



## TECHNICAL DATA

**300050 Dry Ice Container IT100**  
100 kg/220 lbs box with lid and gasket

**Weight empty:**

kg: 26  
lbs: 57

**External dimensions** Length x Width x Height:  
mm: 800 x 590 x 670  
inch: 31,4 x 23,2 x 26,3

**Internal dimensions** Length x Width x Height:  
mm: 650 x 439 x 345  
inch: 25,5 x 17,2 x 13,5

**Dry ice capacity:**

kg: 60 (3 mm pellets)  
lbs: 132 (.118 inch/rice-sized)

**Net volume:**

L: 99  
gal: 26,1

**300051 Dry Ice Container IT200**  
200 kg/440 lbs box with lid and gasket

**Weight empty:**

kg: 37  
lbs: 81

**External dimensions** Length x Width x Height:  
mm: 800 x 590 x 980  
inch: 31,4 x 23,2 x 38,5

**Internal dimensions** Length x Width x Height:  
mm: 650 x 439 x 683  
inch: 25,5 x 17,2 x 26,8

**Dry ice capacity:**

kg: 120 (3 mm pellets)  
lbs: 264 (.118 inch/rice-sized)

**Net volume:**

L: 193  
gal: 50,9

**300052 Dry Ice Container IT300**  
300 kg/661 lbs box with lid and gasket

**Weight empty:**

kg: 50  
lbs: 110

**External dimensions** Length x Width x Height:  
mm: 800 x 800 x 980  
inch: 31,4 x 31,4 x 38,5

**Internal dimensions** Length x Width x Height:  
mm: 650 x 650 x 683  
inch: 25,5 x 25,5 x 26,8

**Dry ice capacity:**

kg: 200 (3 mm pellets)  
lbs: 440 (.118 inch/rice-sized)

**Net volume:**

L: 285  
gal: 75,2

**300053 Dry Ice Container IT500**  
500 kg/1102 lbs box with lid and gasket

**Weight empty:**

kg: 70  
lbs: 154

**External dimensions** Length x Width x Height:  
mm: 1175 x 800 x 980  
inch: 46,2 x 31,4 x 38,5

**Internal dimensions** Length x Width x Height:  
mm: 1024 x 650 x 683  
inch: 40,3 x 25,2 x 26,8

**Dry ice capacity:**

kg: 350 (3 mm pellets)  
lbs: 771 (.118 inch/rice-sized)

**Net volume:**

L: 450  
gal: 118,8

**300054 Dry Ice IT Pallet**

**Dimensions** Length x Width x Height:  
mm: 1175 x 800 x 196  
inch: 46,2 x 31,4 x 7,71  
kg: 17  
lbs: 37

**300055 Dry Ice IT Dolly**

**Dimensions** Length x Width x Height:  
mm: 800 x 590 x 266  
inch: 31,4 x 23,2 x 10,4  
kg: 21  
lbs: 46  
Max. load: 300 kg / 661 lbs



## For storage DRY ICE CONTAINERS



# DRY ICE CONTAINERS

**Safe, capacious and handy**  
**Dry Ice Containers from IceTech A/S**

The dry ice containers are manufactured from polyethylene and are insulated with polyurethane. The effective insulation ensures that loss of dry ice through evaporation (sublimation) is reduced to a minimum.

## CONTAINERS WITH MANY ADVANTAGES

- Lightweight.
- Reduction of waste due to maximum insulation of both lid and container as well as special gasket in lid.
- The special design secures safety and easy handling.
- Measurements acc. to EURO pallets advancing max. utilization of space during transport.
- Stackable modular constructed containers.
- Different sizes to meet all purposes.



Dry ice pellets with a diameter of 3 mm (rice-sized) are used as blasting agent. The pellets consist of solid CO<sub>2</sub> at a temperature of -79°C/-110°F.



## EVAPORATION TEST HG500KG U-VALUE CALCULATIONS

Determination of U-value of Dry Ice Container, using actual sublimation data at ambient temperature 23.9° C.

IT500KG DRY ICE PELLET					
Loss in hours		Gross weight	Net weight	Total loss	
After 0 hr		432 kg/952 lbs	362 kg/798 lbs	0 kg/0 lbs	0 %
After 5½ hr		428 kg/943 lbs	358 kg/789 lbs	4 kg/8.8 lbs	1.1 %
After 11 hr		426 kg/939 lbs	356 kg/785 lbs	6 kg/13 lbs	1.6 %
After 68½ hr		385.5 kg/850 lbs	315.5 kg/695.5 lbs	46.5 kg/102.5 lbs	12.8 %
After 72 hr		383 kg/844 lbs	313 kg/690 lbs	49 kg/108 lbs	13.5 %

IT500KG DRY ICE BLOCK					
Loss in hours		Gross weight	Net weight	Total loss	
After 0 hr		594 kg/1309 lbs	524 kg/1155 lbs	0 kg/0 lbs	0 %
After 5 hr		590 kg/1300 lbs	520 kg/1146 lbs	4 kg/8.8 lbs	0.8 %
After 10½ hr		587.5 kg/1295 lbs	517.5 kg/1139 lbs	6.5 kg/14 lbs	1.2 %
After 68 hr		548.5 kg/1209 lbs	478.5 kg/1055 lbs	45.5 kg/100 lbs	8.7 %
After 72 hr		545 kg/1201 lbs	475 kg/1047 lbs	49 kg/108 lbs	9.3 %

## CONSUMPTION RATE:

1. Total 49 kg/108 lbs / 72 hr = 0.68/1.49 kg/hr (369btu/hr (108.1W/hr))
2. Cool down (first 5 hr) 4 kg/ 8.8 lbs / 5 hr = 0.8 /1.76 kg/hr (433btu/hr (126.8W/hr))
3. Steady state (next 67 hr) 45 kg/ 99 lbs / 67 hr = 0.67/1.47 kg/hr (364btu/hr (106.6W/hr))

# DRY ICE BLASTING EQUIPMENT

**THE CLEANING SYSTEM OF THE FUTURE**

