



Festus/Crystal City, Missouri
Wastewater Treatment Plant



High Speed Turbo Blower Saves You Money HSI offers tomorrow's technology today

FESTUS, MO – The Festus-Crystal City Sewage Commission facility has a design capacity of three million gallons per day, can handle short peak flow of up to 12 MGD and will accommodate the population of Festus and Crystal City to 2020. The facility once spent a total of \$42,000 in a five-year span to fix three 100 HP positive displacement blowers provided by a well-known competitor.

It was not until May 2009 that HSI partnered with the Festus-Crystal City Sewage Commission to accumulate a total of 38 percent in total energy savings by installing two HSI 75 HP Frame 3 High Speed Turbo (HT-75) units to replace their positive displacement blowers.

“Both of our new HSI HT-75 Turbo units require only 60 percent of the total power to

produce the flow rate of 1380 SCFM at 7.5 PSIG, compared to three positive displacement blowers operating at full capacity,” Wastewater Facility Superintendent David Smith said. “With the help from the HSI High Speed Turbo Blower, we were able to obtain an energy rebate check from our electric provider, Ameren UE, by reducing our facilities energy cost.”

“With the help from the HSI High Speed Turbo Blower, we were able to obtain an energy rebate check from our electric provider.”

*-David Smith,
superintendent*

The Frame 3 Turbo Blowers at the Festus-Crystal City Sewage facility will be operating 24 hours/365 days a year. The High Speed Turbo units have no bear-

ings, belts, gears or oil, and the maintenance is limited to replacing the air filter. With the High Speed Turbo being more energy efficient than traditional types of blowers, it offers an initial investment payback within two to three years from energy savings.

“More friction creates heat, which means less efficiency, and that leads to an increase in amperage which in turn means more kilo-watts being wasted with the PD blowers,” said David Smith. “HSI got it right with the air bearing system. Now we save money from all sides [i.e., maintenance, labor, parts and electricity].”

As the Festus-Crystal City Sewage Commission was determining who was going to be its provider of High Speed Turbo Blowers, it was looking for a company that had fast and



Festus/Crystal City

**David Smith
Superintendent**

**Location
Festus, MO**

**Model
Frame 3**

**Capacity
1380 SCFM**

**Pressure
7.5 PSIG**

**Application
Wastewater Aeration**

**Date of Installation
July 2009**

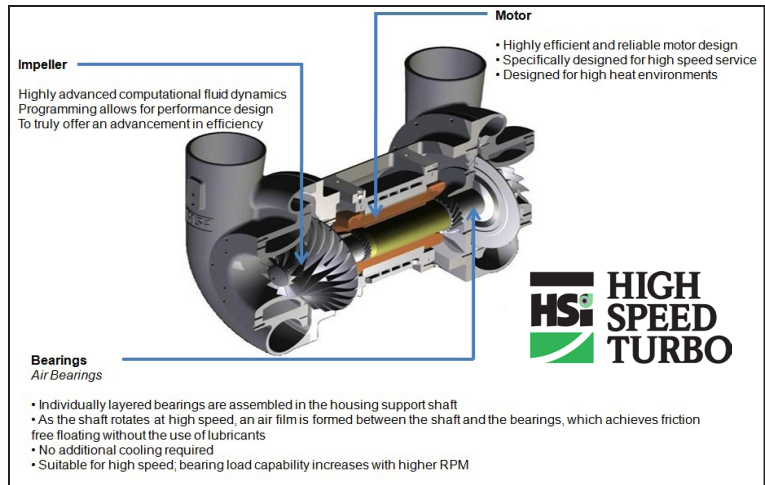


knowledgeable sales/service staff, local representation, cutting edge technology and reliability before and after installation. The companies who brought that vision into fruition were HSI and the local representative, Power Supply Industries.

“Once shipped, HSI was here within one or two days to install. HSI was on top of their game,” Operator Frank Steward said. “As for field service, the technicians that came out to lend a hand were very respectful and responsive to our needs. It was nice to have the dBA lowered from 90 to 72,” Operator Vicki Amsden said.

“HSI is made and tested in the United States. They provide a five-year warranty and promise to ship within 24 hours or it’s free. That type of commitment for our industry is uncommon, it cannot be beat.”

HSI is an ISO 9001-2008 certified manufacturer of High Speed Turbo Blowers, Multistage Centrifugal Blowers, Exhausters and Control Systems. Located in Houston, Texas, with representatives worldwide, HSI houses state-of-the-art engineering, manufacturing and testing capabilities.



Contact your HSI Representative



To learn more about the HSI High Speed Turbo Blower and HSI’s other products, visit www.hsiblowers.com.



7901 Hansen Road | 713-947-1623
Houston, Texas 77061 | Toll-Free: 1-800-725-2291
www.hsiblowers.com | sales@hsiblowers.com

