



MARKET-LEADING COLD STORAGE

WITH PRECISION
TEMPERATURE CONTROL



www.tempkold.com

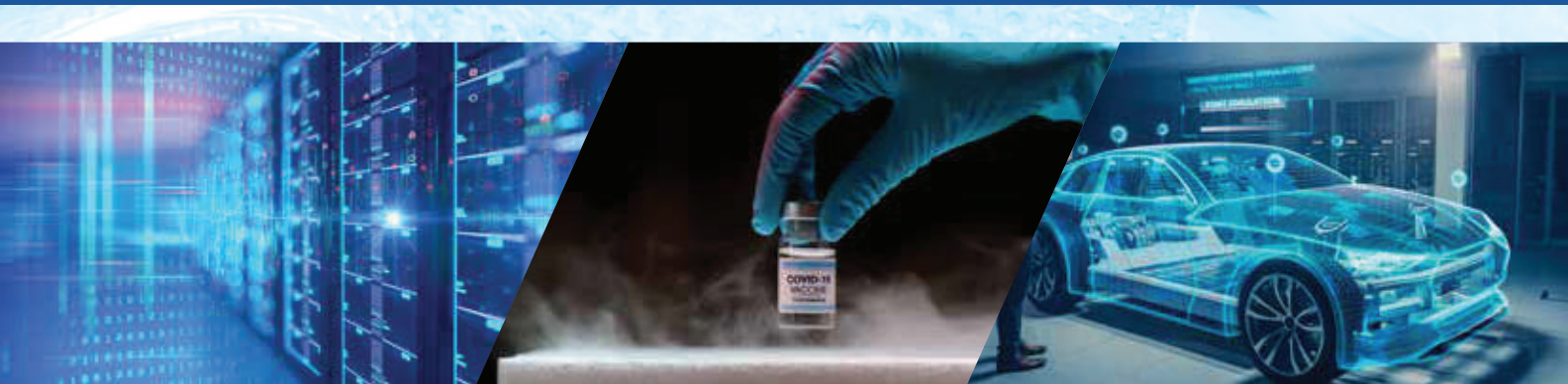
PORTABLE, MODULAR COLD STORAGE SOLUTIONS



- + TEMPKOLDSTORE
- + TEMPKOLD SUPERSTORE
- + ULTRAFREEZER
- + TEMPKOLDBLAST
- + TEMPKOLDSTORE TROPICAL
- + TEMPKOLD MINI STORE
- + HOTSTORE
- + ACCESSORIES AND BESPOKE

COLD STORAGE APPLICATIONS

Many products need reliable and precise temperature-controlled storage



AND MANY MORE!

TEMPKOLD STORE

Purpose built portable storage in a container footprint with precision temperature control



FROM
-40°C
(-40°F)

TO
+45°C
(+113°F)

SIZES
10'3M
20'6M
40'12M




NEW GENERATION OF
TEMPKOLD STORE

Save 20% on energy with extra
insulation. Ask our experts!

TEMPKOLDStore	External (mm)			Internal (mm)		
	Length	Width	Height	Length	Width	Load height
10ft	2,991	2,438	2,591	2,296	2,292	2,310
20ft	6,058	2,438	2,591	5,363	2,292	2,310
40ft	12,192	2,438	2,896	11,497	2,292	2,605

TEMPKOLDStore	Pallets	Max Weight	Tare Weight	Payload
Dimensions	EU	kg	kg	kg
10ft	4	10,160	2,060	8,100
20ft	10	24,000	2,770	21,230
40ft	22	30,480	4,650	25,830

Dimensions shown are typical and variances are possible.

TEMPKOLD SUPERSTORE

Large open plan storage with almost unlimited capacity



FROM
-40°C
(-40°F)

TO
+45°C
(113°F)

SIZES OR Bespoke
10'3M to you
20'6M
40'12M



SuperStores 20 ft / 40 ft	External (mm)		Internal (mm)		Door Opening		Floor Support
	Length	Height	Length	Height	Width	Height	kg/sqm
20 ft / 40 ft	6,058 / 12,192	2,896	5,430 / 11,262	2,600	2,000	2,560	3000

SuperStores 20 ft / 40 ft	Super 2	Super 3	Super 4	Super 5	Super 6	Super 7	Super 8	Super 9	Super 10	Super 11
Width ext,	4,896	7,354	9,812	12,270	14,728	17,186	19,643	22,101	24,539	26,977
Width, Int,	4,751	7,209	9,667	12,125	14,583	17,041	19,499	21,957	24,395	26,833

Dimensions shown are typical and variances are possible.

No. EU Pallets

There is effectively no limit to the total size, SuperStores modules can be joined side to side (no supporting posts to interfere in use) and end or side to end where corner posts exist.

TEMPKOLD ULTRAFREEZER

Experience the extreme with ultra-low temperature refrigerated storage

FROM -10°C (14°F) TO -80°C (-112°F)

SIZES
20'/6M
40'/12M



TEMPKOLD Freezer	External (mm)			Internal (mm)		
	Length	Width	Height	Length	Width	Load height
20ft	6,058	2,438	2,591	5,228	2,050	2,237
40ft	12,192	2,438	2,896	11,550	2,200	2,485

TEMPKOLD Freezer	Pallets	Max Weight	Tare Weight	Payload
Dimensions	EU	kg	kg	kg
20ft	10	24,000	2,770	21,230
40ft	22	30,480	4,650	25,830

FEATURES ULTRAFREEZER CUSTOMERS

- + Reinforced structure to withstand extreme cold and vacuum
- + Extra high insulation
- + Pharma grade hygienic stainless steel and aluminium interior suitable for vaccine storage
- + Cascade double compressors for extra low temperatures
- + Easy to operate escape hatch and mantrap alarm
- + Special door locking for extra tightness
- + Internal light
- + Bio & Life Science
- + Vaccine Storage & Transport
- + Tuna Storage & Transport



TEMPKOLD BLAST

For Blast Freezing & Rapid Chilling

RAPID CHILLING
1 TON FRUIT/VEGETABLES

FROM 30°C
(86°F)



TO 5°C
(41°F)



BLAST FREEZING
1 TON MEAT

FROM 5°C
(41°F)



TO -18°C
(-0.4°F)



TEMPERING
1 TON MEAT

FROM -18°C
(-0.4°F)



TO 2°C
(35.6°F)



**DOORS
AT BOTH
ENDS**

TEMPKOLD Blast	External (mm)			Internal (mm)		
Dimensions	Length	Width	Height	Length	Width	Load height
10ft	2,991	2,438	2,591	2,360	2,292	2,310
20ft	6,058	2,438	2,591	5,634	1,760	2,245
40ft	12,192	2,438	2,896	11,768	1,760	2,550

TEMPKOLD Blast	Area	Cubic capacity	Pallets	Tare Weight	Max Weight	Door opening (mm)		Floor loading
Dimensions	m2	m3	EUR	kg	kg	Width	Height	kg/m2
10ft	5.41	12.50	4	2,060	10,160	2,196	2,251	3,000
20ft	9.915	22.26	7	3,000	24,000	1,750	2,171	3,000
40ft	20.71	52.81	14	7,040	30,480	1,750	2,476	3,000

TEMPKOLDSTORE TROPICAL

New generation of TEMPKOLD Store

GREENER
FUTURE



FROM
-40°C
(-40°F)

TO
+45°C
(+113°F)

SIZES
10'3M
20'6M
40'12M



Improved
Insulation



Lower Energy
Consumption



Saving approx. 20%
on Energy Bills*

*Estimate is based on internal testing of empty container

TEMPKOLD Store	External (mm)			Internal (mm)		
	Length	Width	Height	Length	Width	Load height
10ft	2,991	2,438	2,591	2,296	2,234	2,245
20ft	6,058	2,438	2,591	5,363	2,234	2,245
40ft	12,192	2,438	2,896	11,497	2,234	2,550

48.6% Longer to
Reach 0°C from -40°C

19% Less time to cool down from
+25°C to -40°C than standard

Keeps temperature longer even
after shut down of power cut

21.4% less energy to
maintain -40°C



TEMPKOLD ^{MINI} STORE

Portable cold storage, perfect for private and commercial events



FROM
-25°C
(-4°F)

TO
+5°C
(+41°F)

SIZES
8'/2.5M



TEMPKOLD Mini Store	External (mm)			Internal (mm)		
Dimensions	Length	Width	Height	Length	Width	Load height
8ft	2,438	2,200	2,438	2,297	2,059	2,153

TEMPKOLD Mini Store	Cubic capacity	Tare Weight	Max. Weight	Door opening (mm)		Max. Payload
Dimensions	m ³	kg	kg	Width	Height	kg
8ft	9.15	1,000	2,500	1,280	1,997	1,500

Dimensions shown are typical and variances are possible.

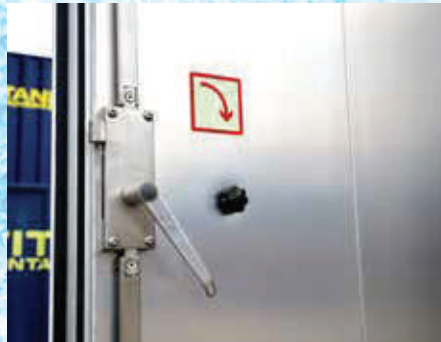
FEATURES

- + Reliable and affordable mobile refrigerated storage
- + Can be used on the ground or on a trailer
- + Can be towed by a car
- + Standard 220V Single-Phase refrigeration
- + Hygienic food grade stainless steel and aluminium panels and floor

- + Easy-open door with internal release
- + LED light and alarm
- + Perfect for private and commercial events and party catering



PLUG IN
AND USE



TEMPKOLD HOTSTORE

Experience warm storage solutions



FROM
+45°C
(+113°F)

TO
+85°C
(+185°F)

SIZES
10'3M
20'6M
40'12M



TEMPKOLD HotStore	External (mm)			Internal (mm)		
	Length	Width	Height	Length	Width	Load height
10ft	2,991	2,438	2,591	2,296	2,292	2,310
20ft	6,058	2,438	2,591	5,363	2,292	2,310
40ft	12,192	2,438	2,896	11,497	2,292	2,605

TEMPKOLD HotStore	Pallets	Max Weight	Tare Weight	Payload
Dimensions	EU	kg	kg	kg
10ft	4	10,160	2,060	8,100
20ft	10	24,000	2,770	21,230
40ft	22	30,480	4,650	25,830

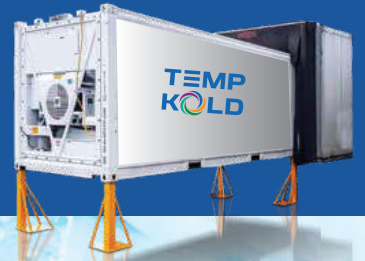
Dimensions shown are typical and variances are possible.

FEATURES

- + High insulation value
- + Flat anti-slip aluminium floor
- + 220V LED internal lights
- + Maximum temperatures depend on the type of heat system used in the container:
 - With electric heating upto +65 °C
 - With external gas heater upto +85 °C at special request
- + Internal stainless steel wall panels
- + Thermostat to set temperature
- + Mantrap Alarm
- + Foundations or even ground is NOT required
- + Self bearing on the 4 corners



TEMPKOLD STORE ACCESSORIES



MAKE A GREAT USER EXPERIENCE EVEN BETTER WITH SUITABLE ACCESSORIES AND ADD-ON SERVICES

SUPPORT LEGS FOR ELEVATION



RANGE OF DIFFERENT RAMPS



GEN SET: CLIP ON GENERATOR



TRANSPORT SERVICES



NOISE REDUCING CABINS



SHELVES AND RACKING



BESPOKE REFRIGERATED STORAGE YOU DREAM IT, WE PRODUCE IT!

- + Additional or alternative doors to meet your needs
- + Wall and floor reinforcements
- + Special / bespoke sizes
- + Dual temperature zones
- + Anterooms and docking stations
- + Seamless connections to existing buildings
- + Modular processing plants with storage and human service facilities
- + Fire extinguishers, racks, cages, meat hangers, trolleys, etc...
- + Abattoirs, restaurants, cafes, etc...



MOVING TO A GREENER FUTURE

A cluster of three bright green leaves with visible veins, positioned in the upper right corner of the page.

TEMPKOLD Store's goal is to phase out all fossil fuel consumption by 2028, creating homemade green energy

Our plan is to replace all cars and vans with electric vehicles by 2024 and annually replace 15-20% of container handlers and lorries with environmentally friendly electric alternatives. We have also started installing solar panels in our depot locations worldwide to power our offices.

We have our environmental and climate policy communicated in the Code of Conduct signed by our suppliers and we continuously search for subcontractors engaged in protecting the environment.

Our Tropical TEMPKOLDStore models bring lower energy consumption with increased insulation and we are beginning trials of our solar powered ArcticStores. To measure our success, TEMPKOLD is ISO 14001 certified and all energy consumables are now being recorded annually.

WE CARE

Aerial view of a dark blue ocean with numerous white icebergs of various sizes scattered across the surface.

SOLAR POWER REDUCING ENERGY COSTS

Solar panels generate free energy to assist the power of the refrigerated containers

During daylight hours the roof mounted solar cells generate energy that is used to power the refrigeration. When more power is collected than the refrigeration needs or whilst the refrigeration is in “pause mode” surplus electricity generated flows back to your power connection and will be used elsewhere in your grid. At night the refrigeration runs solely on the grid supply.

Full independent off-grid operation is also available upon request. A hybrid of extra solar panels, batteries and diesel generators are several options based on local conditions to provide off-grid power.



SOLAR POWERED COLD STORAGE



Required Number Of Solar Panels



10 pieces

Required Number Of Batteries



10 pieces



Model Name	SOLAR COLD ROOM
Cooling Capacity	1410 watt
Temperature Range	0/+4°C
Evaporation Temperature	-8°C
Condensing Temperature	40/45°C
Compressor Type	Hermetic
Compressor Displacement	15,2cc
Compressor Power	3/4 Hp
Compressor Power Input	690 watt
Compressor Current	3,24 A
Insulation Type	Sandwich Panel
Panel Surface	Poly
Door Type	Hinged PVC+PVC
Floor Surface Material	Playwood
Solar Panels	Mono Crystal
Batteries	200 Ah 12V Gel Battery
Battery Dimensions / Weight	52x27x24cm-6kg
Inverter	Sine Wave Smart Inverter
Total Unit Weight	
Dimensions (WxLxh)	2200x8500x2450 mm
Chassis	Containerized (30ft)
Energy	220V-50hz - 1Ph
Electric Board	Include (Schneider)
Refrigerant	R404a

SOLAR POWERED COLD STORAGE



Required Number of Solar Panels



20 pieces

Required Number of Batteries



12 pieces



Model Name	SOLAR FROST ROOM
Cooling Capacity	2167 watt
Temperature Range	-18 °C/-23°C
Evaporation Temperature	-25 °C
Condensing Temperature	40 °C /45 °C
Compressor Type	Hermetic
Compressor Displacement	54, 3 cc
Compressor Power	2 Hp
Compressor Power Input	1652 watt
Compressor Current	7,44 A
Insulation Type	Sandwich Panel
Panel Surface	Poly
Door Type	Hinged PVC+PVC
Floor Surface Material	Playwood
Solar Panels	Mono Crystal
Batteries	Gel Battery
Inverter	Sine Wave Smart Inverter
Total Unit Weight	
Dimensions (WxLxh)	2200x8500x2450 mm
Chassis	Containerized (30ft)
Energy	220V-50hz - 1Ph
Electric Board	Include (Schneider)
Refrigerant	R404a



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