

Configurations	Characteristics
Brand	TRUCK HINO 300 4x2
Fuel	Diesel
Transmission	Automatic
Cylinders	4-cylinders
Number of Valves per Cylinder	4 Valves
OL - Overall Length	7250 mm
Wheelbase length	4200 mm
WB - Wheel Base (Min-Max)	4200 – 5200 mm
CA - Cab to Axle	2525 mm
OVH - Overall Vehicle Height	2235 mm
HF - Frame Height Front Axle	700 mm
HR - Frame Height Rear Axle	795 mm
MGC - Minimum Ground Clearance	210 mm
CW - Cab Width (excl. Mirrors)	1990 mm
WARW - Width Across Rear Wheels	1985 mm
FW - Frame Width (Outside)	750 mm
FOH - Front Overhang	1115 mm
ROH - Rear Overhang	1970 mm
FT - Front Track	1655 mm
RT - Rear Track	1520 mm
Max. Homologated Body Width (Min-Max)	1995 – 2500 mm
Max. Body Length	5000 mm
Suggested Body Length	4200 mm
Engine	Specifications
Model	N04C - WH
4 Stroke Compression Ignition	Yes
Aspiration	Turbo Intercooled
Bore x Stroke (mm)	04 X 118
Piston Displacement (cc)	4009
Compression Ratio	18 :1
Configuration	In-line
Engine Oil Cooler	Yes
Euro Emission Status	Euro 3
Firing Order	1 - 3 - 4 - 2
Max Eng. Speed (rpm)	3100
No. of Main Bearings	5
Power (EEC/ISO NET) (kW @ rpm)	110 @ 2800
Torque (Nm @ rpm)	420 @ 1400
Type of Cylinders	Dry Liners
Valve Configuration	Over Head

Clinic 20ft	Specifications
External Length	6,10 m
Internal Length	5,86 m
External Width	2,44 m
Internal Width	2,35 m
External Height	2,59 m
Internal Height	2,39 m
Inside Cubic Capacity	33,20 m3
Max. Gross Weight	30480 kg
Configuration	Materials Vs Description
Sections And Doors Dimensions Of the Section:	<p>The dimension of the section to be made in the container is determined by the height and width of the doors and windows standard for houses, and for the height and width of the metal reinforcement that these must carry. To execute the section plasma cutting subtractive method will be used.</p>
Height:	<p>Total Height of the Door THD = 2,050 mm Total Height of the Window THW = 500 mm</p>
Width:	<p>Total Width of the Door TWD = 900 mm Total width of the window TWW = 1,500 mm</p>
Welding:	<p>The reinforced profile is fixed to the container by the welding method. This will be done in all sections of the container. For the weld bead to be resistant to corrosion, as well as to the material. of the container (Corten Steel), a filler material with a 2.5% Ni content, approximately, or similar in composition to that of the metal base is used.</p>
Metal reinforcing profiles:	<p>To reinforce the section that will be made to the container, it is necessary to install a rectangular metal tube 20 x 40 profile, which will give more stability and consistency to the section made.</p>
Cabinet's Glass	<p>Plexiglass is selected for fast visibility, lightweight, toughness, and under high stress but it does not crack or</p>

	break and it's easy to clean, all crucial for saving lives on the go.
Flooring	The flooring will be coated with epoxy, a durable, antibacterial material that offers a smooth, easily cleanable surface with zero humidity retention. Epoxy outperforms conventional flooring systems in terms of longevity, as it is highly resistant to cracking and chipping. This superior resilience ensures that accidental tool drops or impacts will not cause damage to the floor.
Configurations	Description
Exterior Coating:	<p>The containers will be exposed to the salinity of the seawater, in case of being transported by sea, and to tropical climates which will cause acceleration of container corrosion. That is why, although the container is made of corten steel (anticorrosive), an insulating ceramic paint will be used on the ceiling and on the four walls of the containers to guarantee better protection against corrosion.</p> <p>The outside of the container is covered with composite panels according to the customer's preference so that the outside of the container has a smoother appearance.</p>
Interior Painting:	On the walls and ceiling of the interior part, modified, antibacterial, epoxy resins will be used. It provides low odor, and high stain resistance, thus allowing easy cleaning. This paint is ideal for combating bacteria and fungus formation.
Approximate Weight of Interior Load:	An empty 20-foot container weighs 2155 kg and supports a load of about 30 tons (30000 kg). Although the container can handle the weight of the equipment, an approximate study of the weight of the equipped container has been conducted to know what type of transport it needs. On the one hand, the equipment has been considered (also a generator, tank, etc.), and on the other hand, the internal structure of the container.
Plasterboard Mount:	The assembly of the plasterboard covering will be done in the same way as it is done in houses. which in this case, the composite panels. The composite panels will be placed to secure the plane and achieve a perfect finish. For proper fixing screws will be used.
Plumbing Installation:	<p>The plumbing installation is carried out with a gravity feed, avoiding the pump altogether. This provided advantages such as:</p> <ul style="list-style-type: none"> - Lower energy expenditure.

	<ul style="list-style-type: none"> - Less difficulty in plumbing maintenance. - Less complexity in the system.
Thermal Installation:	<p>For the air conditioning installation, it is necessary to perform thermal calculations of the area where it will be installed, to choose the one that best adheres to the conditions and surface of the area.</p> <p>After carrying out thermal calculations of the area, the air conditioning will be selected.</p>
Electric System	Description
Electrical Installation Proposal:	<p>The installation will be made in such a way that it can be connected to the public distribution.</p> <p>Solar panels can be placed to help with the electrical supply, but they cannot be relied on to be the sole source of power.</p> <p>There will be a generator set for supply failures or in case of impossibility of connection to the power grid.</p>
Sockets And Light Sockets	<p>For medical equipment utility purposes</p> <p>Within the unit, two 220v output sockets cater to devices requiring such power, with a total capacity of 2000w.</p>
The Roof Lighting	<p>The ceiling is adorned with 4 LED lights and 2 spot lamps, creating an illuminated and soothing atmosphere.</p>
Doors Locking System	<p>The operating room automatic door works with a card password. At the entrance, there is a closet and a computer desk Right next to it there are counter cabinets and drawers in the clinic too.</p> <p>There is a 2-meter awning canopy on one side of the vehicle The entrance of the clinic is made of an automatic shutter system door.</p>
Air Condition	<p>We understand that patient comfort is paramount during emergency transportation. Our clinic is equipped with a sophisticated air conditioning system, maintaining a controlled and comfortable temperature within the patient's cabin. This ensures that patients receive the care they need without compromising their well-being during the treatment.</p>
AirTrack Heater	<p>Use a fan to heat the air inside the vehicle, this spreads the heat very quickly in the patient compartment.</p>
Control Panel	<p>Boasts an advanced system, managed through a digital control panel.</p>
Safety Measures	<p>To guarantee the safety of both the vehicle and its occupants</p>

Medical Equipment	Description
Blood Donation Chairs:	<p>Purpose: These specially designed chairs allow donors to sit comfortably during blood donation.</p> <p>Function: Donors recline or sit in these chairs while the blood collection process takes place.</p>
Blood Pressure Monitor:	<p>Purpose: To check the donor's blood pressure before donation.</p> <p>Function: Measures the donor's blood pressure to ensure they are fit for donation.</p>
Temperature Monitor :	<p>Purpose: To measure the donor's body temperature.</p> <p>Function: Ensures the donor is not ill or running a fever.</p>
Blood Bags and Tubing:	<p>Purpose: Used to collect, store, and transport donated blood.</p> <p>Function: Safely collects blood during donation and ensures proper storage.</p>
Hematology Analyzer:	<p>Purpose: Analyze blood samples.</p> <p>Function: Determines cell counts, hemoglobin levels, and other parameters to ensure the safety of the donated blood.</p>
Blood Typing Kit:	<p>Purpose: Determines the donor's blood type.</p> <p>Function: Helps match blood types for transfusion compatibility.</p>
Coagulation Analyzer:	<p>Purpose: Assesses blood clotting ability.</p> <p>Function: Ensures safety during and after donation.</p>
Refrigeration Units:	<p>Purpose: Stores donated blood at the required temperature.</p> <p>Function: Maintains blood quality until it's used for transfusion.</p>
Personal Protective Equipment (PPE):	<p>Purpose: Ensures staff hygiene and safety.</p> <p>Function: Includes gloves, masks, gowns, and face shields worn by medical staff during blood collection.</p>
Sterilization and Disinfection Supplies:	<p>Purpose: Maintains a sterile environment.</p> <p>Function: Used for cleaning surfaces and equipment to prevent infection.</p>
Antiseptics and Disinfectants:	<p>Purpose: Prevents infection.</p> <p>Function: Applied on skin and equipment surfaces.</p>

Sterile Gauze and Dressings:

Purpose: Post-donation care.

Function: Applied to the puncture site to aid clotting and prevent infections.