

PROGEN

FUEL CELL POWER **Moving Mobility into the Future**

Plug Power's suite of ProGen fuel cell engines are flexible power building blocks designed for independent companies to use in heavy duty motive applications. ProGen engines provide robust and cost-effective solutions with industry-leading performance, reliability and time-to-market for OEMs looking to adopt sustainable fuel cell power.

Powerful Benefits

COMPLETE FUEL CELL SYSTEM

Plug Power's ProGen fuel cell system includes everything you need for your heavy duty motive application, including the fuel cell stack and all required subsystems for humidification, air delivery, fuel regulation and cooling. ProGen engines balance the need for rapid acceleration with operational efficiency and flexibility, while generating no greenhouse gas emissions.

FLEXIBLE ARCHITECTURE AND SCALABLE POWER

ProGen engines are designed with simplicity in mind. Their design allows for packaging flexibility including both complete, integrated systems and those with distributed air and cooling sub-systems. ProGen's heavy duty scalable power ranges from 15kW to 125kW.

RUGGED RELIABILITY

ProGen provides superior power even in the most rugged conditions, operating in a wide range of climates including sub-freezing temperatures. System reliability is backed up by Plug Power's experience operating more than 35,000 fuel cell systems in the field.

INTEGRATED SAFETY SYSTEM

ProGen's safety system is based on more than 600 million operating hours of experience. Its sophisticated array of sensors complement a proven hydrogen detection and ventilation scheme.

ZERO-EMISSION

Plug Power's ProGen engines enable users to meet transportation emission reduction targets. Using hydrogen as a fuel, only heat and water are generated as by-products.



Powering Your Possibilities.



PRODUCT SPECIFICATIONS		P15KW	P30KW	P85KW	P125KW
PERFORMANCE	RATED NET POWER (kW)	15	30	85	125
	OUTPUT VOLTAGE RANGE (VDC)	80V OR 280 to 430V	280 to 430V OR 500 to 750V		
FUEL CELL MODULE ¹	DIMENSIONS (L X D X H, MM)	985 x 674 x 567	1341 x 833 x 415	1005 x 700 x 400	1400 x 700 x 400
	WEIGHT (KG)	248	240	240	350
COOLING MODULE ²	DIMENSIONS (L X D X H, MM)	Included within Fuel Cell Module	Included within Fuel Cell Module	1047 x 253 x 760	1047 x 253 x 894
	WEIGHT (KG)	-	-	88	103
ENVIRONMENTAL	AMBIENT TEMP (°C)	-30 to +50			
	SHOCK/VIBRATION (G)	Up to 15			
FUEL / COOLANT	FUEL	Hydrogen per ISO 14687-2:2012 @ 35 - 700 barg			
	COOLANT	Deionized water OR 50/50 ethylene glycol/deionized water			

¹ Includes fuel cell stack, humidifier, coolant pump, anode recirculation, air compressor, and all other necessary balance of plant.

² Includes radiator and cooling fans.

³ The 15kW ProGen engine includes an internal 80V battery.

Specifications are subject to change at any time.

TESTED. PROVEN. RUGGED. RELIABLE.

Plug Power is driving the electrification of mobility today, with over 35,000 deployed fuel cells and more than 600 million run-hours in mobility applications. GenFuel hydrogen customers have performed more than 33 million hydrogen fills of electric vehicles, dispensing more than 24 tons of hydrogen daily.

Corporate Headquarters
 968 Albany Shaker Road
 Latham, NY 12110
 518.738.0320

PLUGPOWER.COM
 progen@plugpower.com



122020