

# OIL & GAS MODULAR CABIN - SPECIFICATION



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This document refers to the specification and furnishing of a standard container. Construction uses a fixed frame with interchangeable wall panels. The individual containers can be erected either side-by-side, end to end or stacked on top of each other. Individual rooms can be achieved by removing outer wall panels and the fitting of partitions.

## SPECIFICATION



### Technical Parameters

Wind Resistance:	102 km/hour – 50kg/m <sup>2</sup>
Roof Load:	100 kg/m <sup>2</sup> – Based on TS 498
Floor Load capacity:	200 2 kg/m <sup>2</sup> – Based on TS 498

### Design Data

#### External Dimensions

Length	6.050 m
Width	2.430 m
Height	2.800 m

#### Internal Dimensions

Length	5.934 m
Width	2.314 m
Height	2.534 m

#### Cubic Capacity

34.79 m<sup>3</sup> – 1229 ft.

#### Weight

1,950 kg - 4,299 lb.

## CONSTRUCTION & MATERIAL

- Floor**
  - 18mm Cement Fiber Board c/w QCD certification
  - 2mm epoxy or PVC Vinyl 3mm thickness
  - Color – Grey / Wood Grain
- Roof**
  - Roof Construction: Metal deck – 2mm MS sheet supported by U channel - 80mm x 40mm
  - x 3mm folded MS sheet on C section – 150mm x 100mm x 3mm folded MS sheet
- Ceiling**
  - Fire rated panels with 50mm PIR insulation. See wall panel for full info
  - In built steel gutters on the roof
  - 4 x Rainwater pipes in frame corners
- Container Frame**
  - All Profiles are made of 2mm, 3mm and 6mm folded MS sheet. Primer undercoat and 2 x topcoat RAL 9001 anti-corrosive paint
  - Base frame is fabricated with forklift pockets
- Wall Panels**
  - 50mm PIR Sandwich Panel ASTM E84 density 42kg/m<sup>3</sup> c/w QCD certification.
  - Outer Panel Sheet – 0.40mm off White colour ribbed hot dip zinc protected steel to BS EN 10346:2009
  - Inner Panel Sheet – 0.40mm off White colour ribbed hot dip zinc protected steel to BS EN 10346:2009
- Windows**
  - 1 x 900mm x 1200mm PVC/Aluminum double glazed ½ opening sliding window
- Doors**
  - Aluminum door 900mm x 2100mm. Painted RAL 9010 c/w security lock and handle sourced from local market



## SPECIFICATIONS

- **Electrical Installation**
  - 2 x 36W 1.2m fluorescent lamp fittings.
  - 10 & 40-amp single phase MCB breakers.
  - 2 x 13-amp double sockets and light switches.
  - 1 x 20-amp AC switch & socket.
  - 1 x Power distribution / fuse box containing 10-amp, 20-amp & 30-amp breakers for lights, sockets, and AC.
  - 1 x Male & 1 x Female ingressed 32A 3 phase external waterproof industrial socket / plug.
  - 3 core 2.5mm & 6mm cabling.



## Additional Options

- Split or window air conditioning as required.
- Internal bathrooms and showers.
- Pantries
- Telephone and data cabling / sockets.
- Furniture
- Foundations where required.
- Fire rated – c/w QCD certification – windows, glass, and doors.
- Blast and bullet proof cladding.

