



C65 & C65-ICHP Natural Gas MicroTurbine Performance Specifications⁽¹⁾

Electrical Performance

Electrical Power Output	65 kW
Voltage	400 to 480 VAC
Electrical Service	3-Phase
Frequency	50/60 Hz, Grid Connect Operation 10–60 Hz, Stand Alone Operation
Maximum Output Current	100A, Grid Connect Operation 127A, Stand Alone Operation ⁽²⁾
Electrical Efficiency LHV	29%

Fuel/Engine Characteristics

Natural Gas HHV	825 to 1,275 BTU/scf
Inlet Pressure ⁽³⁾	2.9 psig (0.20 barg) utility, 65 psig (4.5 barg) Engine/MT
Fuel Flow LHV	765,000 BTU/hr (807,000 kJ/hr)
Generator Heat Rate LHV	11,000 BTU/kWh (11,600 kJ/kWh)

Exhaust Characteristics

Exhaust Gas Flow	1.08 lb/sec (0.49 kg/s)
Exhaust Gas Temperature	588°F (309°C)

Exhaust Emissions

	C65	C65-ICHP
NOx Emissions @ 15% O ₂	< 5 ppmvd	< 5 ppmvd
NOx/Electrical Output ⁽⁴⁾	< 0.28 lb/MWh (0.095 g/bhp-hr)	< 0.28 lb/MWh (0.095 g/bhp-hr)
NOx/Electrical & Thermal Output ⁽⁵⁾		< 0.10 lb/MWh (0.034 g/bhp-hr)

C65-ICHP Heat Recovery⁽⁶⁾

	C65	C65-ICHP
Integrated Heat Recovery Module Type	Copper Core	Stainless Steel Core
Hot Water Heat Recovery	408,000 BTU/hr (120 kW)	251,000 BTU/hr (74 kW)
Total System Efficiency LHV	82%	62%

Dimensions & Weight

	C65	C65-ICHP
Width x Depth x Height	30 x 77 x 83 inches	30 x 77 x 94 inches
Weight - Grid Connect Model	1,671 lbs (758 kg)	2,200 lbs (1,000 kg)
Weight - Dual Mode Model	2,471 lbs (1,121 kg)	3,000 lbs (1,364 kg)

Certifications

Certified to UL 2200 and UL 1741 for natural gas operation (UL files AU2687, E209370)
 Meets statewide utility interconnection requirements for California Rule 21 and the New York State Public Service Commission
 Materials Equipment Acceptance (MEA) approval for New York City
 Models available with optional equipment for CE Marking
 Certification to California Air Resources Board (60 kw)



C65



C65-ICHP

(1) Nominal full power performance at ISO conditions: 59°F, 14.696 psia, 60% RH
 (2) With linear load
 (3) Inlet pressure for standard natural gas at 1,000 BTU/scf
 (4) Exhaust emissions with methane fuel.
 (5) C65-ICHP exhaust emissions with 408,000 BTU/hr (120 kW) heat recovery.
 (6) Heat recovery for water inlet temperature of 100°F (38°C) and flow rate of 40 GPM (2.5 l/s)
 Specifications are not warranted and are subject to change without notice.