

AEGEN THERMOPOWER™ 75 LE

The AEGEN THERMOPOWER™ 75 LE is a low emissions, compact, modular combined heat and power (CHP) system producing 75 kW of power and 5.23 therms of heat per hour. A three-way non-selective catalyst reduction (NSCR) emissions control package includes a catalytic converter and temperature and oxygen controls designed to reduce emissions of nitrogen oxide, carbon monoxide, and hydrocarbons. The CHP module has a natural gas-fired reciprocating engine, an induction generator, heat recovery system, a sound attenuating enclosure, electrical switchgear, and solid-state controls for automatic and unattended operation. High efficiency heat recovery components consist of oil cooler, engine jacket for heat transfer, marine type exhaust gas manifolds and exhaust gas heat exchangers. The AEGEN THERMOPOWER™ 75 LE operates in parallel with existing mechanical and electrical systems in the facility. The module includes an advanced utility-grade relay (U.L., C.S.A., and C.E. listed or certified) for electrical protection and redundancy as standard equipment.

Features

- Reliable, proven technology
- Highly efficient
- Environmentally sound with low emissions
- Quiet operation
- Modular – scaleable into larger systems
- Compact – easily fits in most buildings
- Indoor or outdoor installation
- Ease of installation – no business disruption
- U. L. listed
- Remote monitoring and control
- Digital display and user-friendly interface
- Infinite system life with maintenance program
- Electric and thermal load following
- Modbus compatible for networking with building automation systems



Characteristic	Specification
Electrical Power Output	75 kW
Thermal Output	523,000 Btus/hour
Output Voltage	208V or 460V nominal, 3 phase, 3-wire
Efficiency	82.1% at HHV of 1,020 Btus/scf
Gas Input	930 standard cubic feet per hour (scfh)
Required Gas Pressure	10 to 28 inches water column
Hot Water Flow	22 gallons per minute
Max Output Water Temperature	230°F
Emissions	Meets stringent NY air quality standards
Acoustic Level (enclosed)	70 decibels (dBA) @ 20 feet
Suspension	Vibration isolation mounts
Dimensions	46" width x 89" length x 49" height
Weight	3,050 pounds

AEGENCO™, Inc.

Aegis Generator Company

55 Jackson Street, Holyoke, MA 01040 Phone: (413) 536-1156 Fax: (413) 536-1104