




Data Sheet for Hino 500 Series
FM8JR7A-SG3.(6x4)
Hino Water Tanker 16,000 Ltr



Chassis Model : Hino 52827	
Chassis Code : FM8JR7A-SG3	
Country of Manufacturer : Japan For Chassis & UAE For Water Tanker.	
Dimensions	mm
Overall Length (OL)	9,485
Overall Width (OW)	2,490
Overall Height (OH)	2,785
Wheel base (WB)	4,630+1350
Weights	Kg
Vehicle mass	7,175
Loading capacity (Payload)	20,825
Rating Gross Vehicle Mass (GVMR)	28,000
Engine	
Model & Emission	HINO J08E-WH- EURO3
Type	Diesel ,Turbocharged and intercooled , 4cycle , in-line 6 Cylinder, overhead camshaft, water cooled . Suitable for weather and dusty area in Iraq.
Combustion system	Direct injection type
Displacement (L)	7.684 L
Compression ratio	18.0 : 1
Maximum Power /Speed	195 kW (265PS) @2,500 rpm (JIS Gross) 191 kW (260PS) @2,500 rpm (ISO Net)
Maximum Torque /Speed	804 Nm (82kgfm) @1,500 rpm (JIS Gross) 794 Nm (81kgfm) @1,500 rpm (ISO Net)
Fuel System(Fuel injection pump)	Electronic control, common rail type.
Clutch	
Type	CSP-380, dry single plate with damper springs.
Gear Box	
Model	M009, manual 9-speeds, synchromesh ,Direct drive .


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ممثل اللجنة المحيطة
15/11/2021



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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, with inter axle differential lock.
Rating Capacity (kg)	21,800
Steering	
Type	Telescopic and tilt steering column , recirculating ball integral power steering.
Tire & Wheel	
Front	Front: 315/80R22.5.
Rear	Rear: 295/80R22.5.
No. of Tires	11 (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 leaf 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 front and first 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	Equipped (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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مكتب الشركة للتجهيز
13/11/2021



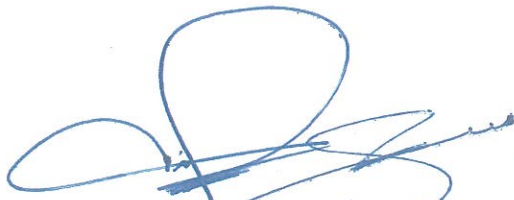
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TECHNICAL SPECIFICATION SHEET

16,000 LITERS WATER TANK


1. BODY CONSTRUCTION DETAILS:	
Volume	: 16,000LITERS
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	: 5mm MS plate Dipped & flanging, forming Elliptical Dished end. 5mm.MS Plate Rolled Shell welded Fabrication Standard.
Sub frame	: Heavy Duty Channel with UPN/JIS Grade180x70x6mm to be fit on free supplied chassis with proper bracing and cross members on heavy duty capacity.
Pad Plate/ Saddles and Support	: 6mm /8 mm. MS plate welded to make the geometry which is attached in the lower part of the tank
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.


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Welding	:	Tank External- (SMAW) Shield Metal Arc Welding using Flux covered Electrode E7016 &E7018 Qualified AWS Welder as per ASME Section IX. Plate thickness 1.5mm. -12mm. Processing 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:		
Loading	:	Through the manhole from top only.
Method of Discharge	:	Two Types: 1)Gravity discharge, through a Dia. 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: 1100L/Min,23m.Head. Model:WB30XT (HONDA) External.
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	:	<ol style="list-style-type: none">1.) MS Sheet Mud Guard on rear axles.2.) Water Level Indicator at Tank rear.3.) Side Marker Lights five (5) per side.4.) Side Bumper as per Drawing.5.) Rear Bumper with reflective Sticker.6.) One (1) No. Revolving Beacon sat Top of rear Tank.7.) Hose Holder by PVC Pipe at Both Sides.8.) 2Nos.3" Diameter Green hoses with Coupling , each of 3m long that Both Sides.9.) Access Ladder at tank Internal/External.10.) GI Grating at Tank Top.
Internal/ External	:	Non-Potable liner Epoxy based up to 120 microns DFT. One (1) coat/s of epoxy primer and Two (2) coat/s of Polyurethane Paint Finish paint DFT250 micron (Color of customer choice).

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