**建筑能效测评报告书**

居住建筑

|  |  |
| --- | --- |
| 工程名称 | 重庆场镇巴渝民居20世纪后典型住宅(绿色改造后） |
| 工程地点 | 重庆-重庆 |
| 设计编号 |  |
| 建设单位 |  |
| 设计单位 |  |
| 设 计 人 |  |
| 审 核 人 |  |
| 审 定 人 |  |
| 设计日期 | 2021年2月21日 |



|  |  |
| --- | --- |
| 采用软件 | 能耗计算BESI2020 |
| 软件版本 | 20190808 |
| 研发单位 | 北京绿建软件有限公司 |
| 正版授权码 | T13531616900 |

**目 录**

[1 建筑概况 3](#_Toc64805699)

[2 测评依据 4](#_Toc64805700)

[3 围护结构 4](#_Toc64805701)

[3.1 工程材料 4](#_Toc64805702)

[4 标识建筑 5](#_Toc64805703)

[4.1 房间类型 5](#_Toc64805704)

[4.1.1 房间表 5](#_Toc64805705)

[4.1.2 作息时间表 5](#_Toc64805706)

[4.2 系统类型 5](#_Toc64805707)

[4.3 制冷系统 6](#_Toc64805708)

[4.3.1 多联机/单元式空调能耗 6](#_Toc64805709)

[4.4 供暖系统 6](#_Toc64805710)

[4.4.1 多联机/单元式热泵能耗 6](#_Toc64805711)

[5 比对建筑 6](#_Toc64805712)

[5.1 房间类型 6](#_Toc64805713)

[5.1.1 房间表 6](#_Toc64805714)

[5.1.2 作息时间表 7](#_Toc64805715)

[5.2 系统类型 7](#_Toc64805716)

[5.3 制冷系统 7](#_Toc64805717)

[5.4 供暖系统 7](#_Toc64805718)

[6 计算结果 7](#_Toc64805719)

[7 附录 11](#_Toc64805720)

[7.1 工作日/节假日人员逐时在室率(%) 11](#_Toc64805721)

[7.2 工作日/节假日照明开关时间表(%) 11](#_Toc64805722)

[7.3 工作日/节假日设备逐时使用率(%) 12](#_Toc64805723)

[7.4 工作日/节假日空调系统运行时间表(1:开,0:关) 13](#_Toc64805724)

# 建筑概况

|  |  |  |
| --- | --- | --- |
| 工程名称 | 重庆场镇巴渝民居20世纪后典型住宅(绿色改造后） | |
| 工程地点 | 重庆-重庆 | |
| 地理位置 | 北纬：29.58° | 东经：106.47° |
| 建筑面积(m2) | 地上515 地下0 | |
| 建筑层数 | 地上5 地下0 | |
| 建筑高度（m） | 地上19.2 地下0.0 | |
| 建筑体积(m3) | 1605.62 | |
| 建筑外表面积(m2) | 764.50 | |
| 北向角度 | -7 | |
| 结构类型 |  | |
| 外墙太阳辐射吸收系数 | 0.75 | |
| 屋顶太阳辐射吸收系数 | 0.74 | |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | | 标识建筑 | | | 比对建筑 | | |
| 体形系数S | | 0.48 | | | 0.48 | | |
| 屋顶传热系数K [W/(m2·K)] | | 0.60 | | | 0.80 | | |
| 外墙（包括非透明幕墙）传热系数K [W/(m2·K)] | | 0.71 | | | 1.20 | | |
| 屋顶透明部分传热系数  K [W/(m2·K)] | | － | | | － | | |
| 屋顶透明部分遮阳系数 | | － | | | － | | |
| 底面接触室外的架空或外挑楼板传热系数K [W/(m2·K)] | | 1.00 | | | 1.20 | | |
| 楼板K [W/(m2·K)] | | 0.47 | | | 0.47 | | |
| 分户墙K [W/(m2·K)] | | 1.85 | | | 2.00 | | |
| 外窗（包括透明幕墙） | 朝向 | 窗墙比 | 传热  系数 | 遮阳  系数 | 窗墙比 | 传热  系数 | 遮阳  系数 |
| 南向 | 0.00 | － | － | 0.00 | － | － |
| 北向 | 0.06 | 2.20 | 0.40 | 0.06 | 3.20 | 1.00 |
| 东向 | 0.26 | 2.20 | 0.40 | 0.26 | 2.80 | 1.00 |
| 西向 | 0.20 | 2.20 | 0.40 | 0.20 | 3.20 | 1.00 |

# 测评依据

1. 《建筑能效标识技术标准》(JGJ/T 288-2012)

2. 标准1：《重庆市居住建筑节能65%设计标准》（DBJ50-071-2010）

3. 标准2：《民用建筑热工设计规范》(GB50176)

4. 标准3：《建筑外门窗气密，水密，抗风压性能分级及检测方法》（GB/T 7106-2008）

5. 标准4：《建筑幕墙》（GB/T 21086-2007）

# 围护结构

## 工程材料

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 材料名称 | 导热系数λ | 蓄热系数S | 密度ρ | 比热容Cp | 蒸汽渗透系数u | 备注 |
| W/(m.K) | W/(㎡.K) | kg/m3 | J/(kg.K) | g/(m.h.kPa) |
| 水泥砂浆 | 0.930 | 11.370 | 1800.0 | 1050.0 | 0.0210 | 来源：《民用建筑热工设计规范》GB50176-2016 |
| 石灰砂浆 | 0.810 | 10.070 | 1600.0 | 1050.0 | 0.0443 | 来源：《民用建筑热工设计规范》GB50176-2016 |
| 钢筋混凝土 | 1.740 | 17.200 | 2500.0 | 920.0 | 0.0158 | 来源：《民用建筑热工设计规范》GB50176-2016 |
| 细石混凝土保护层 | 1.510 | 15.892 | 2500.0 | 920.0 | 0.0000 |  |
| 碎石、卵石混凝土(ρ=2300)（1） | 1.510 | 15.360 | 2300.0 | 920.0 | 0.0173 | 蒸汽渗透系数为测定值 |
| 灰色柔性劈开砖 | 0.810 | 34.770 | 1800.0 | 880.0 | 0.1050 | 建筑材料手册（第四版） |
| 米色地砖 | 1.090 | 1.000 | 2090.0 | 1.0 | 0.0000 | 建筑材料手册（第四版）比热容、蓄热系数、渗透系数未给出 |
| 防光板 | 0.450 | 6.886 | 1380.0 | 1050.0 | 0.0000 |  |
| 铝 | － | － | － | － | － | 蒸汽渗透系数没有给出 |
| （夏季）垂直空气间层（δ=60） | 0.100 | 0.094 | 1.2 | 1005.0 | 0.0000 | 选此材料时厚度设定为50mm |
| 水泥砂浆面层 | 0.930 | 11.370 | 1800.0 | 1050.0 | 0.0210 | 蒸汽渗透系数为测定值 |
| 保温砂浆 | 0.290 | 4.440 | 800.0 | 1050.0 | 0.0000 | 蒸汽渗透系数没有给出 |
| （夏季）热流向上（水平、倾斜δ>=60） | 0.462 | 0.201 | 1.2 | 1005.0 | 0.0000 | 选此材料时厚度设定为60mm |
| 纸面石膏板 | 0.330 | 5.144 | 1050.0 | 1050.0 | 0.0000 |  |
| 普通粘土砖 | 0.810 | 10.551 | 1800.0 | 1050.0 | 0.0080 |  |
| 弹性聚合物粘结砂浆 | 0.930 | 11.370 | 1800.0 | 1062.0 | 0.0000 |  |
| 钢丝网（0.8\*12\*12） | 0.063 | 0.710 | 100.0 | 1100.0 | 0.0000 |  |
| 水体 | 0.470 | 5.560 | 1000.0 | 920.0 | 0.0000 | 建筑材料手册（第四版）渗透系数未给出 |
| 粘接剂 | 0.870 | 10.750 | 1700.0 | 1050.0 | 0.0000 |  |
| 聚苯板(EPS板) | 0.041 | 0.287 | 20.0 | 1380.0 | 0.0000 |  |
| 涂料 | 0.060 | 3.160 | 400.0 | 5720.3 | 0.0000 |  |
| 夯实粘土(ρ=2000) | 1.160 | 13.054 | 2000.0 | 1010.0 | 0.0000 |  |
| 聚合物砂浆（网格布） | 0.930 | 11.306 | 1800.0 | 1050.0 | 0.0000 |  |

# 标识建筑

## 房间类型

### 房间表

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 房间类型 | 空调温度 ℃ | 供暖温度 ℃ | 新风量 | 人员密度 | 照明功率 密度 | 电器设备 功率 |
| 主卧室 | 26 | 18 | 0.5(次/h) | 32(㎡/人) | 6(W/㎡) | 5(W/㎡) |
| 卫生间 | － | － | 0.5(次/h) | 0(㎡/人) | 6(W/㎡) | 0(W/㎡) |
| 厨房 | － | － | 0.5(次/h) | 0(㎡/人) | 6(W/㎡) | 24(W/㎡) |
| 楼梯间 | － | － | 0(m3/h.人) | 0(㎡/人) | 0(W/㎡) | 0(W/㎡) |
| 次卧室 | 26 | 18 | 0.5(次/h) | 32(㎡/人) | 6(W/㎡) | 5(W/㎡) |
| 空房间 | － | － | 0(m3/h.人) | 0(㎡/人) | 0(W/㎡) | 0(W/㎡) |
| 过厅 | 26 | 18 | 0.5(次/h) | 32(㎡/人) | 6(W/㎡) | 5(W/㎡) |
| 餐厅 | 26 | 18 | 0.5(次/h) | 32(㎡/人) | 6(W/㎡) | 5(W/㎡) |

### 作息时间表

详见附录

## 系统类型

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 系统编号 | 系统类型 | 供冷 能效比 | 供热 能效比 | 面积(㎡) | 包含的房间 |
| 默认 | 单元式房间空调器 | 3.00 | 3.00 | 33.39 | 2007(2),3008(3),3005(3),4001(4) |
| Sys | 单元式房间空调器 | 3.00 | 3.00 | 65.75 | 1004(1),1002(1),1001(1) |
| Sys0 | 单元式房间空调器 | 3.00 | 3.00 | 68.71 | 2010(2),2009(2),2008(2),2005(2),2004(2),2003(2),2002(2),2001(2) |
| Sys1 | 单元式房间空调器 | 3.00 | 3.00 | 60.76 | 3010(3),3009(3),3007(3),3004(3),3003(3),3002(3),3001(3) |
| Sys2 | 单元式房间空调器 | 3.00 | 3.00 | 60.95 | 4010(4),4009(4),4008(4),4007(4),4006(4),4005(4),4004(4),4002(4) |

## 制冷系统

### 多联机/单元式空调能耗

|  |  |  |  |
| --- | --- | --- | --- |
| 系统 | 能效比 | 耗冷量(kWh) | 耗电量(kWh) |
| Sys | 3.00 | 2423 | 808 |
| Sys0 | 3.00 | 3516 | 1172 |
| Sys1 | 3.00 | 3130 | 1043 |
| Sys2 | 3.00 | 3427 | 1142 |
| 默认 | 3.00 | 0 | 0 |
| 合计 | 3.00 | 12496 | 4165 |

## 供暖系统

### 多联机/单元式热泵能耗

|  |  |  |  |
| --- | --- | --- | --- |
| 系统 | 能效比 | 耗热量(kWh) | 耗电量(kWh) |
| Sys | 3.00 | 2596 | 865 |
| Sys0 | 3.00 | 2789 | 930 |
| Sys1 | 3.00 | 2621 | 874 |
| Sys2 | 3.00 | 4116 | 1372 |
| 默认 | 3.00 | 0 | 0 |
| 合计 | 3.00 | 12121 | 4040 |

# 比对建筑

## 房间类型

### 房间表

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 房间类型 | 空调温度 ℃ | 供暖温度 ℃ | 新风量 | 人员密度 | 照明功率 密度 | 电器设备 功率 |
| 主卧室 | 26 | 18 | 0.5(次/h) | 32(㎡/人) | 6(W/㎡) | 5(W/㎡) |
| 卫生间 | － | － | 0.5(次/h) | 0(㎡/人) | 6(W/㎡) | 0(W/㎡) |
| 厨房 | － | － | 0.5(次/h) | 0(㎡/人) | 6(W/㎡) | 24(W/㎡) |
| 楼梯间 | － | － | 0(m3/h.人) | 0(㎡/人) | 0(W/㎡) | 0(W/㎡) |
| 次卧室 | 26 | 18 | 0.5(次/h) | 32(㎡/人) | 6(W/㎡) | 5(W/㎡) |
| 空房间 | － | － | 0(m3/h.人) | 0(㎡/人) | 0(W/㎡) | 0(W/㎡) |
| 过厅 | 26 | 18 | 0.5(次/h) | 32(㎡/人) | 6(W/㎡) | 5(W/㎡) |
| 餐厅 | 26 | 18 | 0.5(次/h) | 32(㎡/人) | 6(W/㎡) | 5(W/㎡) |

### 作息时间表

同标识建筑

## 系统类型

|  |  |  |  |
| --- | --- | --- | --- |
| 系统类型 | 供冷 能效比 | 供热 能效比 | 包含房间 |
| 单元式房间空调器 | 2.80 | 2.80 | 所有房间 |

## 制冷系统

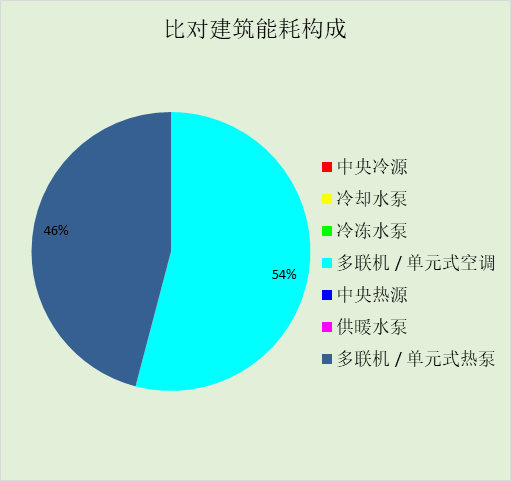
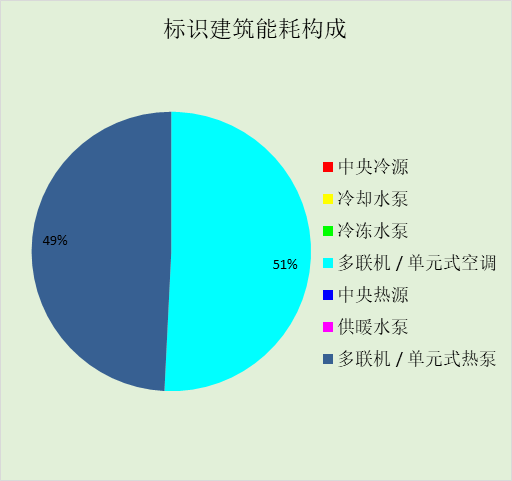
|  |  |  |  |
| --- | --- | --- | --- |
| 系统类型 | 供冷 能效比 | 冷负荷 (kWh) | 电耗(kWh) |
| 单元式房间空调器 | 2.80 | 18947 | 6767 |

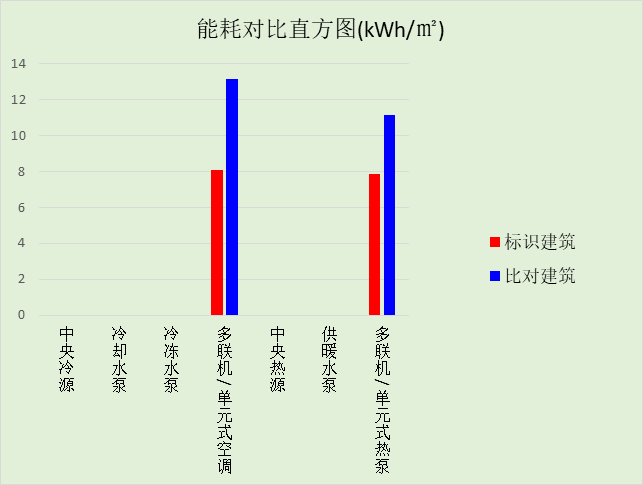
## 供暖系统

|  |  |  |  |
| --- | --- | --- | --- |
| 系统类型 | 供热 能效比 | 热负荷 (kWh) | 电耗(kWh) |
| 单元式房间空调器 | 2.80 | 16078 | 5742 |

# 计算结果

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 能耗分类 | 能耗子类 | 标识建筑  (kWh/㎡) | 比对建筑  (kWh/㎡) | 基础建筑  (kWh/㎡) | 比对节能率  （%） | 基础节能率  （%） |
| 建筑负荷 | 耗冷量 | 24.26 | 36.78 | 105.09 | 34.04% | 76.92% |
| 耗热量 | 23.53 | 31.21 | 89.18 | 24.61% | 73.61% |
| 冷热合计 | 47.79 | 68.00 | 194.28 | 29.71% | 75.40% |
| 供冷电耗 | 中央冷源 | 0.00 | 0.00 | 0.00 | 38.44% | 78.45% |
| 冷却水泵 | 0.00 | 0.00 | 0.00 |
| 冷冻水泵 | 0.00 | 0.00 | 0.00 |
| 多联机/单元式空调 | 8.09 | 13.14 | 37.53 |
| 供冷合计 | 8.09 | 13.14 | 37.53 |
| 供暖电耗 | 中央热源 | 0.00 | 0.00 | 0.00 | 29.64% | 75.37% |
| 供暖水泵 | 0.00 | 0.00 | 0.00 |
| 多联机/单元式热泵 | 7.84 | 11.15 | 31.85 |
| 供暖合计 | 7.84 | 11.15 | 31.85 |
| 采暖空调电耗 | | 15.93 | 24.28 | 69.38 | 34.40% | 77.04% |





# 附录

## 工作日/节假日人员逐时在室率(%)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 房间类型 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 主卧室 | 61 | 61 | 62 | 61 | 61 | 58 | 40 | 21 | 17 | 16 | 15 | 16 | 18 | 18 | 15 | 14 | 14 | 14 | 15 | 18 | 24 | 37 | 52 | 57 |
| 57 | 57 | 58 | 58 | 58 | 59 | 55 | 42 | 30 | 21 | 15 | 14 | 17 | 17 | 14 | 14 | 13 | 13 | 14 | 17 | 23 | 32 | 46 | 52 |
| 卫生间 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 厨房 | 0 | 0 | 0 | 0 | 0 | 7 | 41 | 42 | 9 | 1 | 10 | 41 | 19 | 2 | 0 | 1 | 21 | 71 | 74 | 19 | 2 | 0 | 1 | 0 |
| 0 | 0 | 0 | 0 | 0 | 7 | 41 | 42 | 9 | 1 | 10 | 41 | 19 | 2 | 0 | 1 | 21 | 71 | 74 | 19 | 2 | 0 | 1 | 0 |
| 楼梯间 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 次卧室 | 61 | 61 | 62 | 61 | 61 | 58 | 40 | 21 | 17 | 16 | 15 | 16 | 18 | 18 | 15 | 14 | 14 | 14 | 15 | 18 | 24 | 37 | 52 | 57 |
| 57 | 57 | 58 | 58 | 58 | 59 | 55 | 42 | 30 | 21 | 15 | 14 | 17 | 17 | 14 | 14 | 13 | 13 | 14 | 17 | 23 | 32 | 46 | 52 |
| 空房间 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 过厅 | 16 | 16 | 16 | 15 | 16 | 24 | 31 | 19 | 15 | 14 | 14 | 19 | 22 | 19 | 13 | 14 | 18 | 35 | 49 | 54 | 50 | 35 | 21 | 15 |
| 14 | 13 | 13 | 13 | 13 | 18 | 22 | 24 | 29 | 32 | 34 | 37 | 35 | 32 | 26 | 28 | 33 | 39 | 44 | 47 | 45 | 34 | 23 | 16 |
| 餐厅 | 16 | 16 | 16 | 15 | 16 | 24 | 31 | 19 | 15 | 14 | 14 | 19 | 22 | 19 | 13 | 14 | 18 | 35 | 49 | 54 | 50 | 35 | 21 | 15 |
| 14 | 13 | 13 | 13 | 13 | 18 | 22 | 24 | 29 | 32 | 34 | 37 | 35 | 32 | 26 | 28 | 33 | 39 | 44 | 47 | 45 | 34 | 23 | 16 |

注：上行：工作日；下行：节假日

## 工作日/节假日照明开关时间表(%)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 房间类型 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 主卧室 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 | 50 | 50 | 10 | 10 | 10 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 | 50 | 50 | 10 | 10 | 10 |
| 卫生间 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 0 |
| 厨房 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 0 |
| 楼梯间 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 0 |
| 次卧室 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 | 50 | 50 | 10 | 10 | 10 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 50 | 50 | 50 | 10 | 10 | 10 |
| 空房间 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 0 |
| 过厅 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 100 | 100 | 100 | 100 | 50 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 100 | 100 | 100 | 100 | 50 |
| 餐厅 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 100 | 100 | 100 | 100 | 50 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 100 | 100 | 100 | 100 | 50 |

注：上行：工作日；下行：节假日

## 工作日/节假日设备逐时使用率(%)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 房间类型 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 主卧室 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 70 | 10 | 10 | 10 | 10 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 70 | 10 | 10 | 10 | 10 |
| 卫生间 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 厨房 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 楼梯间 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 次卧室 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 70 | 10 | 10 | 10 | 10 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 70 | 10 | 10 | 10 | 10 |
| 空房间 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 过厅 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 69 | 69 | 23 | 23 | 23 | 23 | 23 | 100 | 100 | 100 | 100 | 69 |
| 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 69 | 69 | 23 | 23 | 23 | 23 | 23 | 100 | 100 | 100 | 100 | 69 |
| 餐厅 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 69 | 69 | 23 | 23 | 23 | 23 | 23 | 100 | 100 | 100 | 100 | 69 |
| 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 69 | 69 | 23 | 23 | 23 | 23 | 23 | 100 | 100 | 100 | 100 | 69 |

注：上行：工作日；下行：节假日

## 工作日/节假日空调系统运行时间表(1:开,0:关)

采暖期：

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 系统编号 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 默认 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sys | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Sys0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Sys1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Sys2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

供冷期：

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 系统编号 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 默认 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sys | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Sys0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Sys1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Sys2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

注：上行：工作日；下行：节假日