



Introducing the KTM42D

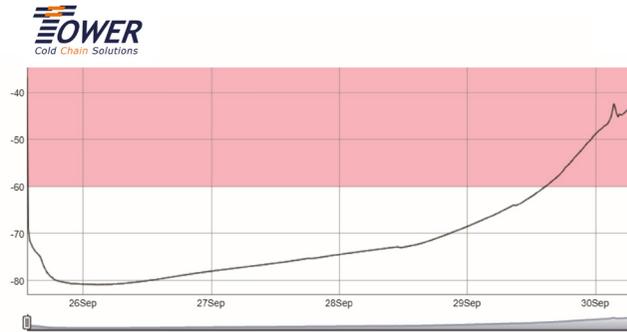
A unique double pallet temperature-controlled packaging solution within the Life Sciences and Healthcare marketplace for the transportation and extended storage of products that require an internal temperature range of -80°C to -60°C .

- Allows all existing (-20°C) freezers to provide a $<-60^{\circ}\text{C}$ deep-freeze environment with hugely reduced running costs, reliability and industry standard health and safety.
- When stored in a (-20°C) freezer unit, the KTM42D maintains $<-60^{\circ}\text{C}$ for over 9 days (227 hours) and can be replenished in under 5 minutes providing unlimited deep freeze time.
- Provides the largest single industry shipment (two pallets) within airline dry-ice limitations whilst maintaining $<-60^{\circ}\text{C}$ for over 94 hours.
- Replacing the dry ice takes under 5 minutes, using the unique 2 door access the operatives work outside the KTM42D and the load stays in situ.
- The most flexible container globally, can be configured to carry double pallet loads $<-60^{\circ}\text{C}$, -20°C , $+5^{\circ}\text{C}$ all the way through to $+25^{\circ}\text{C}$.
- Due to the balanced use of energy there is little convection within the container, so uniformity of load and air temperature is maintained.
- Allows remote locations and lorry reefers with freezer capabilities to have deep freeze capabilities.
- Allows for multiple units to be maintained within -20°C freezers with limited unskilled workforce.
- Industry leading Health and safety working conditions maintained throughout cold chain solution.

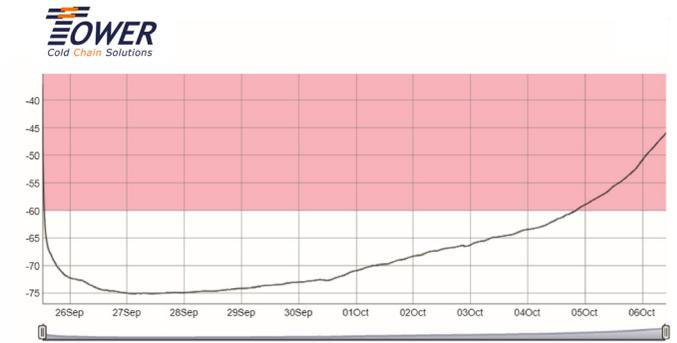
The **KTM42D** is ideally suited for the transportation and extended storage of bulk:

- Coronavirus vaccine
- API & diagnostic kits
- Biopharmaceutical solutions
- Diagnostics specimen samples
- Cell lines
- Bacteria
- Micro organisms
- Proteins and other samples and solutions

System	Units	E Length	E Width	E Height	External Vol	I Length	I Width	I Height	Payload Vol	Volumetric	Tare Weight	Max DI
KTM42D	SI	1950mm	1550mm	1580mm	4775.6L	1640mm	1250mm	850mm	1742.5L	795.9kg	421.9kg	250.0kg
KTM42D	Imperial	76.8"	61.0"	62.2"	168.65ft ³	64.6"	49.2"	33.5"	61.54ft ³	1754.7lb	930.2lb	551.2lb



TOWER's KTM42D modular container maintains <-60°C for 94 hours in a controlled ambient environment whilst storing two full Euro pallets of pharmaceutical product using an airline-compliant 250kg of dry ice.



TOWER's KTM42D modular container maintains <-60°C for 227 hours in a typical deep freeze unit whilst storing two full Euro pallets of COVID-19-related vaccine or API using only 250kg of dry ice.

TOWER has developed a comprehensive suite of bespoke client payload solutions which meet the industry's stringent product integrity and Health and Safety demands. Please enquire about our full range of single, double and half US and EU and sub pallet deep frozen containers.

If you have a product that requires transport or storage at <-60°C or a client who needs this facility and wish to find out more, please contact a TOWER global representative.

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