

# **“The Standby Generator”**

## **Powered by Gas Turbine!**

**ANNOUNCING KAWASAKI FAST START  
EMERGENCY GAS TURBINE POWER  
GENERATORS**



M1A-23  
Gas Turbine

### **Kawasaki - Benefits:**

- **Dual Fuel Capable**
- **High Starting reliability, 99.9%**
- **Fast Start: 40 seconds - From start to full load**
- **Instantaneous 100% load acceptance - no ramp-up**



GPS4500 Generator Set for Data Center Use

### **More Benefits:**

- **High power density, Compact size, Light weight (1/3 compared to Diesel Gen-sets) - Kawasaki GPS units are often roof mounted to save real estate**
- **Low noise levels - 85 dBA at 3 ft. unlike Diesel gen sets noticeable vibration**
- **Easy maintenance (no water nor frequent oil changes required)**

# Kawasaki Gas Turbine Models (GPS Series)

	Gas Turbine Model (GPS)	500	750	1250	1500	1750	2000	2500	3000	3500	4000	4500	5000	6000
<b>Generator Set</b>	*Electric Output (kW)	400	600	1,000	1,200	1,400	1,600	2,000	2,400	2,800	3,200	3,600	4,000	4,800
	Starting Time	Within 40 sec. (Power Delivery)												
	Load application capability	100%												
	Freq. deviation (transient)	Within ±4.5% (with 100% block load on and off)												+/- 6%
	Freq. deviation	Within +/- 0.3%												
	Fuel Type	Diesel oil, Natural Gas, Dual Fuel Capable (Both Diesel and Gas)												
	**Fuel consumption ( t /hr)	260	305	525	620	695	695	1,065	1,245	1,385	1,390	1,525	1,835	2,050
<b>GT package (indoor type)</b>	Length (ft)	9.8	13.1	16.0	16.0	16.0	17.7	19.0	19.0	19.0	20.3	21.6	25.2	
	Width (ft)	4.2	5.2	5.6	5.6	5.6	5.9	8.2	8.2	8.2	8.2	8.5	9.8	
	Height (ft)	6.7	6.9	8.2	8.2	8.2	8.5	9.5	9.5	9.5	9.5	9.5	11.8	
	Weight (ton)	4.6	6.8	10.5	11.4	11.9	14.7	19.7	20.8	21.8	24.6	26.7	36.6	39.0
<b>Noise level</b>	From Package	85 dBa (Optional 75 and 55 dBa)												
<b>Starting System</b>		Electrical start with D.C. motors (Optional: Pneumatic start with air turbines)												

\*Output: To 104 F of ambient temperature, 500 ft. sea level

\*\*Fuel consumption: At full load, 59 F, using diesel fuel oil



**GPS3000 Light Weight High Power Density Back-up Units - Roof Mounted for Data Center**



**GPS750 Engine Generator Assembly 600kW on Factory Floor**



**GPS4500 Packaged Standby Power Generator Set**



**Kawasaki High Torque, Quick Start GPS Gas Turbine Generator Assembly**