOLING:

- **Cooling Pack:** Off side mounted, side-by-side cooling pack consisting of aluminium construction radiator, charge air cooler and fan system hydraulic oil cooler. Large diameter hydraulically driven variable speed fan
- **Header Tank:** Stainless steel header tank with offside fill point and coolant level sensor
- **Coolant Pipe:** Stainless steel pipes and silicon hoses
- **CAC Pipes:** Aluminised steel pipes and fluorine silicon hoses

AXLES & SUSPENSION:

- **Front:** ZF RL75EC, fully independent 2 bag air suspension, 2 Koni "99" dampers, Knorr-Bremse SN7 disc brakes, 53/42 degree lock angles
- **Rear:** ZF AV132 portal axle, 6.2:1 ratio. 4 bag air suspension on parallel linkage, 4 Koni "99" dampers, wide track suspension beams, anti-roll bar and Knorr-Bremse SB7000 disc brakes
- **Performance:** Geared maximum speed 99kmh, stall grade 30%

STEERING:

- **Steering Column:** Tilt and reach adjustable column with pneumatic lock and single multi function switch stalk
- **Steering Box:** ZF 8098 steering gear with integral power assistance

WHEELS & TYRES:

- **Wheels:** 22.5 x 8.25 x 153mm offset
- **Tyres:** 275/70R x 22.5 tubeless

BRAKE SYSTEM:

- **Service:** Knorr-Bremse dual circuit SN/SB 7 air disc brakes with non-asbestos linings and Anti-lock Braking System
- **Parking Brake:** Air released, spring actuated parking brake on rear wheels
- **Air Dryer:** Knorr Bremse ZB44 APU with integrated MCPV and pressure transducers
- **Air Compressor:** Wabco 393cc, continuous duty, single cylinder

FUEL SYSTEM:

- **Fuel Tank:** 275 litre, stainless steel, front mounted tank with anti-spill neck and multifunction sender unit
- **AdBlue Tank:** 25 litre, stainless steel, front mounted tank with multifunction sender unit

VEHICLE ELECTRICAL SYSTEM:

- **Type:** New generation Actia Actimux centralised, fully multiplexed electrical system for quick, easy fault finding through diagnostics facility
- **Voltage:** 24 volt.
- **Start Batteries:** 2 x 12 volt 95Ah, 830CCA wet, maintenance free
- **Vehicle Batteries:** 2 x 12 volt 55Ah, 765CCA AGM, deep cycle, maintenance free

STRUCTURE:

- All welded heavy-duty box section integral construction using semi-stainless steel.
- Anti-rust protection system applied to exposed structural components and underseal treatment using the Dinol process

EXTERIOR:

- Single piece front and rear GRP domes to maximise integrity and strength
- Three part bumpers with easily replaceable corner sections
- LED front, side and rear lights
- Lower side panels locked into waist-rail section and retained by screw fasteners for ease of replacement
- Upper side panels in foam cored GRP for improved rigidity and thermal insulation
- One piece gasket glazed windscreen with bonded quarter windows
- Driver's signalling window with dual sliding signalling window
- Electrically powered horizontal parking windscreen wipers with 2 speeds, plus intermittent.

INTERIOR:

- Fully adjustable driver's seat
- Heavy duty, sealed, slip-resistant floor covering system and flush fitting step nosing's with yellow inserts, colour contrasting with floor covering
- Wheelchair bay with backrest incorporated into stair partition and gangway stanchion
- LED lighting throughout driver's area, lower saloon and upper saloon
- With full-length bonded glazing, electro-pneumatic operated with exterior and interior safety controls
- Modular interior saloon lighting running continuously from front to rear on both sides for even light distribution. Each side separately switched providing dual level facility.
- Vacuum formed ABS profiles at windows and cove panels with smooth centre roof panels

EQUIPMENT:

- Palm operated, contrasting, wireless bell pushes together with "stopping" sign
- Flush fitting, glider entrance door with full-length bonded glazing, electro-pneumatic operated with exterior and interior safety controls
- Flush fitting, plug slider exit door with full-length bonded glazing, electro-pneumatic operated with exterior and interior safety controls and powered ramp for wheel chair access
- Moulded driver's compartment for durability and ease of cleaning
- Full access front header for unhindered destination cleaning, maintenance and removal
- Reversing horn with night-time override facility.

HEATING & VENTILATION:

- Eberspacher fully automatic integrated heating and air conditioning system with thermostatically controlled blown, warm air heating, venting and chilling (upper saloon) system
- Driver controlled cab air conditioning to screen, face and foot well vents
- Hopper windows for passenger area ventilation on lower and upper saloons

INSTRUMENT PANEL:

- **Instrument Cluster:** EcoDrive low maintenance, easy clean drivers instrumentation with TFT screen providing direct feedback on driver behaviour and vehicle systems status. Audible warnings for low air pressure and emergency door open
- **Gauges:** Speedometer, economy dial, front and rear air system pressure, fuel level, AdBlue level, engine coolant level, engine oil level and transmission oil level
- **Switches:** Easy clean, soft touch, tactile switch membrane for vehicle systems control

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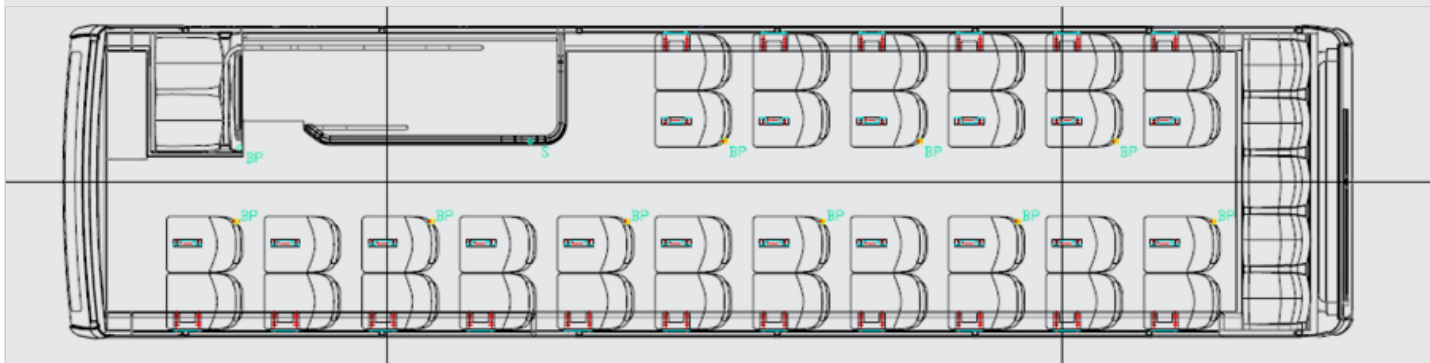
SPECIFICATION SHEET

MODEL REFERENCE	10.5 2D
Seating/Standing	63/36*
Overall length - nominal (mm)	10500
Overall width (mm)	2500
Overall height (mm)	4310
Wheelbase (mm)	5350
Front overhang (mm)	2760
Entrance step height - normal/knelt (mm)	315 / 245
Turning radius - between kerbs (mm)	8257
Turning radius - between walls (mm)	10071
Gross vehicle weight - design (kg)	18000
Front axle weight - design - (kg)	7250
Rear axle weight - design (kg)	11500

▼ MAXIMUM SEATED OF 63 & 36 STANDEES TO TFL SPECIFICATION

- 41 seated on upper deck
- 22 seated on lower deck

▼ UPPER DECK



▼ LOWER DECK

