

Generic Technical Specification – Motorbike Ambulance

Item	Specification
Primary Vehicle	L2 Category Vehicle
• Min Engine Power	≥ 11 kW or 250 cc
• Ignition	Manual/ Automatic
• Emission Standard	Bharat Stage VI
Ambulance Accessory Unit	Fabricated as Side Car to Primary Vehicle
• Design	Dual Chamber-Two Side Access
• Chassis (Strong & Sturdy)	Integrated Aluminum Alloy & Steel
• Body Shape (Front)	Aerodynamic
• Body Shape (Rear)	Flat
• Front & Backward Access	Windshield Tinted Glass
• Min Distance between Front & Backward Access	100 mm
• Min Height of Patient's Chamber	700 ± 50 mm
• Min Ground Clearance	165 mm (S-Class: 170 mm)
• Tyre	Complimentary Size to Primary Vehicle
○ Wheel Base (mm)	457 mm
○ Type	Tubeless Alloy Wheel
• Independent Battery Back with integrated charger (Min)	04 hrs, located in secured isolated chamber (middle side)[S-Class: upto 6 hrs for basic operations]
○ Voltage/ Amp	12/24V (10 Amp)
○ Energy Consumption	250 W
• Patient Carrying Capacity (in supine or semi-supine position)	01
• Ventilation & Air Circulation (Min Blower Fan)	01
• Number of seats in addition to patient during transit	02 seats (driver and pillion rider aka preferably paramedic)
• Medical Grade Stretcher	Auto-loadable with/ without transformation to Wheel Chair (AIS-125 Part 1 Compliant)
• Infusion Mounting	Fitted on Stretcher (Detachable)
• Patient Immobilization	Head & Body Immobilizer
• Patient's Safety- Head & Body Protection	Head Protection & Vibration damping hydrophobic viscoelastic gel system
○ Min Tensile Strength	10 Kg/cm ³
○ Min Tear Resistance Strength	1-4kN/m
○ Compression Set(%) at 50% Defection	< 4%
○ Temperature Range	Don't crack at -40°C or melt at +50°C
○ Certification	REACH & CE Certified
• Infection Control in Patient's Chamber	
○ Multi-layered Air Sanitization Assembly	DRDO's Vayuswachh+ technology enabled
○ Surface Coating Microbial Resistance (minimum)	Minimum 90 days continuous protection against microbial build up [S-Class: 365 days protection]
• Min Portable Oxygen Support (with value, assembly unit & accessories) & location	2.2 L (front access- medical device chamber)
• Multi-Channel Parameter (Min)	5-Channels inclusive of Non-Invasive Blood Pressure, Pulse, SpO2, ECG, RISP.
○ Screen Size (Min)	14"
○ Audio-Vedio Exchange	Enabled
○ Telemedicine Enabled	Yes
○ Bluetooth enroute monitoring (Third eye Technology)	Yes, via separate screen through tablet in front of pillion rider or paramedic
• Intra-communication system between patient & pillion rider aka paramedic	Two-way communication with emergency buzzer for patient's response
• Fire Extinguisher (Min)	2 Kg Capacity
• Vehicle Tracking System	GPS enabled Navigation
• Min Illumination inside Patient's Chamber	50 lux
• Visibility, Lightning & Emergency Systems	

o	Front Head Lights	02
o	Rear Lights	02
o	Side Mirror	01
o	Beacon Light	01
o	Emergency Siren	01 (voice in forward moving direction)
o	PA System	Accessible to driver on outer wall towards driver side
o	Left Indicator	Accessible to driver on outer wall towards driver side
o	LED Lightning & Reflectors with Minimum Flashers	All three sides: Front, Rear and Far Side with 08 minimum flashers.
o	Conspicuity Marking (adapted as per available space)	Front & Rear White Color having Ambulance word in mirror & straight format along with contact details (in rear)
•	Medical Devices (Min) & Consumables	As per standard requirement(s)
o	Rescue & Emergency Tool Kit	01
o	First Aid Kit (inclusive of antiseptic, pain relief, minor injury management & other accessories)	01
o	Airway Emergency Care Kit (inclusive of resuscitator, mouth-to-mouth ventilator, airway management kit & other devices)	01
o	Electrical Portable Aspirator	01
o	Bleed Management Kit (inclusive of wound care, combat tourniquet, arterial & venous injury management)	01
o	Automated Defibrillator Equipment (Circulation Management)	01
o	Fracture Management Kit (inclusive of malleable splint, adhesive compression & other essential)	01
o	Burn & Corrosive Injury Management Kit (inclusive of burn dressing, local anaesthetics, ice packs etc)	01
o	Eye Care Kit (inclusive of eye immobilization bandage/ shield with saline solution etc)	01
o	Waste Management Accessories Kit (inclusive of sharp container, biomedical waste care kit)	01
o	Miscellaneous component kit (stationary & other accessories for ease of functioning)	01
Optional Accessories (as per requirements of buyer based on site of deployment)		Smart Phone to attain GPS & Internet Access (sim card to be provisioned by buyer); Emergency Delivery Kit; Stationary Oxygen – 10 LPM oxygen concentrator; ASTM 1671 compliant Multi-use Personal Protective Equipment; Soft Stretcher Assembly for safe patient transfer.

Kindly contact the office or Whatsapp at +91-9810717192 for detailed specifications, according to your needs. You can also email us at operations@motolance.co.in