Product catalog

45FT Container-Based Expandable Venue

A transportable, rapidly deployable commercial venue for events, hospitality, exhibitions and mobile business. The wheeled chassis shown in some photographs is a transport tool.



10.4 × 10.3 m **≈107 m²**

English · mobifold.com

01

Product overview

Factory-prefabricated construction combines a high-strength transport platform with expandable side modules. The reusable interior can support banquets, exhibitions, pop-up retail, showrooms and hospitality. Other container sizes, including 20FT and 40FT, require their own confirmed specifications.

02

Confirmed dimensions

Expanded internal length: 10.4 m. Expanded internal width: 10.3 m. Theoretical internal area: 107.12 m². Referenced folded external length: 13.716 m. Referenced transport weight: approximately 23,000 kg. Final production drawings govern the delivered configuration.

03

Dining layout

A dining example uses 13 round tables, each 1.4–1.5 m in diameter, seating 10 diners per table: approximately 130 diners. This is a layout example, not an approved maximum occupancy. Allow for service areas, circulation and exits.

04

Structure and deployment

Steel framing, folding hinges, hydraulic movement and supporting outriggers form the deployment system. Position the unit, stabilize it, expand the structure and commission utilities according to the delivered operating instructions. Confirm ground bearing, support locations and site clearance for each project.

05

Interior and systems

The configuration can include flooring, insulated wall and roof systems, doors, glazing, ventilation, air conditioning, lighting and audio. Confirm equipment quantities, electrical loads, finishes and destination requirements in the signed configuration list.

06

Customization and immersive visuals

Exterior colours, entrance features, glazing, interior layout and branding can be customized. Projection and other immersive visual systems are optional. Confirm projector quantity, content, installation, ambient light and calibration in the quotation.

07

Quality and factory acceptance

Review materials, structural assembly, welding and included systems. Factory acceptance should cover the main folding and unfolding sequence and major functions. Inspection can be documented through photographs, video or an agreed remote inspection.

08

Transport and delivery

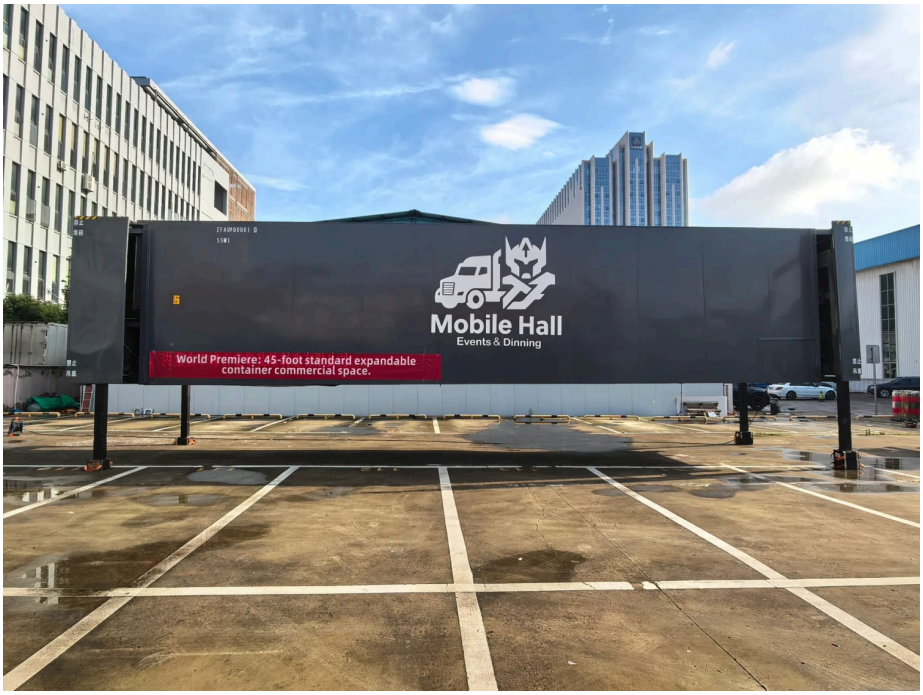
This expandable container is non-stackable. Use breakbulk shipping or another appropriate non-stacking transport plan. Confirm lifting instructions, vessel availability, inland transport and unloading before shipment. The referenced production period is approximately 90 days, subject to configuration and agreed preconditions.

09

Pricing and support

Request a quotation for the selected 45FT configuration. The signed offer defines equipment, furniture, freight, installation and other inclusions. Warranty terms, scope and conditions are defined in the signed contract. Installation videos, manuals, remote support and on-site support can be agreed.

Gallery & films





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Product FAQ

1. What is the price?

The price depends on configuration. Please contact us for a project-specific quotation. The final quotation depends on platform, dimensions, interior, equipment and destination requirements.

2. What is this product?

A mobile, foldable and rapidly deployable multifunctional commercial space. Depending on the selected platform, it uses a container-based structure or a semi-trailer platform with an expandable structure.

3. Is it a building or a vehicle?

Classification varies by local regulation. It may be treated as a mobile commercial space, modular or temporary structure, or—in relevant configurations—a semi-trailer RV. Local authorities determine the final classification.

4. What can it be used for?

Applications include party halls, nightclubs, bars, restaurants, wedding venues, exhibitions, pop-up stores, event centres, mobile churches, supermarkets and corporate event spaces.

Product FAQ

5. What sizes are available?

The documented 45FT container configuration has a deployed interior of 10.4 × 10.3 m. Referenced semi-trailer configurations include 15.7 m and 53 ft external lengths, with 13.5 m and 15 m internal lengths respectively. Customized designs may be evaluated.

6. What folded widths are available for semi-trailer systems?

A road-width-oriented configuration may fold to 2.55 m and expand to 10 m. Another referenced configuration folds to approximately 2.85 m and expands to 12 m. Selection depends on destination requirements.

7. Which configuration produces 180 m²?

The referenced 180 m² dimensional combination uses the 53-foot platform with 15 m internal length and 12 m deployed width.

8. What is the referenced total weight?

The complete semi-trailer unit is approximately 31 tons depending on configuration. The referenced 45FT container-based configuration has an approximate transport weight of 23,000 kg.

Product FAQ

9. How many people can it accommodate?

Capacity depends on layout, exits and local rules. A semi-trailer event layout may typically accommodate around 200–280 people. For the 45FT system, 13 round tables with 10 diners each is an example of approximately 130 dining guests—not a maximum occupancy statement.

10. How long does opening or closing take?

A referenced semi-trailer system normally takes approximately 25 minutes to open or close. Timing varies with configuration, site and operator experience.

11. How many people are needed for operation?

The referenced semi-trailer deployment system can normally be operated by one trained person. Site safety procedures may require additional personnel.

12. Is a professional technician required?

Technical guidance is recommended for initial installation and commissioning. After training, the customer can operate the system independently according to the manuals and safety procedures.

Product FAQ

13. What is the wind resistance?

A referenced deployed configuration is specified for wind speeds up to 90 km/h. This claim must be confirmed for the quoted configuration. In severe weather the structure should be closed and secured.

14. What are the ground requirements?

The site should be basically level and suitable for the loads and supports. A complex permanent foundation may not be required, but site conditions must be assessed for each project.

15. What is the floor load capacity?

A referenced interior floor structure is described as supporting approximately 30 tons of distributed load. The applicable load definition and configuration must be confirmed in project documentation.

16. What hydraulic system is used?

The semi-trailer platform uses an industrial hydraulic deployment system with 6 main load-bearing hydraulic units and 20 auxiliary support units in the referenced configuration.

Product FAQ

17. How often should hydraulic oil be replaced?

Normally once per year or after approximately 50–100 hydraulic deployment cycles, whichever comes first, subject to the maintenance manual and operating conditions.

18. What hydraulic oil is used?

The standard referenced oil is L-HM 32 anti-wear hydraulic oil. Suitability should be confirmed for local climate and the delivered system.

19. Does it include a built-in generator?

A generator of approximately 10 kW may be installed under the semi-trailer to power the hydraulic system. It is not intended to power appliances or electrical equipment inside the hall.

20. What if there is no grid power?

For remote sites, a 45–50 kW silent diesel generator may be used as a project reference for hall power. Final sizing depends on the complete electrical load.

Product FAQ

21. Can the electrical system be adapted by country?

Yes. Voltage, frequency and electrical standards can be configured according to the destination and quoted project requirements.

22. What is normally included?

A referenced standard configuration may include the main steel structure, hydraulic system, flooring, wall and window systems, electrical and basic lighting systems, air conditioning and surround sound. The signed quotation defines the actual scope.

23. What optional features are available?

Options may include immersive lighting and visual systems, LED displays, fire protection systems, an accessible lift platform and external perimeter railing.

24. Is furniture included?

Furniture is not included in the standard quotation. Mobifold can assist with sourcing when requested.

Product FAQ

25. Can the semi-trailer and expandable structure be separated?

Yes. In the semi-trailer configuration, the expandable structure can be treated as cargo carried by the trailer and can be separated when required.

26. How is it transported?

RoRo shipping is commonly used for semi-trailer units. Breakbulk shipping may also be used for large equipment. The 45FT container-based configuration is non-stackable and requires an appropriate non-stacking transport plan.

27. Can it be shipped worldwide?

It can be shipped to most countries and regions. The final method depends on ports, inland transport conditions, product platform and project requirements.

28. Where is the semi-trailer version available?

It may be considered for selected markets including the United States, South America, Africa, the Middle East and Southeast Asia. It is not offered for use in Europe or Canada; container-based alternatives are available there.

Product FAQ

29. Do you provide installation and technical support?

Support can include installation videos, operation manuals, remote assistance and on-site support when required and agreed.

30. What is the production time?

Production time depends on final configuration, customization and order details. The schedule is confirmed when the order is placed. A referenced 45FT production period is approximately 90 days.

31. Is it available from stock?

Most units are manufactured to order according to customer configuration and project requirements.

32. Do you provide compliance support?

Yes. Relevant technical documents and certification support can be provided according to the project and destination. Local approval remains subject to local authorities.

Product FAQ

33. What warranty terms apply?

Warranty terms, scope and conditions are defined in the signed contract.

34. Why choose an expandable commercial space?

It is a mobile and reusable commercial asset that can reduce deployment time, support flexible site selection and serve different commercial opportunities without functioning like a conventional permanent building.

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