

IMVUBU

50 000l Aluminium Fuel Tanker

Length:	13 900mm
Width:	2 575mm
Height:	3 600mm
Coupling Height:	1 320mm
Ride Height:	400mm
Wheelbase:	10 000mm
Tare Weight:	6 450kg – 6 950kg

TANK DESIGN

Design Capacity:	50 000l
Compartments:	Seven
Shape:	Elliptical forward, cone and rear section.
Approval:	ADR (latest) & SANS 1518 (latest).

TANK CONSTRUCTION

Tank Shell:	Aluminium 5182H111 / XTral 728 5mm thickness.
Tank Dishes:	Aluminium 5182H111 / XTral 728 5.2mm thickness.
Construction:	Banded construction with aluminium T section stiffeners.
Chassis:	Fabricated aluminium assembly.
Landing Legs:	Jost D200A with swivel round feet with a single 2-speed gearbox with crank handle operating both supports simultaneously.
Rubbing plate:	Mild steel 50B 12mm with Jost 50mm flanged kingpin.
Overturn Protection:	Extruded valance welded to tank top from kingpin to rear with transverse members. Water drains through four 40mm front and rear internal aluminium tubes.
Side Protection:	Extruded dual under-run aluminium profiles along unprotected sections on both sides with curved front corners.
Rear Bumper:	Aluminium extruded section bolted to removable aluminium supports.

RUNNING GEAR

Suspension:	BPW air suspension 400mm ride height, 1300mm spring centre and 300mm air bags. Bolt-on hangers for ease of maintenance.
Axles:	BPW HSALM EcoPlus 9 tonne 120mm square beam axles, 2140mm track width.
Brakes:	Drum brakes 420 x 180mm with automatic slack adjusters. Option: Disc brakes 430mm.
Lifting axle:	Option: Front axle only.
Steering axle:	Option: Rear self-steering with stabiliser.



Tyres:	385/65 R22.5 – seven off.
Rims:	Aluminium 11.75 x 22.5 fully reversible – seven off.
Hubodometer:	BPW electronic fitted near side centre axle.

BRAKE SYSTEM

EBS System:	Wabco 4S/2M EBS multivoltage system to ECE R13 with RSS. Option: Wabco EBS Premium with ECAS system and Smartboard.
Air tanks:	Mild steel with manual drain valves.
Couplings:	F&J quick couplers fitted to centre front dish. Coiled hoses not supplied. Seven pin ISO 7638 female plug for EBS power.

ELECTRICAL SYSTEM

Wiring Harness:	ADR approved system.
Lights:	LED type rear cluster combination lights – tail/brake/indicator/reverse. Option: LED type individually mounted two per side – tail/brake/indicator with separate reverse light.
Fog Light:	LED type mounted to rear.
High Level Lights:	LED type one per side mounted to valance – tail/brake/indicator.
Marker Lights:	To the side and front, rear rubber stork lights fitted to tail board.
Reverse Alarm:	87db reverse alarm.
Coupling:	Fifteen pin ISO 12098 female plug. Coiled electrical cable not supplied.

Imvubu Loading Capacities (Based on truck tare weight = 9 500kg)

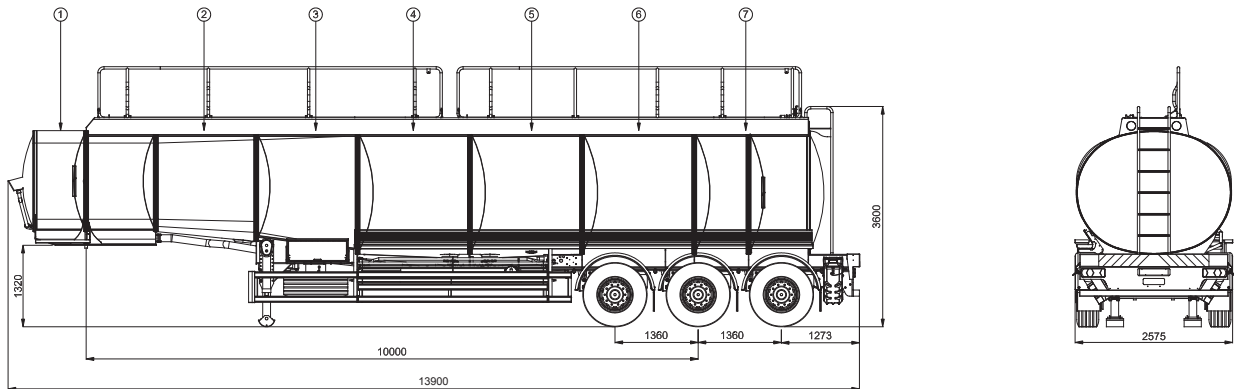
Petrol at 0,735 SG

Diesel at 0,835 SG

Compartment	Gross	Bridging		Metered		SPD	
		Petrol	Diesel	Petrol	Diesel	Petrol	Diesel
1	6500	6000	5300	6000	5300	6000	5300
2	6500	6000	5300	6000	5300	6000	5300
3	6500	6000	5300	6000	5300	6000	5300
4	7490	7000	6100	6800	6000	7000	6100
5	7490	7000	6100	6800	6000	7000	6100
6	7490	7000	6100	6800	6000	7000	6100
7	7585	7000	6100	6800	6000	7000	6100
Total	49555	46000	40300	45200	39900	46000	40300



ENGINEERING & SERVICE EXCELLENCE



TANK FITTINGS

Manlids:	500mm diameter bolt down with 250mm hinged lids with 25 kPa emergency venting.
Breathers:	100mb pressure/ 20mb vacuum vents fitted to each manlid.
Overfill Sensors:	Pneumatic overfill sensors with 3-J slot/6 pin API socket with ground bolt, GPI 100 interface and pressure switch. Option: Electronic 5 wire sensors with 4-J slot/10 pin EN13922 gantry interface socket.
Vents:	Sequential vents fitted to each manlid.

Valve Operation: Aluminium control box with 7 compartment pneumatic control valves. Air service unit with isolating valve, lubricator, regulator and pressure gauge. Emergency cut-off switch located at rear off side.

BOTTOM LOADING EQUIPMENT

Tank Outlets:	Seven individual outlet flanges at bottom of each compartment with 3 degree drainage trough.
Bt. Discharge Valves:	Seven 100mm pneumatic pressure balanced foot valves.
Tank Discharge Lines:	Individual 114mm aluminium pipes at 3 degree slant into extruded manifold.
Bt. loading options:	Bridging Bridging with single meter. SPD SPD with manifold valves and single meter.
Line valves:	As required for flow control on metered tankers. Alt. on bridging tankers: One valve per discharge line to isolate compartments during loading.
Jet Sampling points:	Optional 1/2" drain points at bottom of each discharge line.
Load Couplings:	API 100mm coupling with sight glass – depends on bottom loading option.
Meter Options:	FMC T-40-J with electronic pulsar. FMC 805 multi product meter with product return. Alma turbine meter.
Vapour Recovery:	Closed system through valance and internal down pipe. Coupling is positioned in API area next to load couplings. Coaming vent fitted inside of valance is normally open. Interlock switch on coupling will close vent when vapour recovery is connected.
Drip Tray:	Aluminium tray with single or dual guard bar protecting load couplings. Guard bar activates brakes when opened.

EQUIPMENT

Mudguards:	BPW plastic single wheel type with spray suppression mud flaps fitted to each mudguard.
Spare Wheel Carrier:	Dual wheel winch type mounted behind landing legs.
Fire Extinguishers:	Plastic moulded holders with 9kg extinguisher per side.
Spill Kit Holder:	Plastic moulded holder located off side. Spill kit not supplied.
Toolbox:	Lockable plastic moulded box 580 x 400 x 450 mm located off side.
Wheel Chocks:	Plastic moulded chocks with retaining cables.
Road Cones:	Four plastic cones secured in holder located off side.
Ladder:	Rear access ladder 450mm wide. Option: No ladder.
Handrail:	Two piece one side hinged hand rail opening to the off side. Hand rail acts as manhole locking device.
Earthing Equipment:	Reeled 15m coated stainless steel cable with clamp fitted near side. Brass bonding lugs fitted near side and off side.
Walkway:	Black safety anti-slip strips bonded to tank top.

PAINT & FINISH

Interior Finish:	Etched only.
Exterior Finish:	Etched only. Option: Painted to customer specification.
Decals:	Mandatory safety decals applied. Option: Customer livery to specification.

WARRANTY

Warranty:	Twelve month warranty period subject to the standard conditions of sale and repair. Option: Five year extended warranty.
Maintenance Contract:	Optional with extended warranty. Contact sales for further details.



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