

# Cooling Plant Sizing Summary for ALT1 - Chiller Plant

Hospital Lumiar\_1  
ISEL

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## 1. Plant Information:

Plant Name ..... **ALT1 - Chiller Plant**  
Plant Type ..... **Chiller Plant**  
Design Weather ..... **Lisbon, Portugal**

## 2. Cooling Plant Sizing Data:

Maximum Plant Load ..... **90,1** kW  
Load occurs at ..... **Jul 1700**  
m<sup>2</sup>/kW ..... **7,3** m<sup>2</sup>/kW  
Floor area served by plant ..... **658,7** m<sup>2</sup>

## 3. Coincident Air System Cooling Loads for Jul 1700

Air System Name	Mult.	System Cooling Coil Load ( kW )
UTAN ESP.	1	2,5
UTAN GERAL + VE	1	87,6

System loads are for coils whose cooling source is ' Chilled Water ' .