

Shipping Container Homes - Technical Specification

Canonical URL: <https://www.samanportable.com/product/container-houses/shipping-container-homes>

Steel Structure

COMPONENT	DETAIL
Bottom frame	150x75x5 mm MS C-channel with additional cross-members at lifting zones
Bottom stiffeners	100x50x4 mm channels with relocation skid provision
Floor frame	100x50x3 mm primary and 80x40x3 mm secondary floor members
Top frame	80x40x3 mm MS top perimeter
Roof stiffeners	60x40x2.5 mm rafters and 50x50x2.5 mm purlins
Corner posts / walls	75x75x3 mm corner posts with reinforced door and window surrounds
Lifting / handling	Designed MS lifting hooks or lugs matched to the completed unit weight; handle only by the approved lifting and support-point drawing.
Welding & fabrication	Welded MS fabrication with cleaned joints, safe edges, dimensional inspection and coating touch-up before panel closure and dispatch.

Walls, Roof, Floor & Insulation

COMPONENT	DETAIL
Exterior walls	1.6 mm corrugated MS sheet, full-height continuous profile
Roof	1.6 mm corrugated MS with continuous ridge and edge sealing
Interior walls	12 mm plywood with 0.8–1.0 mm laminate and selected HPL feature panels
Ceiling	12.5 mm gypsum or premium laminated ceiling
Floor base	18 mm Bison panel on sealed floor frame
Floor finish	5–6 mm SPC or 3–4 mm LVT flooring
Wall insulation	75 mm mineral wool
Roof insulation	100 mm glass wool or mineral wool
Decorative / external finish	zinc-rich primer with anti-rust enamel, coastal-duty build
Fasteners & sealing	Security grill, insect mesh, guard, louver or protection selected only where the approved use and opening schedule requires it.

Doors, Windows, Electrical & Services

COMPONENT	DETAIL
Main door / service door	reinforced insulated door in a welded surround frame
Windows / service opening	powder-coated aluminium windows with weatherproof hoods and sealed penetrations
Grills / mosquito mesh	Security grill, insect mesh, guard, louver or protection selected only where the approved use and opening schedule requires it.
Electrical wiring	Concealed PVC-insulated copper wiring, typically 1.5 sq.mm lighting, 2.5 sq.mm sockets and 4 sq.mm higher-load or AC circuits, subject to the final load schedule.
Electrical protection	Distribution board with MCB/RCCB protection, earthing and segregation of lighting, socket, wet-area and AC circuits according to the approved electrical drawing.
Electrical fittings	LED lights, computer/data points, UPS provision, multiple 6A/16A sockets, fan points and dedicated AC circuit.
Ventilation / AC	Residential daylight, cross-ventilation, exhaust and optional AC are coordinated to the room plan without changing the common Container Office construction baseline.
Plumbing / sanitary	Container Office base services adapted only where the approved residential plan includes kitchen, basin, shower or WC connections; supply, waste, vent and external utility interfaces remain quotation-controlled.
Layout / configuration	reinforced container-form shell planned for repeat relocation; ISO cargo-container reuse is not implied
Painting / coating	zinc-rich primer coat followed by two anti-rust enamel coats
Quality checks	Pre-dispatch checks cover dimensions, member and sheet identification, welds, coating, roof drainage, weather sealing, doors, windows, electrical continuity and functional operation.
Warranty	5-year structural warranty and 1-year finishing warranty as standard

Six approved sizes and prices

SIZE	AREA (SQ FT)	EX-GST	INCL. 18% GST
20x8 ft	160	INR 3,64,320	INR 4,29,898
20x10 ft	200	INR 4,14,000	INR 4,88,520
20x12 ft	240	INR 4,76,880	INR 5,62,718
40x8 ft	320	INR 6,22,720	INR 7,34,810
40x10 ft	400	INR 7,78,400	INR 9,18,512
40x12 ft	480	INR 9,13,920	INR 10,78,426

Warranty

5-year structural warranty and 1-year finishing warranty as standard; finishing warranty extendable to 2 years on request, confirmed at quotation. Typical service life is 20 to 25 years under proper use and maintenance, which is an engineering expectation, not a warranty period.

Supply scope

Published prices are ex-factory for the unit as specified, exclusive of GST. Foundation, site levelling, water and drainage connection and the electrical service point are arranged at your site and are quoted separately.

Delivery and quotation

Delivery in 7 to 21 working days and fixed quotation within 48 hours.

Certifications

ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, NSIC SPRS, Udyam, ZED Bronze, DPIIT Startup India

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