

Ground equipment and tools lease and sales

- Volga-Dnepr Technics provides lease of required equipment and tools for maintenance operations on Boeing 747, Boeing 737, Airbus A320, Boeing 777 aircraft types.
- VDTM is an exclusive representative of **J.B.Roche** – an inflatable aviation hangar Mfg.&Provider. Such hangars represent a mobile inflatable structure designed to facilitate works performed on various airplane parts and help avoid problems associated with climatic and environmental conditions.

Standard inflatable shelters

JB Roche original standard inflatable shelters quickly encapsulate the engine, windscreen and fuselage of most aircraft in minutes making it the smarter alternative to the traditional aircraft maintenance hangar. Fully protect both people and planes. Quick and easy to install. Compact enough to fly and store anywhere.



Type of inflatable aircraft shelters

- Engine Change Shelters
- Nose Maintenance Shelters
 - Fuselage MX Shelters
- Propeller Maintenance Inflatable Shelters
 - MEWP Aircraft Shelters

Engine Change Shelters

JB Roche best selling, patented **IglooMX® Engine Change Shelters** will save you money by reducing the downtime involved in moving aircraft from the ramp to the hangar whilst providing a simple solution for aircraft recovery tasks.

Lightweight, portable, and easily set-up with a small maintenance crew.

Provides a safe, controlled and private outdoor working environment.

Simple and straightforward to install without the need for prior training. Reduces recovery costs by saving money on hangar rentals. AOG incidents can lead to costly delays and scheduling difficulties for operators. This “hangar-in-a-bag” system reduces downtime to a minimum and enables the AOG team to get the aircraft back in the air in the least possible time, thereby saving on costly hangar rentals and lost man hours.



Precision fit models to suit all Boeing, Airbus and Embraer aircraft.
Other models can be offered on request.

Nose maintenance shelters

These aircraft maintenance shelters are used for several tasks including radome maintenance, windshield replacement, nose landing gear inspection and aluminium/composite panel repair work. Some models enclose the main door and airstairs.

- Provides vital protection to cockpit avionics during windshield changes
- May be heated or cooled to attain the correct working temperature for adhesives and sealants
- Translucent shelter fabric ensures adequate light levels without the need for artificial lighting
- Allows maintenance staff to complete the job without external distractions



Models to suit all Boeing, Airbus and Embraer aircraft.
Other models can be offered on request.

Fuselage MX shelters

Shelters vary in weight, usually between 70 and 200 kg.

Fuselage shelters are ideal for window maintenance and repairs, sheet-metal or composite repairs, application and removal of decals, localized spray painting and door/cargo handling mechanism maintenance and inspections.

- JB Roche trusted inflatable aircraft shelter offers a professional appearance when work needs to be done on-ramp
 - Large surface area is ideal for placement of company logo/slogans etc
 - Ideal for keeping your hangar free of contaminants during composite repairs or painting
 - Large enough to accommodate staging or scissors lifts



Propeller maintenance inflatable shelter

All types of propeller driven aircraft and for windshield, nose and radome maintenance (with optional rear door).

These aircraft shelters are extensively used by both the military and civilian operators for tasks including propeller removal, inspection, lubrication and maintenance applications.

- Models available for all propeller diameters
- Quick release fittings on the rear door enable it to be closed up around the nacelle without going on-wing
 - Sufficient interior space to incorporate small Genie or other scissors-lifts
 - Hot air can be introduced into the shelter via ducts provided to control the environment



MEWP Aircraft Shelters

Cleaning, fuselage repairs, radome repairs, decal and window work.

One of JB Roche smallest yet most functional aircraft shelters, this multi-purpose unit provides an enclosed and portable work space on top of your scissors lift or mobile elevated work platform.

- May be used on all points of the aircraft which are accessible from a work platform or boom lift
- Can usually be installed by one or two people
- Designed to allow the work platform to be driven with the shelter in place
- Multi-purpose with removable top, sides & roof for slat, flap, stab, under-wing and tail repairs etc.



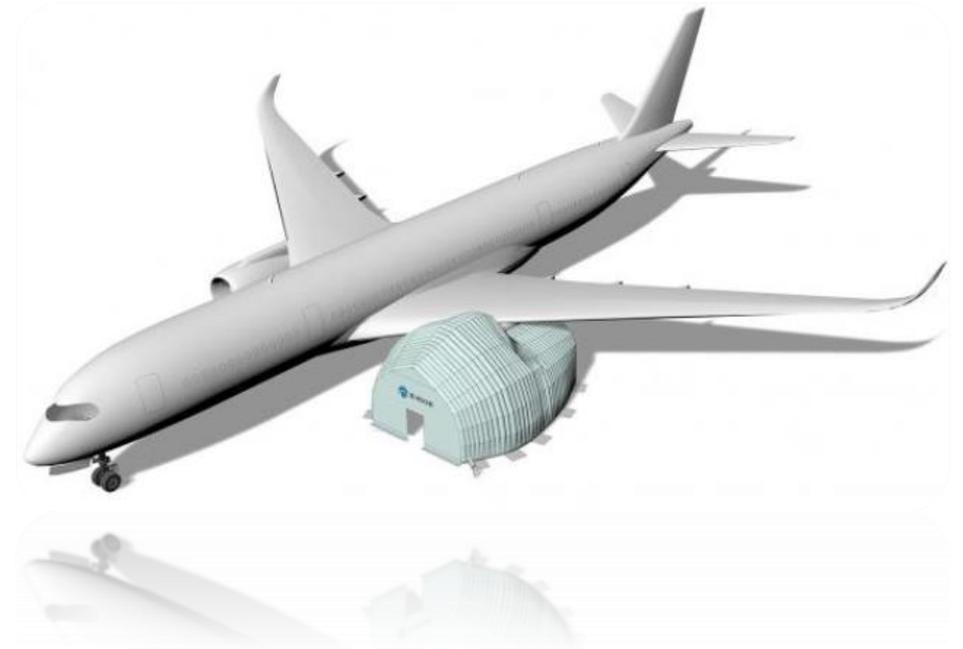


WB IglooMX® Engine Change Shelter

The **IglooMX® Shelter** system is small enough to ship as part of the fly-away kit. It may be set up on either engine to encapsulate both engine and pylon. By following the simple installation instructions provided, this kit can be installed in a matter of minutes by a crew of 4-6 people.

Once in place, the shelter system will boost your maintenance team's productivity by providing a warm and safe environment in which to work. These shelters feature specially designed fabrics that are both lightweight and tough, providing excellent abrasion and tear resistance. The unique materials are also fire retardant and resistant to hydraulic fluid and fuels, ensuring that they remain functional for many years.

The **IglooMX®** is supplied in a storage bag on wheels, making it easy to move around on the apron.



In the unlikely event that the shelter becomes damaged while in use, an on-site repair kit is supplied as part of the package.

The **IglooMX®** kit can be deflated and stored away in around 20 minutes.



Technical Specification of WB IglooMX® Engine Change Shelters

Model	P/N 890177	P/N 890178
Dimensions inflated (maximal)	12.50 m x 11.30 m x 6.60 m	12.50 m x 11.30 m x 7.80 m
Dimensions stored	180 cm x 120 cm x 110 cm	190 cm x 150 cm x 110 cm
Packaged weight	295 kg	330 kg
Temperatures ranges	Can be used from -30° to +70° C (-22° F to +158° F)	Can be used from -30° to +70° C (-22° F to +158° F)
Inflation device	2 H.P. Electric Blower	2 H.P. Electric Blower
Power supply	110 V 60 Hz or 220 V 50 Hz models available	110 V 60 Hz or 220 V 50 Hz models available



Features and Benefits of WB IglooMX® Engine Change Shelters

Features

- Installation crew: 4-6 persons
- Inflation time: 5 minutes
- Folding and re-packing time: 20 minutes
- Strong but lightweight for easy handling
- Fire retardant and resistant to fuels, oils and hydraulic fluids
- Unique patented design
- Can withstand windspeeds of up to 25 knots
- 20 year proven track record with leading airlines, airframers and MRO's

Benefits

- Suitable for use on wide range of widebody aircraft
- Can be branded with airline logo
- No previous training required
- Models available for use with HYDRO COBRA Engine Change System
- Provides privacy from passengers during engine maintenance
- Can be powered using a 5 kVA generator

Accessories

- Ramp heater
- Air-conditioning
- Lighting set on tripods
- Reusable shipping crate
- Water filled ballast bag kit