



PROJECT PROFILE

450 Lexington Avenue

Project At a Glance

Location

New York City, New York

Area Served

30,000 sq. ft.

Collaborators

Weickert Industries -- Mechanical Contractor

Situation

The building's 40 HP inline axial fan neared the end of its lifetime. 15 years of operation saw the VFD experience more frequent maintenance issues and failures. Projections to fix the VFD ranged from \$7,000 - \$10,000.

Solution

The kitted FSI Fan System presented as the best option. With quick installation and energy supplier rebates, Q-PAC provided the optimal solution for the project.

Constructed in 1992, 450 Lexington Ave. is a premier Class A office building, exemplifying an understated elegance while maintaining a commanding presence in Midtown Manhattan.

Q-PAC's FSI Fan System combines performance and energy savings in a reliable, polished product.

Challenges

The HVAC system at 450 Lexington Ave. began to show its age-- an inevitable situation. After 15 years of serving the Class A office building, the fan's VFD neared the end of its lifecycle. Quotes for repairs to the 40 HP inline axial fan ranged from \$7,000 - \$10,000. Any like-for-like replacement would require significant effort by the facilities team. The circumstances forced the facilities team to decide between re-investing in repairing the current system or upgrading to something engineered for the future.

Actions

In collaboration with the mechanical contractor, Weickert Industries, and the operations engineering team, Q-PAC designed a customized and integrated solution for 450 Lexington Ave. A complete, kitted concept, the FSI Fan System offered the best option and the most "polished product" to fulfill the office building's priorities-- energy and cost savings first, redundancy and reliability next, and the bonus of supplier rebates. In three 8-hour shifts, the team removed the old system and installed Q-PAC's FSI Fan System.

Results

Q-PAC's Customer Support won the day. As the pilot project for potentially replacing all 30 units over the next three years, the installer commented on the reliability of Customer Support throughout the process-- confirming the team's confidence in the system and application. The modular FSI streamlined the installation process. Supplier rebates totaled \$10,000, generating immediate savings. Once operational, the FSI decreased total energy consumption costs, year-over-year, by \$7,000 - \$9,000. With the installation of a Q-PAC system, the commercial building optimized its overall functionality for the future.

Notable Highlights

- ◉ Energy Supplier Rebates
- ◉ Reliability via redundancy
- ◉ Installed in single weekend
- ◉ Kitted design made installation & AHU access efficient
- ◉ Outstanding Customer Support