

Tecogen[®]

Why **TECOCHILL?**

Natural Gas Engine-Driven Chillers

Commercial and industrial customers will significantly reduce their energy costs using clean, plentiful natural gas.

Lowest Operating Cost

Cut costs by as much as 30% to 60% when compared to conventional electric chillers

Avoid On-Peak Electric Demand Charges & "Time-of-Day" Rates

Integrated Engine & Exhaust Heat Recovery

Free waste heat for domestic hot water, space or process heat

Environmentally Friendly

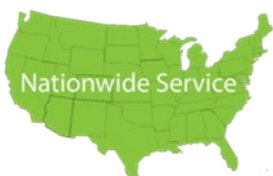
Cut your Carbon by 50%

Ultra-low emissions - SCAQMD compliant

Internet or Phone Remote Monitoring & Control

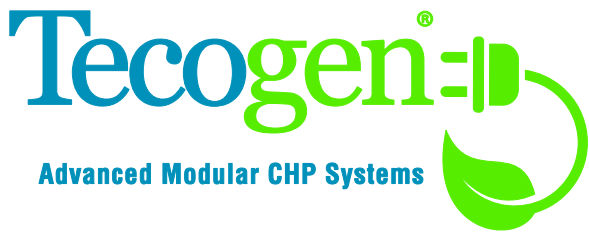
OSHPD and IBC Seismic Certification

ETL Listed



Hundreds of chillers have operated successfully for years in schools, hospitals, nursing homes, hotels, apartments/condos, ice rinks & industrial facilities

Tecogen is the industry leader in engine-driven chillers with over 30 years of experience.



Applications

Ideal for Retrofit or Replacement Applications

- Footprint comparable to an electric chiller
- Easy disassembly for access to mechanical room
- Quiet operation
- Able to utilize existing cooling tower, pumps, and piping in most cases
- Only 2.7 kW single-phase power required for water-cooled units

Versatility:

- Heat recovery options
- Low-temperature applications

TecoNet

- State-of-the-Art microprocessor-based system
- Fully automatic chiller operation
- Precise PID control of building chilled water temperature
- Remote and local fault monitoring
- Fully integrated system monitors and controls both engine and refrigeration system concurrently
- Modbus networking capability for open protocol communication with building management systems, programmable controllers, or between multiple TECOCHILL units for lead/lag operation
- Remote telecommunication system only requires a customer phone line or internet connection

TecoDrive® Engine

TECOCHILL chillers are powered by TecoDrive 7400 engines, industrial versions of the General Motors Mark V 7.4L V8, modified to Tecogen specifications.

- Proven engine design, with over 80 million hours of reliable operation
- Typical engine life of more than 15,000 run-hours

Features:

- Variable-speed operation for exceptional life
- Low-pressure natural gas fuel system
- Optional *Ultra* low-emission package for less than 0.15 gm/bhp-hr of NOx

Heat Recovery Option

- High-temperature heat recovery (up to 225°F) with no additional fuel input
- Heat recovered from engine jacket, oil and exhaust
- Excellent economic bonus for sites with hot water needs

Cost Savings

- Chiller operating costs can be cut by as much as 30% to 60% when compared with conventional electric chillers
- Avoid electric demand charges and “time-of-day” rates
- Variable-speed engine technology yields excellent part-load efficiencies
- Additional savings can be realized by recovering waste engine heat for heating domestic hot water, space heat, process, etc.

Engineering & Support

- Proven, standardized product design
- All units factory run-tested
- ETL listing
- Professional application engineering and service
- Extensive service documentation and training programs

Environmentally Friendly

- Meets ultra-low emissions standards, SCAQMD compliant
- Reduced global warming (lowest fuel input per unit of cooling of any chiller)
- Reduced fossil fuel use
- Reduced CO₂ emissions due to use of natural gas (especially when displacing electricity produced from coal)

Tecogen Service

Tecogen’s extensive service network offers local service for many regions in the United States. Our factory-trained technicians not only provide expertise in the engine and its sub-systems, but their capabilities extend to the entire chiller.

Services:

- Preventative maintenance
- Troubleshooting and repair
- Seasonal start-up and shut-down

TECOGEN Service Locations:

- Massachusetts (headquarters)
- Connecticut
- Detroit
- San Francisco
- New York City/Long Island
- New Jersey
- New York State
- Los Angeles

**OSHPD and IBC
Seismic Certification**



Made In The USA

