# Fan Test Sheet

| | | | |
|---|---|---|---|
| **Project:** | Joe and the Juice | **System:** | AHU-1 |
| **Location:** | 1st Floor | **Serves:** | 1st Floor |
| **Tech:** | Luca Damaro | **Date:** | 01/24/23 |

| **Fan Data** | |
|---|---|
| Make: | Goodman |
| Model: | GKS91155DXAF |
| Serial No.: | 1201478964 |

| **Air Flow Data** | | |
|---|---|---|
| | Design | Actual |
| Total | 1,990 | 740 |
| | | |
| | | |

| **Static Pressure** | | |
|---|---|---|
| Total Design: | 0.70 | in.w.c. |
| Suction: | | in.w.c. |
| Discharge: | | in.w.c. |
| Total Actual: | | in.w.c. |

| **Motor Data** | | | |
|---|---|---|---|
| HP: | 1.0 | RPM: | |
| Phase: | 1 | SF: | 1.15 |
| | Rated | | Actual |
| Volts: | 115 | | 113 |
| Amps: | 13.20 | | 6.20 |
| Hz: | 60 | | 60 |

| **Drive Data** | | |
|---|---|---|
| | Size | Bore |
| Motor | | |
| Fan | | |
| Belts | Direct Drive | |
| Centerline Dist. | | |
| | Design | Actual |
| Fan RPM | | |

Notes:

Unit shut down before testing completed; could not restart.
Filters not installed on unit.
Could not gain access to inspect coils; assumed dirty as fan is dirty.

# Outlet Test Sheet

| | | | |
|---|---|---|---|
| **Project:** | Joe and the Juice | | |
| **System:** | AHU-1 | **Location:** | 1st Floor |
| **Tech:** | Luca Damaro | **Date:** | 01/24/23 |

| Area Served | Outlet | | | | | Design | | Final | | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| | Drwg | No. | Type | Size | Ak | FPM | CFM | FPM | CFM | |
| 1st Floor | M-100 | 1 | CD | | DR | | 50 | | | Not cut in |
| 1st Floor | M-100 | 2 | CD | | DR | | 150 | | | Not cut in |
| 1st Floor | M-100 | 3 | CD | | DR | | 500 | | | Not cut in |
| 1st Floor | M-100 | 4 | CD | | DR | | 50 | | | Not cut in |
| 1st Floor | M-100 | 5 | SG | 12x6 | 0.35 | 459 | 160 | 452 | 158 | |
| 1st Floor | M-100 | 6 | SG | 12x6 | 0.35 | 459 | 160 | 61 | 21 | |
| 1st Floor | M-100 | 7 | SG | 12x6 | 0.35 | 459 | 160 | 382 | 133 | |
| 1st Floor | M-100 | 8 | SG | 12x6 | 0.35 | 459 | 160 | 301 | 105 | |
| 1st Floor | M-100 | 9 | SG | 12x6 | 0.35 | 574 | 200 | 244 | 85 | |
| 1st Floor | M-100 | 10 | SG | 12x6 | 0.35 | 574 | 200 | 294 | 102 | |
| 1st Floor | M-100 | 11 | SG | 12x6 | 0.35 | 574 | 200 | 390 | 136 | |
| 1st Floor | M-100 | 12 | SG | 12x6 | 0.35 | 574 | 200 | 379 | 132 | |
| | | | | | | | 1990 | | 740 | |
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| Notes: | | | | | | | | | | |
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# Fan Test Sheet

| | | | |
|---|---|---|---|
| **Project:** | Joe and the Juice | **System:** | AHU-2 |
| **Location:** | Cellar | **Serves:** | Cellar |
| **Tech:** | Luca Damaro | **Date:** | 01/24/23 |

| **Fan Data** | |
|---|---|
| Make: | |
| Model: | |
| Serial No.: | |

| **Air Flow Data** | | |
|---|---|---|
| | Design | Actual |
| Total | 900 | 1109 |
| | | |
| | | |

| **Static Pressure** | | |
|---|---|---|
| Total Design: | 0.50 | in.w.c. |
| Suction: | -0.14 | in.w.c. |
| Discharge: | 0.67 | in.w.c. |
| Total Actual: | 0.81 | in.w.c. |

| **Motor Data** | | | |
|---|---|---|---|
| HP: | | RPM: | |
| Phase: | | SF: | 1.15 |
| | Rated | | Actual |
| Volts: | 208 | | 208 |
| Amps: | | | 1.7 |
| Hz: | 60 | | 60 |

| **Drive Data** | | |
|---|---|---|
| | Size | Bore |
| Motor | | |
| Fan | | |
| Belts | Direct Drive | |
| Centerline Dist. | | |
| | Design | Actual |
| Fan RPM | | |

| **Duct** | | | | | **Design** | | **Actual** | | | | **Notes** |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **No.** | **Height** | **Width** | **Insul.** | **Area** | **FPM** | **CFM** | **AFPM** | **CFM** | **SP** | **%** | |
| 1 | 14 | 19 | | 1.85 | 487 | 900 | 727 | 1,343 | | 149% | Return |
| 2 | | | | | | | | | | | |
| | | | | | | | | | | | |

Notes:

No fan plate.
Filters not installed.
Coil dirty.
Discharges into flex.

# Outlet Test Sheet

| | | | |
|---|---|---|---|
| **Project:** | Joe and the Juice | | |
| **System:** | AHU-2 | **Location:** | Cellar |
| **Tech:** | Luca Damaro | **Date:** | 01/24/23 |

| Area Served | Outlet | | | | | Design | | Final | | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| | Drwg | No. | Type | Size | Ak | FPM | CFM | FPM | CFM | |
| Cellar | M-100 | 13 | SG | 8x8 | 0.29 | 778 | 225 | 116 | 34 | |
| Cellar | M-100 | 14 | SG | 8x8 | 0.29 | 778 | 225 | 161 | 47 | |
| Cellar | M-100 | 15 | SG | 8x8 | 0.29 | 778 | 225 | 352 | 102 | |
| Cellar | M-100 | 16 | SG | 8x8 | 0.29 | 778 | 225 | 566 | 164 | |
| Cellar | M-100 | 17 | SG | 8x8 | 0.29 | 778 | 225 | 787 | 228 | |
| Cellar | M-100 | 18 | SG | 8x8 | 0.29 | 778 | 225 | 966 | 279 | |
| Cellar | M-100 | 19 | SG | 8x8 | 0.29 | 778 | 225 | 887 | 257 | |
| | | | | | | | 900 | | 1109 | |
| | | | | | | | | | | |
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| Notes: | | | | | | | | | | |
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# Abbreviation List

| Abbreviation | Meaning | Abbreviation | Meaning |
|---|---|---|---|
| p | Air Changes per Hour | LD | Linear Diffuser |
| AFPM | Actual Feet per Minute | LR | Linear Return |
| AHU | Air Handling Unit | LWT | Leaving Water Temperature |
| Ak | Area Factors | MA | Mixed Air |
| AMPS | Amperages | MAU, MUA | Make-Up Air Unit |
| BHP | Brake Horsepower | Max | Maximum |
| BMS | Building Management System | MBH | Thousand BTUs per Hour |
| BR | Bottom Return | Mfr | Manufacturer |
| BTU | British Thermal Unit | Min | Minimum |
| CD | Ceiling Diffuser | N/A | Not Available, Not Accessible |
| CEF | Ceiling Exhaust Fan | No. | Number |
| CF | Cabinet Fan | OA | Outside Air |
| CF for DDC | BMS Correction Factor | OBD | Opposed Blade Damper |
| CFM | Cubic Feet per Minute | OD | Outside Diameter |
| CH | Chiller | OED | Open End Duct |
| CHWC, CC | Chilled Water Coil, Cooling Coil | PSI | Pounds per Square Inch |
| CR | Ceiling Return | RA | Return Air |
| CS | Circuit Setter | RCP | Radiant Ceiling Panel |
| CT | Cooling Tower | Rdgs | Readings |
| CV | Constant Volume | Req'd | Required |
| dB | Decibel | RG | Return Grille |
| Dia | Diameter | RGD(s) | Register(s), Grille(s), Diffuser(s) |
| Dist | Distribution | RHC | Reheat Coil |
| dP, DP | Differential Pressure | Rm Press | Room Pressure |
| DR | Direct Read | RP | Radiant Panel |
| Drwg | Drawing | RPM | Revolutions per Minute |
| EADB | Entering Air Dry Bulb | RR | Return Register |
| EAWB | Entering Air Wet Bulb | RTU | Roof Top Unit |
| EF | Exhaust Fan | SA | Supply Air |
| EG | Exhaust Grille | SD | Supply Diffuser |
| ER | Exhaust Register | SG | Supply Grille |
| ESP | External Static Pressure | SL | Slot |
| EWT | Entering Water Temperature | SNRKL | Snorkel |
| EX / EXH | Exhaust | SP | Static Pressure |
| F | Fahrenheit | SqFt | Square Feet |
| FCU | Fan Coil Unit | SR | Supply Register |
| FLA | Full Load Amperage | Stpt | Setpoint |
| FPB | Fan Powered Box | TADBF | Total Air Delivered by Fan |
| FPM | Feet per Minute | Tech | Technician |
| FtHd | Feet of Head | Temp | Temperature |
| GPM | Gallons per Minute | TF | Thermafuser |
| HP | Horsepower | TR | Top Register |
| HWC, HC | Hot Water Coil, Heating Coil | Trav | Traverse |
| HX | Heat Exchanger | TSP | Total Static Pressure |
| Hz | Hertz | V | Volt / Voltage |
| incw | Inches Water Column | VAV | Variable Air Volume |
| Insul | Insulation | VFD | Variable Frequency Drive |
| kW | Kilowatt | WMS | Wire Mesh Screen |
| LADB | Leaving Air Dry Bulb | | |
| LAWB | Leaving Air Wet Bulb | | |