

Be Your Own Utility[®]

ENGINUITY
POWER SYSTEMS

On-Site Combined Heat & Power Control Energy. Protect Operations. Improve ROI.

Grid instability is increasing. Electricity costs are rising. Enginuity's E100 system generates electricity and usable heat on-site — **delivering up to 85% total system efficiency** for high-demand environments.

More control. Less waste. Stronger resilience.



Power for Performance & Control

Traditional generators waste 55–70% of fuel energy. Enginuity systems turn that waste into value.



On-Site Electricity Production

Stabilize long-term energy costs.



Thermal Recovery

Convert waste heat into hot water or process energy.



Reduce Utility Dependence

Maintain continuous operations during outages and grid instability.



Fuel Optimization

Maximize usable output from every unit of natural gas.



3-Year / 8,000- Hour Engine &

Generator Warranty

The longest currently available in the CHP market.

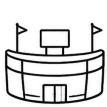
E100 CHP System

Right-sized for mid-scale facilities seeking predictable performance without overbuilding.

- 100kW electric output
- Ultra-low NO emissions
- Launching H2 2026



DISTILLERY



SPORTS FACILITIES



AGRICULTURE OPERATIONS



MULTI-FAMILY HOUSING



SMALL CLINICS

Why E100?



Right-Sized for Mid-Scale Facilities

Designed for organizations that need reliable on-site power without oversizing their energy infrastructure.



Lower Upfront Investment

Access the benefits of CHP with a smaller footprint and lower capital requirements.



Simple Integration

Compact, commercial-ready design for easier installation and deployment.



Reduce Operating Costs

Generate electricity on-site, recover usable heat, and improve overall energy efficiency.

100KW (DRAFT) SPECIFICATIONS

ENGINUITY
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Electric Power Output	Peak	110kW
	Continuous	100kW
	Standby	100kW
	Voltage / Frequency	480VAC / 60Hz
	Output Wiring	3 phase / 4 wire
System Efficiency	Electric Generation Efficiency	30.8%
	Heat Recovery Efficiency	54.2%
	Overall Efficiency	85.0%
Engine	Manufacturer	Hyundai
	No. of Cylinder	6
	Aspiration	Natural Aspiration
Fuel	Fuel Types	Natural Gas, Propane*
	Fuel Pressure - Minimum	5 kPa (20 inch w.c.)
	Fuel Pressure - Maximum	40 kPa (161 inch w.c.)
	Fuel Consumption (flow)	28.5 m ³ /hr (16.8 ft ³ /min)
	Fuel Consumption Rate**	972,700 BTU/hr
	Fuel Connection Port Size	NPT 1-1/2" (40A)
Sound Level	Measured at 9.84ft (3m)	85 dBA
Dimension	Length	2,980 mm (117 in)
	Width	1,630 mm (64 in)
	Height	2,256 mm (89 in)
	Height (with cooling fans)	2,486 mm (98 in)
	Weight (with fluids)	3,100 kg (6,834 lb.)
Thermal Output	Peak	194 kW (662,000 BTU/hr)
	Continuous	183 kW (624,000 BTU/hr)
	Standby	183 kW (624,000 BTU/hr)
Water	Temp difference supply / return (ΔT)	20 °C (36 °F)
	Output Water Temp - Max	95 °C (203 °F)
	Water Flow - Cont. rated	139 LPM (36.7 GPM)
	Water Connection Port Size	2" (50A)

Notes:

*all performance specs are based on natural gas, for detailed performance on propane contact EPS

**based on LHV of 34,129 BTU / m³

Last Updated: March 2026