AMBIENT CONDITIONS:

- Gas: Air
- Relative Humidity: 80%
- Molecular Weight: 28.393
- k-Value (ratio of specific heats): 1.395
- Specific Gravity: 0.980
- Ambient Temperature: 100 deg F
- Ambient Pressure: 14.70 PSIA
- Elevation: 0 Feet

INPUT CONDITIONS:

- Actual Volume: 272 ICFM
- Standard Volume: 240 SCFM
- Mass/Weight Flow: 19 lb/min
- System Inlet Pressure: 14.7 PSIA
- Inlet Pressure Drop: 0.3 PSI
- Blower Inlet Pressure: 14.4 PSIA
- System Discharge Pressure: 14.0 PSIG
- Discharge Pressure Drop: 0.2 PSI
- Blower Discharge Pressure: 28.9 PSIA
- Inlet Temperature: 100 deg F

STANDARD CONDITIONS:

- Pressure: 14.7 PSIA
- Temperature: 68 deg F
- Relative Humidity: 36%

BLOWER PERFORMANCE:

- Blower Model: 404 RootsFlo
- Blower Operating Speed: 3,550 RPM (89% of maximum)
- Blower Shaft Horsepower: 25.8 HP
- Differential Pressure across Blower: 14.50 PSI (97% of maximum)
- Temperature Rise across Blower: 232 deg. F (85% of maximum)
- Blower Discharge Temperature: 332 deg. F
- Estimated Noise @ 1 Meter: 102.9 dBA
- Blower Discharge Volume: 192 ACFM
- Estimated Bearing Life (V-Belt): 15,766 Hours
- Estimated Bearing Life (Coupling): 15,766 Hours
- Gear Tip Speed: 4,185 Feet/Minute
- Connection Sizes (Inlet/Outlet): 4T / 4T