MODULAR PNEUMATIC TENT

The pneumatic tent:

- is fully operational for four (4) consecutive 24-hour cycles in external conditions as defined in Category B2 (Wet Hot) according to AECTP-230.
- is fully operational in external conditions with wind speeds of up to 22 meters per second, with gusts of up to 27.8 meters per second from random directions.
- is fully operational under an accumulation of ice of at least six (6) millimeters on the surfaces.
- is capable of being deployed, assembled and managed within 20 minutes, under normal environmental conditions in the field (from 0 to 50 degrees Celsius).
- is capable of being deployed, assembled and manageable within 30 minutes when surfaces
- reach a cold immersion temperature above -25 degrees Celsius
- is capable of being deployed, assembled and manageable within 30 minutes when the surfaces reach a temperature below 55 degrees Celsius.
- is capable of being used at altitudes of up to 3,000 meters above sea level.
- resists if maintained in external conditions as defined in A1 (Extreme Hot Dry) of AECTP-230 for 1 (one) month
- resists if maintained in external conditions as defined in C1 (cold) of AECTP-230 for 1 (one) month
- is capable of operating in humidity conditions of up to 95% (without condensation).
- is fully operational in external conditions with an intense rainfall rate varying between 0.8 and 1.8 mm per minute for a period of time up to 4 hours
- it is fully operational in outdoor conditions with saline mist and spray atmosphere, with an average concentration of saline solution of 5%, for eight 24-hour periods at an average temperature of 35 ° C.
- it is resistant and isolates its internal environment from particles of various sizes up to 149 micrometers in diameter, in concentrations between 1.0 and 2.0 grams per cubic meter of air

The tent cover includes at least the following features:

- Resistant to mold
- Water-repellent
- Resistant to ultraviolet rays
- Provides a blackout in the visual spectrum and near infrared
- Provides thermal insulation (heat transfer coefficient not higher than 2.8 W / m2 K)
- Provides 15 dB noise attenuation from outside
- Flame retardant material.