



National TAB

Project: CW 3300 - Suite 180 Senske
Address: 3300 Olympus Blvd Dallas, TX 75019

Asset: VRF1-4-4

Area: 107

| Unit Data | |
|------------|-----------------|
| MFG | mitsubishi |
| Model Num | TPEFYP012MA144A |
| Serial Num | 4XR0738430P90W |

| Test Data | | |
|---------------|--------|---------|
| | Design | Actual |
| SA CFM | 370 | 398 |
| Fan RPM | | MED-LOW |
| OA CFM | 140 | 98 [1] |
| RA CFM | 230 | 300 |
| RL Voltage | 208 | 213 |
| RL Amperage | 0.89 | 0.5 |
| Suction ESP | | -0.03 |
| Discharge ESP | | 0.04 |
| Total ESP | 0.5 | 0.07 |
| Brake HP | | 0.06 |

| Motor Data | |
|------------------|----------|
| Motor MFG | INTERTEK |
| Horsepower | 0.114 |
| Motor Rpm | NA |
| Phase | 1 |
| Voltage (rated) | 208 |
| Amperage (rated) | 0.89 |

| Asset | Area Served | Type | Size | DESIGN CFM | Prelim CFM | FINAL CFM | % to design |
|-----------------|-------------|------|------|------------|------------|------------|-------------|
| 44-1 | 107 | F | 8X8 | 92 | 99 | 99 | 1.08 |
| 44-2 | 107 | F | 8X8 | 93 | 97 | 97 | 1.04 |
| 44-2 | 107 | F | 8X8 | 93 | 102 | 102 | 1.10 |
| 44-2 | 107 | F | 8X8 | 92 | 100 | 100 | 1.09 |
| VRF1-4-4 | | | | 370 | 398 | 398 | 1.08 |
| | | | | | | | |
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NOTES:
 [1] OUTSIDE AIR DAMPER WAS 100% OPEN DURING TIME OF TESTING.



National TAB

Project: CW 3300 - Suite 180 Senske
Address: 3300 Olympus Blvd Dallas, TX 75019

Asset: VRF1-4-6

Area: 162

| Unit Data | |
|------------|-----------------|
| MFG | MITSUBISHI |
| Model Num | TPEFYP030MA145A |
| Serial Num | 48R0038530P30F |

| Motor Data | |
|------------------|----------|
| Motor MFG | INTERTEK |
| Horsepower | 0.402 |
| Motor Rpm | NA |
| Phase | 1 |
| Voltage (rated) | 208 |
| Amperage (rated) | 3.01 |

| Test Data | | |
|---------------|--------|---------|
| | Design | Actual |
| SA CFM | 1090 | 1418 |
| Fan RPM | | HIGH |
| OA CFM | 465 | 284 [1] |
| RA CFM | 625 | 1134 |
| RL Voltage | 208 | 213 |
| RL Amperage | 3.01 | 3.0 |
| Suction ESP | | -0.10 |
| Discharge ESP | | 0.04 |
| Total ESP | 0.5 | 0.14 |
| Brake HP | | 0.4 |

| Asset | Area Served | Type | Size | DESIGN CFM | Prelim CFM | FINAL CFM | % to design |
|-----------------|-------------|------|------|-------------|-------------|-------------|-------------|
| 46-1 | 162 | D | 14X6 | 260 | 218 | 285 | 1.10 |
| 46-2 | 162 | D | 14X6 | 260 | 223 | 271 | 1.04 |
| 46-3 | 162 | D | 8X8 | 260 | 158 | 274 | 1.05 |
| 46-4 | 162 | D | 8X8 | 260 | 198 | 268 | 1.03 |
| 46-5 | 162 | D | 8X8 | 260 | 176 | 268 | 1.03 |
| 46-6 | 161 | D1 | 6X6 | 50 | 74 | 52 | 1.04 |
| VRF1-4-6 | | | | 1350 | 1047 | 1418 | 1.05 |
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NOTES:

[1] OSA DAMPER WAS 100% OPEN DURING TIME OF TESTING. OSA IS AT 61% OF DESIGN.



National TAB

Project: CW 3300 - Suite 180 Senske
Address: 3300 Olympus Blvd Dallas, TX 75019

Asset: VRF1-5-5

Area: 139

| Unit Data | |
|------------|-----------------|
| MFG | MITSUBISHI |
| Model Num | TPEFYP018MA145A |
| Serial Num | 4XR0098330P30E |

| Motor Data | |
|------------------|----------|
| Motor MFG | INTERTEK |
| Horsepower | 0.162 |
| Motor Rpm | NA |
| Phase | 1 |
| Voltage (rated) | 208 |
| Amperage (rated) | 2.03 |

| Test Data | | |
|---------------|--------|---------|
| | Design | Actual |
| SA CFM | 685 | 703 |
| Fan RPM | | MED-LOW |
| OA CFM | 160 | 109 [1] |
| RA CFM | 525 | 594 |
| RL Voltage | 208 | 214 |
| RL Amperage | 2.03 | 0.8 |
| Suction ESP | | -0.05 |
| Discharge ESP | | 0.09 |
| Total ESP | 0.5 | 0.14 |
| Brake HP | | 0.06 |

| Asset | Area Served | Type | Size | DESIGN CFM | Prelim CFM | FINAL CFM | % to design |
|-----------------|-------------|------|-------|------------|------------|------------|-------------|
| 55-1 | 140 | A | 8 | 110 | 66 | 107 | 0.97 |
| 55-2 | 141 | A | 8 | 70 | 112 | 71 | 1.01 |
| 55-3 | 139 | D | 12X10 | 185 | 181 | 196 | 1.06 |
| 55-4 | 139 | D | 12X10 | 185 | 180 | 197 | 1.06 |
| 55-5 | 142 | A | 8 | 70 | 115 | 70 | 1.00 |
| 55-6 | 127 | A | 8 | 65 | 109 | 62 | 0.95 |
| VRF1-5-5 | | | | 685 | 763 | 703 | 1.03 |
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NOTES:

[1] OUTSIDE AIR DAMPER WAS 100% OPEN DURING TIME OF TESTING.



National TAB

Project: CW 3300 - Suite 180 Senske
Address: 3300 Olympus Blvd Dallas, TX 75019

Asset: VRF1-6-5

Area: 128

| Unit Data | |
|------------|-----------------|
| MFG | MITSUBISHI |
| Model Num | TPEFYP030MA145A |
| Serial Num | 48R0038330P30F |

| Motor Data | |
|------------------|----------|
| Motor MFG | INTERTEK |
| Horsepower | 0.402 |
| Motor Rpm | NA |
| Phase | 1 |
| Voltage (rated) | 208 |
| Amperage (rated) | 3.01 |

| Test Data | | |
|---------------|--------|--------|
| | Design | Actual |
| SA CFM | 1255 | 1214 |
| Fan RPM | | MEDIUM |
| OA CFM | 215 | 201 |
| RA CFM | 1040 | 1013 |
| RL Voltage | 208 | 212 |
| RL Amperage | 3.01 | 1.8 |
| Suction ESP | | -0.05 |
| Discharge ESP | | 0.11 |
| Total ESP | 0.5 | 0.16 |
| Brake HP | | 0.24 |

| Asset | Area Served | Type | Size | DESIGN CFM | Prelim CFM | FINAL CFM | % to design |
|-----------------|-------------|------|------|-------------|-------------|-------------|-------------|
| 65-1 | 128 | A | 8 | 215 | 154 | 197 | 0.92 |
| 65-2 | 128 | A | 8 | 215 | 110 | 200 | 0.93 |
| 65-3 | 128 | A | 8 | 215 | 210 | 207 | 0.96 |
| 65-4 | 128 | A | 8 | 215 | 162 | 220 | 1.02 |
| 65-5 | 128 | A | 8 | 215 | 163 | 218 | 1.01 |
| 65-6 | 129 | A | 8 | 65 | 200 | 61 | 0.94 |
| 65-7 | 130 | A | 8 | 65 | 134 | 64 | 0.98 |
| 65-8 | 131 | D1 | 6X6 | 50 | 53 | 47 | 0.94 |
| VRF1-6-5 | | | | 1255 | 1186 | 1214 | 0.97 |



National TAB

Project: CW 3300 - Suite 180 Senske
Address: 3300 Olympus Blvd Dallas, TX 75019

Asset: VRF1-7-1

Area: 132

| Unit Data | |
|------------|-----------------|
| MFG | MITSUBISHI |
| Model Num | TPEFYP048MA144A |
| Serial Num | 4ZR0305730P914 |

| Motor Data | |
|------------------|----------|
| Motor MFG | INTERTEK |
| Horsepower | 0.402 |
| Motor Rpm | NA |
| Phase | 1 |
| Voltage (rated) | 208 |
| Amperage (rated) | 3.09 |

| Test Data | | |
|---------------|--------|---------|
| | Design | Actual |
| SA CFM | 1270 | 1282 |
| Fan RPM | | MED-LOW |
| OA CFM | 200 | 149 [1] |
| RA CFM | 1070 | 1133 |
| RL Voltage | 208 | 211 |
| RL Amperage | 3.09 | 1.4 |
| Suction ESP | | -0.06 |
| Discharge ESP | | 0.16 |
| Total ESP | 0.5 | 0.22 |
| Brake HP | | 0.18 |

| Asset | Area Served | Type | Size | DESIGN CFM | Prelim CFM | FINAL CFM | % to design |
|-----------------|-------------|------|------|-------------|-------------|-------------|-------------|
| 71-1 | 132 | C | 8 | 225 | 230 | 230 | 1.02 |
| 71-2 | 132 | A | 8 | 195 | 208 | 208 | 1.07 |
| 71-3 | 132 | C | 8 | 215 | 202 | 202 | 0.94 |
| 71-4 | 132 | C | 8 | 225 | 212 | 212 | 0.94 |
| 71-5 | 132 | A | 8 | 195 | 195 | 195 | 1.00 |
| 71-6 | 132 | C | 8 | 215 | 235 | 235 | 1.09 |
| VRF1-7-1 | | | | 1270 | 1282 | 1282 | 1.01 |
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NOTES:

[1] OUTSIDE AIR DAMPER WAS 100% OPEN DURING TIME OF TESTING.



National TAB

Project: CW 3300 - Suite 180 Senske
Address: 3300 Olympus Blvd Dallas, TX 75019

Asset: VRF1-7-3

Area: 132

| Unit Data | |
|------------|-----------------|
| MFG | MITSUBISHI |
| Model Num | TPEFYP024MA144A |
| Serial Num | 34R0336130P90Z |

| Test Data | | |
|---------------|--------|---------|
| | Design | Actual |
| SA CFM | 880 | 872 |
| Fan RPM | | MED-LOW |
| OA CFM | 100 | 67 [1] |
| RA CFM | 780 | 805 |
| RL Voltage | 208 | 212 |
| RL Amperage | 2.03 | 0.8 |
| Suction ESP | | -0.03 |
| Discharge ESP | | 0.15 |
| Total ESP | 0.5 | 0.18 |
| Brake HP | | 0.06 |

| Motor Data | |
|------------------|----------|
| Motor MFG | INTERTEK |
| Horsepower | 0.162 |
| Motor Rpm | NA |
| Phase | 1 |
| Voltage (rated) | 208 |
| Amperage (rated) | 2.03 |

| Asset | Area Served | Type | Size | DESIGN CFM | Prelim CFM | FINAL CFM | % to design |
|-----------------|-------------|------|------|------------|------------|------------|-------------|
| 73-1 | 132 | C | 8 | 215 | 195 | 195 | 0.91 |
| 73-2 | 132 | C | 8 | 225 | 231 | 231 | 1.03 |
| 73-3 | 132 | C | 8 | 215 | 225 | 225 | 1.05 |
| 73-4 | 132 | C | 8 | 225 | 221 | 221 | 0.98 |
| VRF1-7-3 | | | | 880 | 872 | 872 | 0.99 |
| | | | | | | | |
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NOTES:

[1] OUTSIDE AIRE DAMPER WAS 100% OPEN DURING TIME OF TESTING.

National TAB

Project: CW 3300 - Suite 180 Senske
Address: 3300 Olympus Blvd Dallas, TX 75019

Asset: EF1-2

| Unit Data | |
|------------|---------|
| MFG | BROAN |
| Model Num | L250E-A |
| Serial Num | 42J25H |
| Type | CABINET |

| Motor Data | |
|------------------|-------------|
| Motor MFG | BROAD-OCEAN |
| Frame | NA |
| Horsepower | 0.02 |
| Motor Rpm | 833 |
| Phase | 1 |
| Voltage (rated) | 120 |
| Amperage (rated) | 0.53 |
| Service Factor | NA |

| Test Data | | |
|-------------|--------|--------------|
| | Design | Actual |
| CFM | 200 | 206 |
| Fan RPM | 1000 | DIRECT DRIVE |
| RL Voltage | 120 | 121 |
| RL Amperage | 0.53 | 0.4 |
| Suction ESP | | -0.06 |
| Total ESP | 0.5 | 0.06 |
| | | 0.02 |