Capstone Green Energy

Energy Conversion Products

CHILLER CHC (Combined Heat and Cooling)

Arrangement with absorption chillers for A/C applications

Achieve ultra-low emissions and reliable thermal generation.

C65 CHP Configuration + Gas Pack

Electrical [1]

Voltage	400/480 VAC
Electrical Service	3-Phase, 4 Wire Wye
Frequency	50/60 Hz
Tons of refrigeration	30 TR (Approximate cooling output capacity)

Fuel Characteristics[1]

Natural Gas HHV	30.7–47.5 MJ/m3 (825–1,275 BTU/scf)
Inlet Pressure	Regulated by Gas Pack from a minimum inlet Pressure of 5.8 psig (34 kPa)
Fuel Flow HHV	919 MJ/hr (871,000 BTU/hr)
Net Heat Rate LHV	12.9 MJ/kWh (12,200 BTU/kWh)

Exhaust Characteristics[1]

Exhaust Mass Flow	0.49 kg/s (1.08 lbm/s)
Exhaust Gas Temperature	329°C (625°F) (Heat Recovery Bypassed)

Benefits

- Ultra-low emissions
- One moving part – minimal maintenance and downtime
- Patented air bearings – no lubricating oil or coolant
- Compact modular design allows for easy, low-cost installation
- Multiple units easily combined – act as single source
- Remote monitoring and diagnostic capabilities
- Proven technology with tens of millions of operating hours
- Various Factory Protection Plans available

Smarter Energy for a Cleaner Future

Dimensions & Weight[2]

Width x Depth x Height	0.76 x 2.20 x 2.53 m (30 x 87 x 100 in)
Weight - Grid Connect Model, dry	998 kg (2,200 lb)
Weight - Dual Mode Model, dry	1,364 kg (3,000 lb)

Minimum Clearance Requirements[3]

Horizontal Clearance	
Left & Right	0.76 m (30 in)
Front - Grid Connect Model	0.76 m (30 in)
Front - Dual Mode Model	1.65 m (65 in)
Rear	0.76 m (30 in)

ICHP Heat Recovery[4]

Integrated Heat Recovery Module Type	Copper Core
Hot Water Heat Recovery	132kW (0.45 MMBTU/hr)

Acoustic Emissions

Nominal at 10 m (33 ft)	65 dBA

Certifications

- **CE Certified**

Components

(1) Nominal full power performance at ISO conditions: 15˚C (59˚F), 14.696 psia, 60% RH
(2) Approximate dimensions and weights
(3) Clearance requirements may increase due to local code considerations
(4) Nominal heat recovery for water inlet temperature of 60˚C (140˚F) and flow rate of 2.5 l/s (40 GPM)
Specifications are not warranted and are subject to change without notice.

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