



Data Sheet for Hino 500 Series
GH8JM7A-PG3 (4x2)
Hino Water Tanker 10,000 ltr.

SARLAR
MACHINERY

Chassis Model : Hino 51927	
Chassis Code : GH8JM7A-PG3	
Country of Manufacturer : Japan For Chassis & UAE for Water Tanker	
Dimensions	mm
Overall Length (OL)	8,835.
Overall Width (OW)	2,490.
Overall Height (OH)	2,775.
Wheel base (WB)	5,080.
Weights	Kg
Vehicle mass	5,290.
Loading capacity (Payload)	13,710 .
Rating Gross Vehicle Mass (GVMR)	19,000.
Engine	
Model & Emission Type	HINO J08E-WH- EURO3.
Combustion system	Diesel ,Turbocharged and intercooled , 4cycle , in-line 6 Cylinder, overhead camshaft, water cooled . Suitable for weather and dusty area in Iraq.
Displacement (L)	Direct injection type.
Compression ratio	7.684 L
Maximum Power /Speed	18.0 : 1
Maximum Torque /Speed	195 kW (265PS) @2,500 rpm (JIS Gross) 191 kW (260PS) @2,500 rpm (ISO Net)
Fuel System(Fuel injection pump)	804 Nm (82kgfm) @1,500 rpm (JIS Gross) 794 Nm (81kgfm) @1,500 rpm (ISO Net)
Clutch	Electronic control, common rail type.
Type	
Gear Box	CSP-380, dry single plate with damper springs.
Model	MX06, manual 6-speeds, synchromesh 2nd-6th, overdrive.

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Axles	
Front Axle	
Type	Reversed Elliot, " I " section beam.
Rating Capacity (kg)	7,500.
Rear Axle	
Type	Full-floating, single reduction, single speed by hypoid gearings.
Rating Capacity (kg)	11,500.
Steering	
Type	LHD, Telescopic and tilt steering column , reticulating ball integral power steering.
Tire & Wheel	
Front	Front: 315/80R22.5.
Rear	Rear: 295/80R22.5.
No. of Tires	7 (including 1 spare tire).
Wheels	Front: 22.5 x 9.00. Rear: 22.5 x 8.25. ISO 10 stud wheel.
Suspension	
Front	Semi-elliptic leaf springs (reinforced type) with single action shock absorbers.
Rear	Semi-elliptic main leaf springs and auxiliary springs.
Braking System	
Service Brake	Full air, S-cam, leading and trailing shoes, Dual circuit , ABS Equipped.
Parking Brake	Air operated spring brake acting on rear axle, for emergency and parking purpose.
Exhaust Brake	Equipped .
Electrical	
No. of Batteries	2 x 12 V ,65 Ah .
Alternator	24 V ,60Ah.
Horn	Electric Horn.

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Fuel tank	
Capacity	200 L .
Fuel filter	Equipped with pre-filter and sedimenter.
CABIN	
Type	Forward control, all steel welded construction with torsion bar tilt mechanism ,Semi floating (rubber mounting).
Seating capacity	Three.
Driver seat	High-back 750mm, 8-way adjustable seat .
Seat cover	Vinyl Cover.
Seatbelt	Equipped with ELR (Emergency Locking Retractor) and warning.
Sun visor	Driver side.
Windshield wiper	2-speed with wash and intermittent.
Outside rear view mirror	Equipped.
Air condition	Equipped .
Car Audio	AM/FM radio with CD player
Cigar lighter	Equipped.
Door Lock	Equipped .
Power Window	Equipped.
Instrument	
Speedometer	Equipped (Km/h).
Tachometer and over run warning	Equipped with buzzer.
Fuel gauge	Equipped.
Coolant level warning	Equipped.
Air pressure gauge	Equipped.


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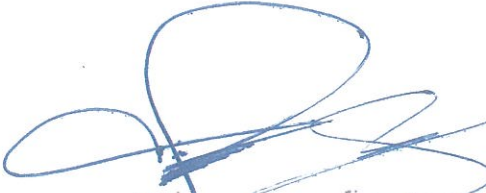


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TECHNICAL SPECIFICATION SHEET :
10,000 LITERS NON DRINKING WATER TANK


1. BODY CONSTRUCTION DETAILS:	
Volume	: 10,000LITERS
Shape	: Elliptical Shape Profile
Body Construction	: All welded steel construction to specification ASTM Gr.A36/S275JR or Equivalent.
Compartments	: Single Compartment
End Dishes/Shell Plate	: 4mm MS plate Dipped & flanging, forming Elliptical Dished end sand 4mm.MS Plate Rolled Shell welded Fabrication Standard.
Sub frame	: Heavy Duty Channel with UPN/JIS Grade 150x75x6mm to be fit on free supplied chassis with proper bracing and cross members on heavy duty capacity.
Pad Plate/ Saddles and Support	: 5mm. / 6mm MS plate welded to make the geometry.
Baffles	: 4mm.Baffles will be provided with efficient design that allows water flow ,allows maintenance of the inner layer of the shell, and minimizes the water surge.
Access Ladder & Walkway	: A mild steel ladder is located at the rear side/Tank Internal of the tank. A walk away GI Grating is provided at the tank top


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Welding	:	Tank External- (SMAW) Shield Metal Arc Welding using Flux covered Electrode E7016 & E7018 Qualified AWS Welders as per ASME Section IX. Plate thickness 1.5mm. –12mm. Process in 3G Position Certified by VELOSI. Tank Internal- Baffle to Shell MIG Welding using ACM (Argon-CO2 Mixture) gas for better bead appearance & penetration / strength. Welding. GMAW Process in 3G Position.
2. MECHANICAL SYSTEMS:		
Tank Fittings	:	The fittings consist of : 1. One (1) 20" GI Filling manhole with 10" filling hatch. 2. Fiber Glass Level Indicator shall be provided.
Loading	:	Through the manhole from top only.
Method of Discharge	:	Two Types: 1) Gravity discharge , through a 3" pipeline with quick coupling. 2) Discharge by Petrol driven water pump.
Pump	:	3"x3" Petrol Engine Driven Water Pump will be provided with approximate flow of 1,100lpm. ("HONDA") External.
Hoses	:	2Nos. 3" Diameter Green hoses, each of 3m length with coupling.
Catwalk	:	G.I Grating Will be provided on the manhole area.
3. ELECTRICAL SYSTEMS:		
Lights	:	Original Rear Lights and rear signal lights will be used.
Wiring	:	Original chassis wiring will not be altered only supply wiring will be added for the mechanical and electrical accessories.
Supply	:	Original Chassis Battery supply will be utilized.

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4. ACCESSORIES:	
Body Accessories	: 1.) MS Steel Mud Guard on rear axles. 2.) Rear Bumper with reflective stripes. 3.) Side Marker Lights five(5)per side. 4.) Side Bumper. 5.) One(1) No. Revolving Beacon at Top of rear Tank. 6.) Hose Stow age at Both Sides with PVC Pipe. 7.) Access Ladder Tank Internal/External.
5. PAINTING:	
Internal/ External	: Non-Potable liner Epoxy based up to120 microns DFT. One (1) Coat /s of epoxy primer and Two (2) coat/s of Polyurethane Paint Finish paint DFT 250 micron (Color of customers choice)

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