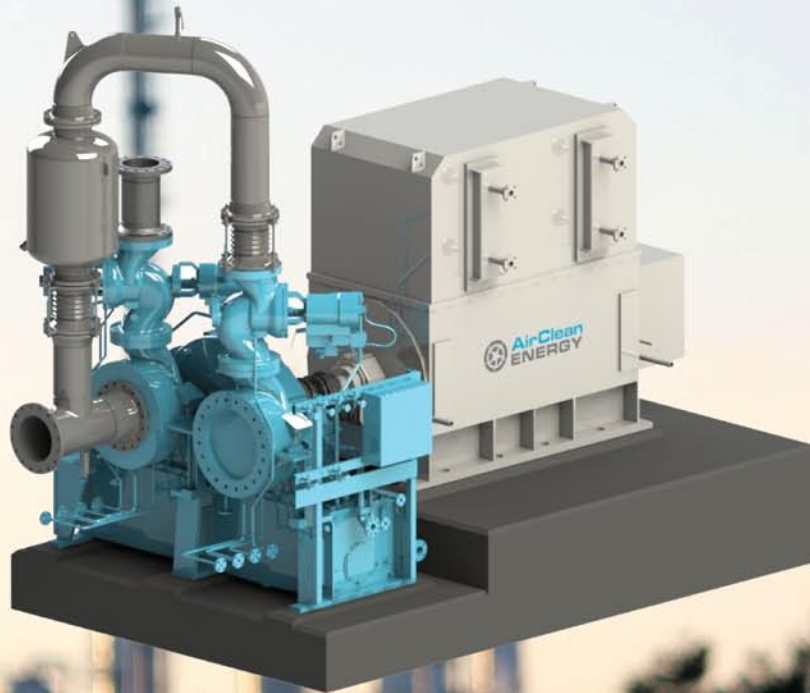


# TURNING PROCESS INTO POWER



*AirClean is revolutionizing ethanol facilities' combined heat and power systems with our high-efficiency, single-stage steam turbine generator. Our simple and robust design reduces maintenance and is more cost-effective than traditional multistage solutions.*

*Contact us to discuss how we can improve your plant's performance.*



**AirClean  
ENERGY**

**[aircleanenergy.com](http://aircleanenergy.com)**

206.860.4930 | [sales@aircleanenergy.com](mailto:sales@aircleanenergy.com)

Engineering | Equipment | Installation

# HIGH EFFICIENCY

## Steam Turbine Generators

*AirClean's axial exhaust high-efficiency steam turbine design is the optimal turbine for ethanol facility power generation. The turbine arrangements can include single or dual turbines on a common gear in back pressure, extraction and condensing designs.*



### DESIGN FEATURES

- ⊗ Quick-start capable - full load in 15 seconds
- ⊗ Machined disk rotor for saturated steam
- ⊗ Lower cost than multi-stage solution
- ⊗ Similar power to multi-stage turbine
- ⊗ Single stage design = lower maintenance
- ⊗ Extremely compact construction
- ⊗ Control valves for high turndown available
- ⊗ +90% thermally efficient
- ⊗ Onsite cogen at less than \$0.03/kWhr

Power Generation Capacity

Up to 12 MWe

Voltages

480/4,160/13,800

Inlet Pressures

Up to 1,900 PSI

Inlet Temperatures

Up to 985°F

Extraction

Up to 90% of inlet steam

Foot Print

9.5' x 20'

[www.aircleanenergy.com](http://www.aircleanenergy.com)

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