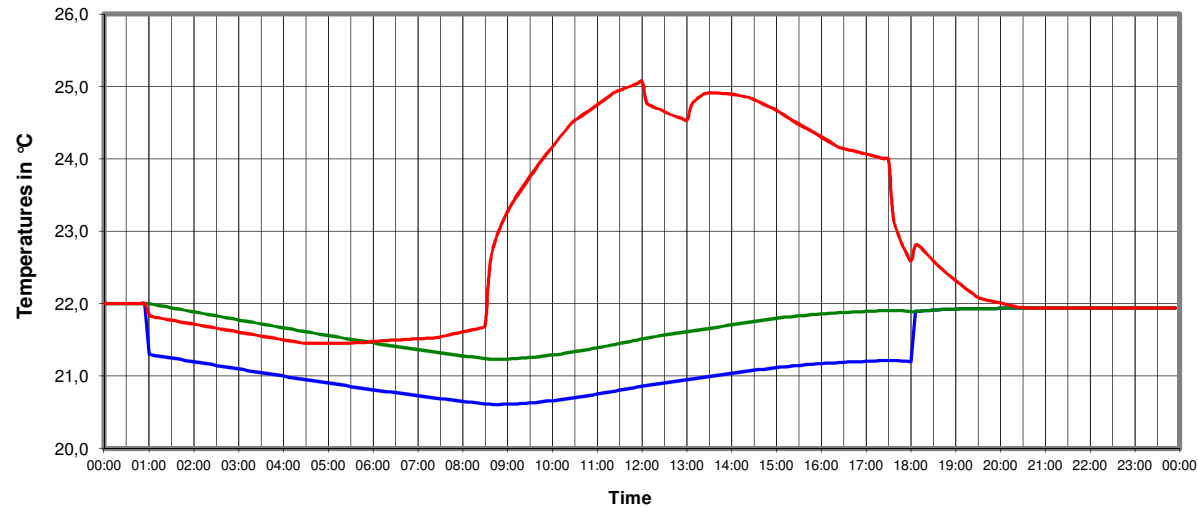


System Simulation for Concret Core Cooling with Supply Air Daily Temperature-Development Month : July / Orientation : South Initial Day



Operation Data

Inside Heat Gain 30 W/m²
Outside Heat Gain 30 W/m²
Total 60 W/m²

Air Condition Morning Day Evening
On 01:00:00 o'clock
Off 18:00:00 o'clock

Inside Heat Gain
On 08:30:00 o'clock
Noon Start 12:00:00 o'clock
Inside Heat Gain During Noon 60%
Noon End 13:00:00 o'clock
Off 17:30:00 o'clock

Amount of Air 10,00 m³/hm²

Start-Up Temperatures:

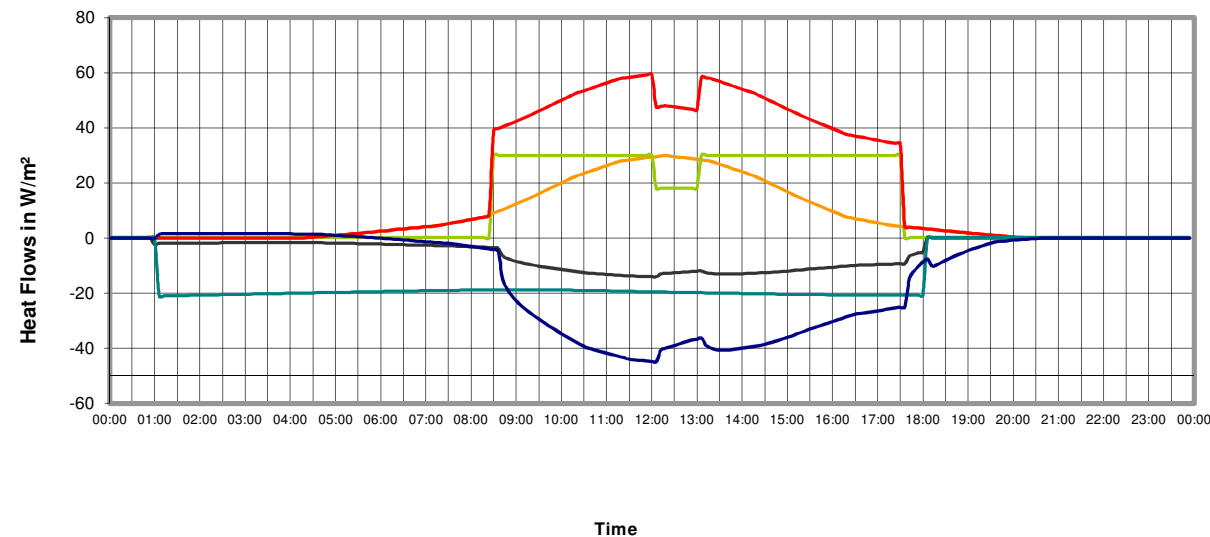
Ceiling 22 °C
Room 22 °C
Supply Air 15 °C
Tmax 25,1
Tend 21,9 °C

Temperatures

Displacement Air
Ceiling
Room

With Double Floor

Heat Flows



Heat Flows

Outside Heat Gain
Inside Heat Gain
Total Heat Gain
Room-Displacement Air
Ceiling-Supply Air
Room-Ceiling

Project:

PSB Addis Abeba

Bereich

Meeting V = 10,0 m³/hm² / 60 W/m²

designed by:

Burgenmeister



Seit 1877

Kiefer

Luft- und Klimatechnik

Erstellt : 25.5.2012
F&E - V7.2/26.04.12-Na/CK

The shown simulation has only orienting character. The simulation is not legally binding.