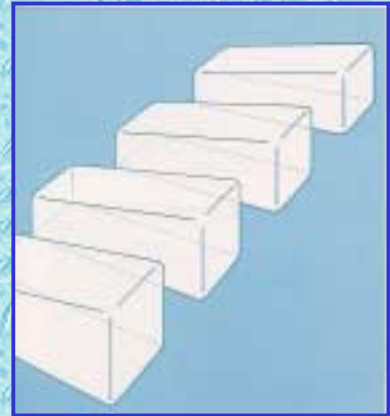


# BLOCK ICE SYSTEMS



# BLOCK ICE MACHINES

## GENERAL DESCRIPTION;

Ice moulds under a tank of water are enclosed in a sealed brine tank. When cold brine is circulated through the sealed tank ice blocks are formed in the moulds. The ice generator is made from stainless steel and when the blocks are complete, determined by a built-in time clock, the cold brine is replaced by warm brine. This thaws the surface of the blocks, which being freed float up to the surface of the water and are carried out by special conveyor.

The plant is completely automatic in operation and needs no operators. The blocks can be delivered to your store by wooden chute. A "semi-automatic" version is also available.

## HARVESTING;

All Block Ice plants are designed to operate 24 hours per day, but, since the time required for freezing of the different sizes of block varies from 12 hours to nearly 2 days, the frequency of harvesting the blocks also varies as follows:

- 25 kg (266x140x1016 mm Blocks)  
-Half the output every 12 hours.
- 25kg (190x190x1117 mm Blocks)  
-Continuously through day and night.
- 50kg (406x185x990 mm Blocks)  
-Once a day.
- 137kg (559x279x1194 mm Blocks)  
-Once a day.

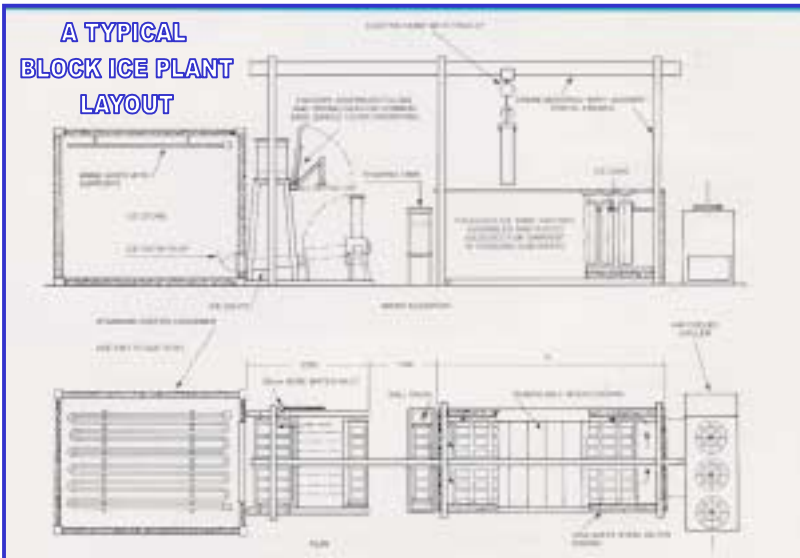
## RAW MATERIALS;

Reasonably pure water (or sea water) for ice making and plant cooling, and electric power. Only a very small amount of chemicals are required annually for plant maintenance. If electric power is not available, a suitable Generating Set can be supplied.

## LABOUR REQUIRED ;

The mechanical Harvesting Gear can be operated by one man, but in practice two men are normally employed for all larger plants to facilitate ice handling.

Fully Automatic "**SCOTTISH ICEBERG**" Plants require *no* labour except for ice handling after it has been delivered by the Plant.



**BlockICE MACHINE CAPACITIES**  
(Number of Blocks)

Output (Tonnes / day)	25 kg Blocks 266x140x1016 mm	25 kg Blocks 190x190x1117 mm	50kg Blocks 406x185x990 mm	137 kg Blocks 559x279x1194 mm
5	200	200	100	37
7.5	300	300	150	56
10	400	400	200	73
15	600	600	300	110
20	800	800	400	146
25	1000	1000	500	183
30	1200	1200	600	219
40	1600	1600	800	292
50	2000	2000	1000	365
100	4000	4000	2000	730

## TYPES OF BLOCKICEPLANT AVAILABLE;

**"P.I.P."** - Air-cooled Small Manual Plants - **0.5-3 Tonnes/Day.**

**"PACKAGED"** -Fully Packaged Plants assembled in days. R22 Air / Evaporative cooled **3-20 Tonnes/Day.**

**"Series E"** -Kit Plants with Packaged Chiller. Ammonia or R22 Evaporative Cooled **5-100Tonnes/Day.**

## SCOTTISH ICEBERG;

Fully Automatic Block Ice plants. 1-3 Tonnes/Day. The patented "Scottish Iceberg" automatic block ice plant offers ease of operation for small block ice plants with the following advantages:

Completely automatic 25kg Standard blocks Stainless steel icemaker 1-3 ton modules Costs little more than traditional plants



## ORDERING INFORMATION;

To enable us to provide a fully detailed offer, the following information should be provided:

- Which type of plant is preferred?
- Size of Ice block?
- Output (Tonnes) required per 24 hours?
- Location?
- What electric power is available?
- Is good quality water available?
- Ice Store required?



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