

# Coldroom Heat Load Calculation Data



Customer:	<input type="text"/>	Contact:	<input type="text"/>
Phone:	<input type="text"/>	Site Reference:	<input type="text"/>
Email:	<input type="text"/>	Fax:	<input type="text"/>

**Application** : Select required application

- |                         |                    |                  |             |
|-------------------------|--------------------|------------------|-------------|
| Ice Cream               | Pre-Frozen Food    | Meat Chiller     | Fresh Fish  |
| General Purpose Chiller | Fruit & Vegetables | Preparation Room | Beer Celler |

## Required Room Temperature

 °C

## Design Ambient Temperature

 °C Coldroom  °C Condensing Unit

## Internal Dimensions

Length	Width	Height
<input type="text"/> m	<input type="text"/> m	<input type="text"/> m

## External Dimensions

Length	Width	Height
<input type="text"/> m	<input type="text"/> m	<input type="text"/> m

(For L shaped or irregular shaped rooms please include a diagram showing dimensions)

## Product Load

How much product enters the room per 24hrs  kgs

At what temperature  °C

How quickly must the product reach room temperature  °C

If product load information is not available we will base selections on 75kgs/m<sup>3</sup> of room volume entering per 24 hrs at 5°C above room temperature

## Insulation

 : Select insulation type

### Walls

Thickness  mm

- Polystyrene
- Polyurethane
- Un-Insulated

### Ceiling

Thickness  mm

- Polystyrene
- Polyurethane
- Un-Insulated

### Floor

Thickness  mm

- Polystyrene
- Polyurethane
- Un-Insulated

## Additional Loads

### Door Usage

- Light
- Medium
- Heavy

### Lighting

<input type="text"/>	watts
<input type="text"/>	hrs

### Fork Lift

hrs per day

### Machinery

<input type="text"/>	Kw
<input type="text"/>	hrs

### No. of People

hrs per day

## Electricity Supply

- 240/1/50Hz
- 440/3/50Hz

## Compressor Starting

- DOL
- Start/Delta
- Part Wind

## Condensing Unit Type

- Hermetic
- Semi-Hermetic
- Scroll
- Compressor/Receiver Remote Condenser
- Air Cooled Condenser
- Water Cooled Condenser
- Un-Housed
- Housed

## Evaporator Type

- Panel
- Cubic
- Dual Discharge

## Refrigerant

- R404A
- R134a
- R407C

How many:

Other:

## Pipe Run

Total Run	<input type="text"/>	m
Vertical	<input type="text"/>	m
Horizontal	<input type="text"/>	m

## Any Special Requirements:

[Click here to Submit the form to info@rcscutt.co.uk](#)