







# High-Pressure Sour Natural Gas

## Microturbine Data Sheet

Achieve ultra-low emissions and reliable electrical generation.



-  Ultra-low emissions
-  One moving part – minimal maintenance and downtime
-  Patented air bearings – no lubricating oil or coolant
-  Modular design allows for easy, low-cost installation
-  Remote monitoring and diagnostic capabilities
-  Proven technology with tens of millions of operating hours

### Electrical Performance<sup>(1)</sup>

	C65	C200S	C600S	C800S	C1000S
Electrical Power Output	65 kW	200 kW	600 kW	800 kW	1000 kW
Voltage	400/480 VAC				
Electrical Service	3-Phase, 4 Wire Wye				
Frequency	50/60 Hz				
Electrical Efficiency LHV	28%	33%			

### Fuel/Engine Characteristics<sup>(1)</sup>

	C65	C200S	C600S	C800S	C1000S
Natural Gas HHV <sup>(2)</sup>	30.7 – 47.5 MJ/m <sup>3</sup> (825 – 1,275 BTU/scf)				
Inlet Pressure	517 – 551 kPa gauge (75 – 80 psig)				
Fuel Flow HHV	919 MJ/hr (871,000 BTU/hr)	2,400 MJ/hr (2,280,000 BTU/hr)	7,200 MJ/hr (6,840,000 BTU/hr)	9,600 MJ/hr (9,120,000 BTU/hr)	12,000 MJ/hr (11,400,000 BTU/hr)
Net Heat Rate LHV	12.9 MJ/kWh (12,200 BTU/kWh)	10.9 MJ/kWh (10,300 BTU/kWh)			

**Smarter Energy  
for a Cleaner Future**

## Exhaust Characteristics<sup>(1)</sup>

	C65	C200S	C600S	C800S	C1000S
<b>NOx Emissions @ 15% O<sub>2</sub></b>	< 9 ppmvd (18 mg/m <sup>3</sup> )				
<b>Exhaust Mass Flow</b>	0.49 kg/s (1.08 lbm/s)	1.3 kg/s (2.9 lbm/s)	4.0 kg/s (8.8 lbm/s)	5.3 kg/s (11.7 lbm/s)	6.7 kg/s (14.7 lbm/s)
<b>Exhaust Gas Temperature</b>	329°C (625°F)	280°C (535°F)			

## Dimensions & Weight<sup>(3)</sup>

	C65	C200S	C600S	C800S	C1000S
<b>W x D x H</b>	0.76 x 1.95 x 2.08 m (30 x 77 x 82 in)	3.0 x 2.5 x 3.0 m (117 x 100 x 119 in)	3.0 x 5.8 x 3.0 m (117 x 230 x 119 in)	3.0 x 7.5 x 3.0 m (117 x 295 x 119 in)	3.0 x 9.1 x 3.0 m (117 x 360 x 119 in)
<b>Weight - GC Model</b>	758 kg (1,671 lb)	5,200 kg (11,400 lb)	11,250 kg (24,800 lb)	14,100 kg (31,100 lb)	17,100 kg (37,700 lb)
<b>Weight - DM Model</b>	1,121 kg (2,471 lb)	5,850 kg (12,900 lb)	13,350 kg (29,400 lb)	16,900 kg (37,300 lb)	20,650 kg (45,500 lb)

## Certifications

- Grid interconnections standards: UL 1741-SA (C65), UL 1741-SB (C200S – C1000S), VDE, BDEW, CEI 0-16, AS4777
- UL 2200
- CE Certified

(1) Nominal full power performance at ISO conditions: 15°C (59°F), 14.696 psia, 60% RH.

(2) Limited to a maximum of 5,000 ppV of H<sub>2</sub>S.

(3) Approximate dimensions and weights. Dimensions do not include service clearances. DM refers to Dual Mode models and GC refers to Grid Connect models.

Specifications are not warranted and are subject to change without notice.