

# STANDBY

Power Solutions



**HIPOWER**®





# HIPOWER SYSTEMS

The Power Provider You Can Trust




## Innovation & Quality for the Standby Market

Electrical power interruptions of any length create difficulties for business concerns, industrial operations and people. In some situations, an interruption of even a few minutes can put lives at risk. As weather-related events and power-grid overloads and failures become more common, the world is turning to standby generators to ensure power continuity. In the U.S. and Canada, no generator manufacturer is better equipped for—or more conscientiously focused on—serving the entire standby generator market than HIPOWER SYSTEMS.

From standalone natural gas generators outside homes to industrial-grade diesel models that ensure vital power continuity for data centers and hospitals, our generators offer unsurpassed quality, innovative engineering and superior efficiency and performance. Equally important, our state-of-the-art, sound-attenuated enclosures protect sensitive equipment from the elements and provide sound dampening unequalled in the industry.

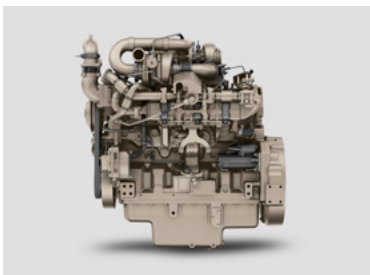


 HIPOWER Sales, Service, and Support Locations

Standby Applications:



## OUR SOLUTIONS



### ENGINE TECHNOLOGY

Reliable, efficient engines are the heart of our generators. HIPOWER SYSTEMS works only with engine manufacturers with an excellent reputation for safety, dependability and longevity under a wide range of environmental conditions.



### STANDBY APPLICATIONS

Our generators feature hi-tech monitoring and control systems including automated, remote startup and telematics for remote troubleshooting. Well-placed power distribution panels include Camlok connectors and receptacles.



### ACCESSORIES

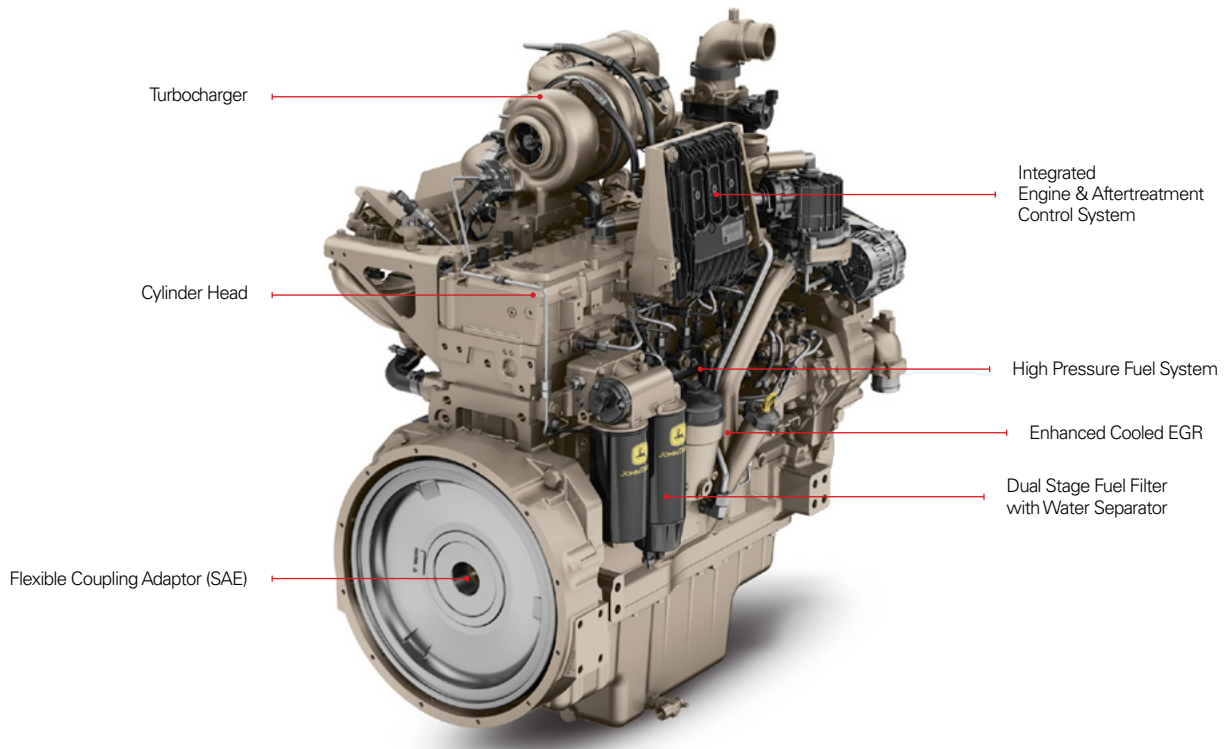
Find all of your power generation and distribution needs under one roof. From color-coded power cables to industrial distribution panels, power transformers and generator connection cabinets, we have it all.



# Diesel Engine Generators

Diesel generators are preferred—even mandated—for standby power in many commercial and industrial operations.

## DIESEL ENGINE TECHNOLOGY



**Diesel engines provide superior load capacity, rapid response time and greater fuel density and efficiency than any other engine type.**

Able to start and absorb a full electrical load within 10 seconds of power grid failure, diesel-powered generators provide a steady power supply and can handle wide load swings.

Diesels are safer for facilities where codes or regulations necessitate on-site fuel storage.

They do not rely on pipelines that may be damaged or shut down after natural disasters such as floods or earthquakes. Compliant with all applicable codes and standards, HIPOWER SYSTEMS diesel standby generators can be counted upon to fire immediately when you need them most.

## PRODUCT RANGE



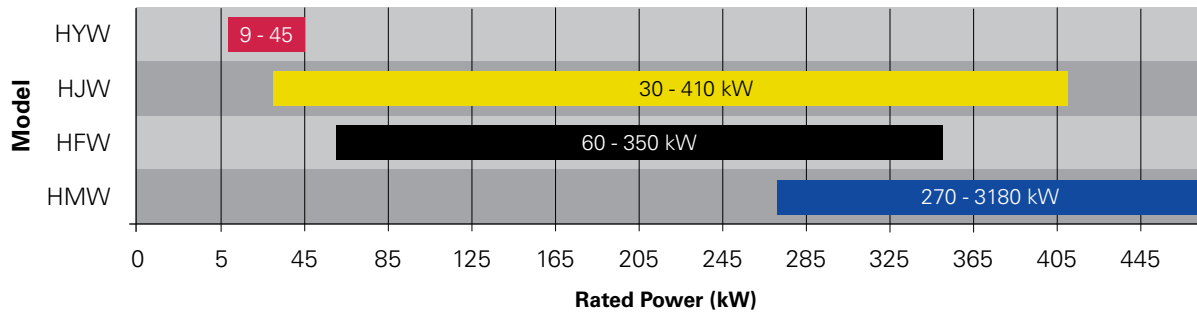
**Model:** HYW  
**Power:** From 9 to 45 kW  
**Engine:** YANMAR  
**Applications:** Residential, Commercial, Industrial, Agriculture & Poultry, Telecommunications



**Model:** HFV  
**Power:** From 60 to 350 kW  
**Engine:** IVECO  
**Applications:** Commercial, Industrial, Water Treatment, Agriculture & Poultry, Telecommunications, Municipalities, Health Care



## RATED POWER by Model (kW)

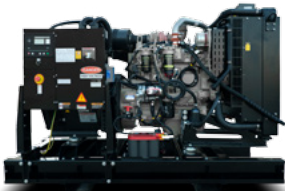
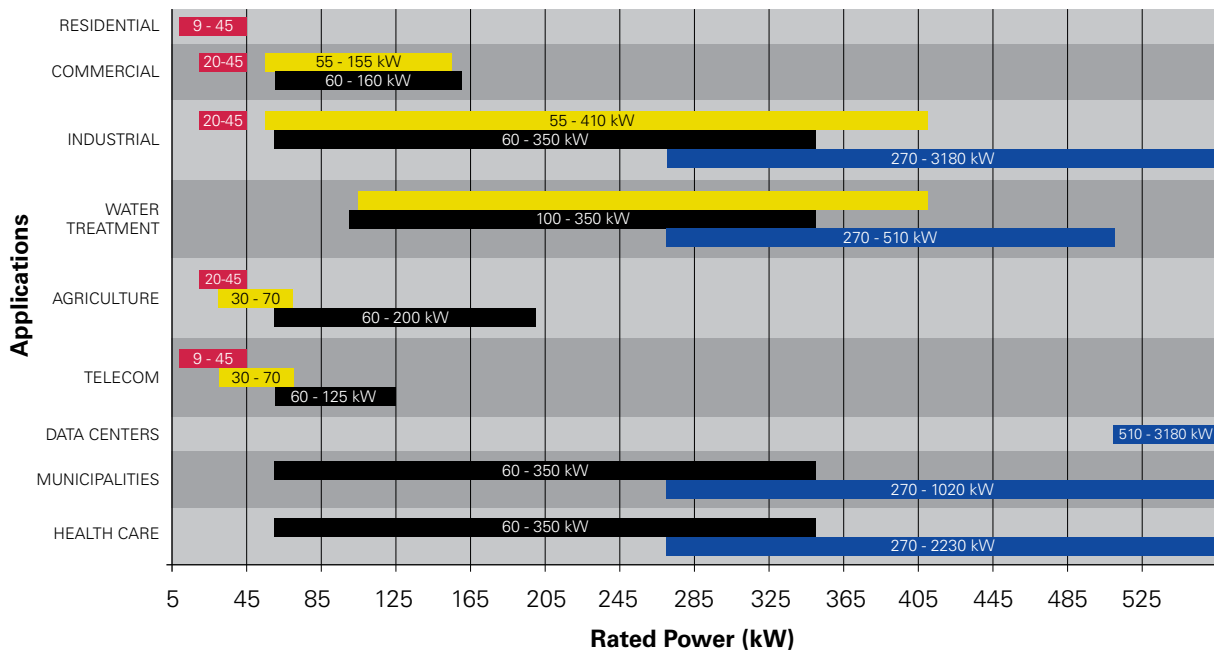


To support the widest range of environments with resilient, state-of-the-art equipment, HIPOWER SYSTEMS has developed an extensive array of durable designs, powered by engines from top manufacturers and backed by exhaustive prototype testing. Our manufacturing facilities utilize the latest advances in sheet metal fabrication, mechanical and electrical component assembly, production and testing.

Whether your firm seeks a portable standby generator that can be trailered to various business locations or a permanently installed, one- to three-phase model for any location from a farm to a medical facility, we can match the unit and its accessories to your needs.

**Our diesel models range from 8 kW to 3 MW. Customization options afford broad flexibility.**

## RATED POWER by Applications (kW)



**Model:** HJW  
**Power:** From 30 to 410 kW  
**Engine:** JOHN DEERE  
**Applications:** Commercial, Industrial, Water Treatment, Agriculture & Poultry, Telecommunications



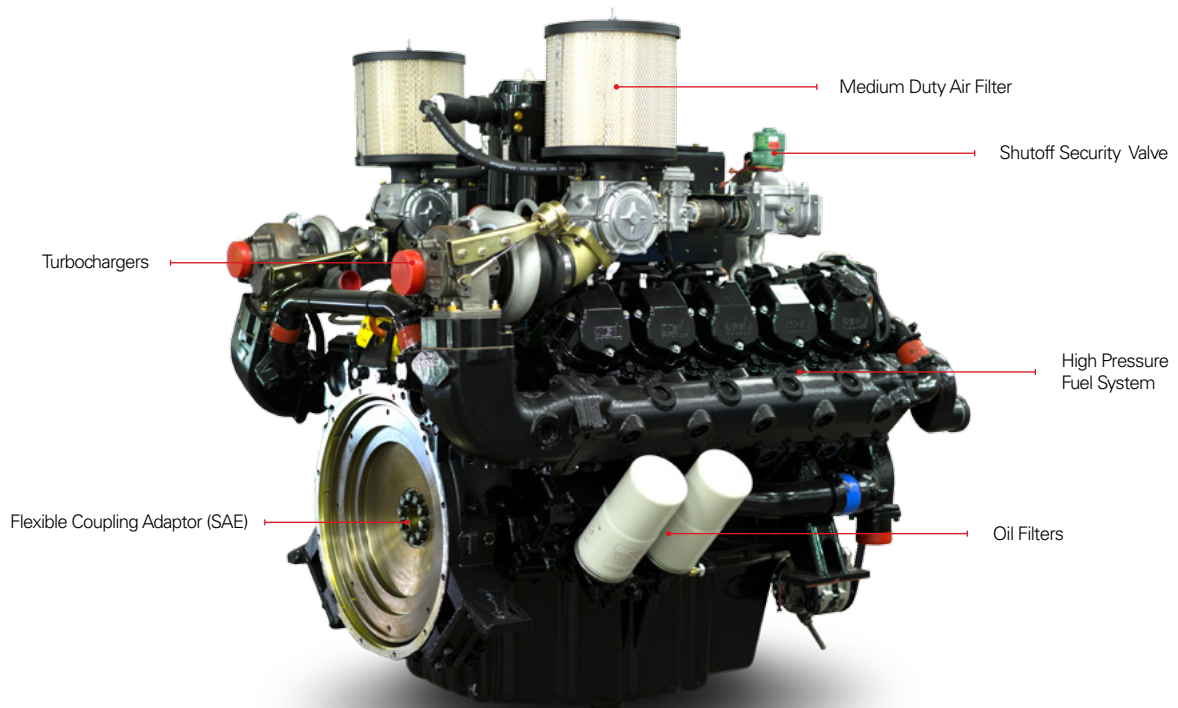
**Model:** HMW  
**Power:** From 270 to 3180 kW  
**Engine:** MTU-Detroit Diesel  
**Applications:** Industrial, Water Treatment, Data Centers, Municipalities, Health Care



# Natural Gas Generators

Long popular in residential environments, natural gas generators have many commercial and industrial applications.

## GAS ENGINE TECHNOLOGY



**Natural gas generators offer a clean-burning, low-cost power source in urban environments where exhaust and emissions are a concern, but their applicability does not stop there.**

From municipalities concerned with EPA compliance to hospitals with “clean” campuses, natural gas standby generators are popular in urban settings. As fuel availability expands, natural gas generators are becoming increasingly appropriate in more remote areas where the power grid is unreliable.

When fuel savings are included in calculations, natural gas generators can be the least expensive option for standby power, especially for smaller operations that do not require large industrial units. In locations with access to by-product (e.g. well-head) gas, operating costs are even lower.

## PRODUCT RANGE



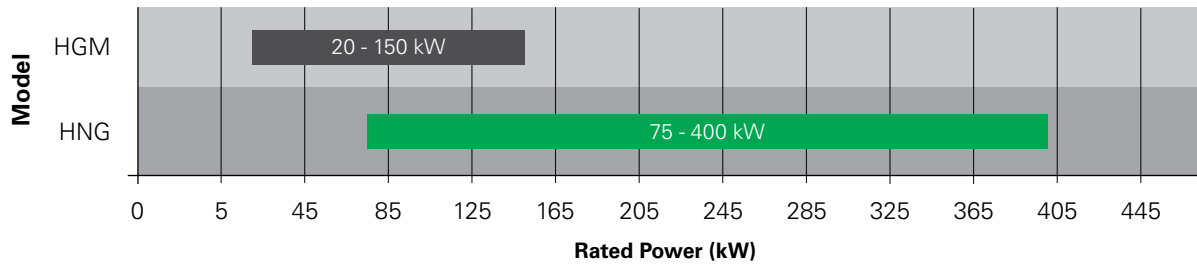
**Model:** HGM ██████████  
**Power:** From 20 to 150 kW  
**Brand:** PSI-GM Vortec Series  
**Applications:** Residential, Commercial, Industrial, Water Treatment, Municipalities



**Model:** HNG ██████████  
**Power:** From 75 to 400 kW  
**Engine:** PSI Heavy Duty Series  
**Applications:** Industrial, Water Treatment, Municipalities



## RATED POWER by Model (kW)



Spark-ignited natural gas is a drier, hotter-burning fuel than diesel and, as such, your choice of a natural gas generator manufacturer is especially important. HI-POWER SYSTEMS works with leading engine companies such as Power Solutions International and relies on its PSI-GM Vortec Series and PSI Heavy Duty Series to provide reliable operation without compromise.

We then engineer our enclosures specifically for these high-performance engines to ensure maximum lifespan with minimum complexity.

**Natural gas models range from 20 kW to 400 kW.  
For ultimate flexibility check our BI-FUEL options.**

## The Natural Gas Advantage



Natural gas costs considerably less than diesel fuel and, as a plentiful commodity in the U.S. and Canada, does not usually fluctuate in price based on world events.



Natural gas is one of the cleanest-burning fossil fuels, in terms of noxious emissions, soot and odor.

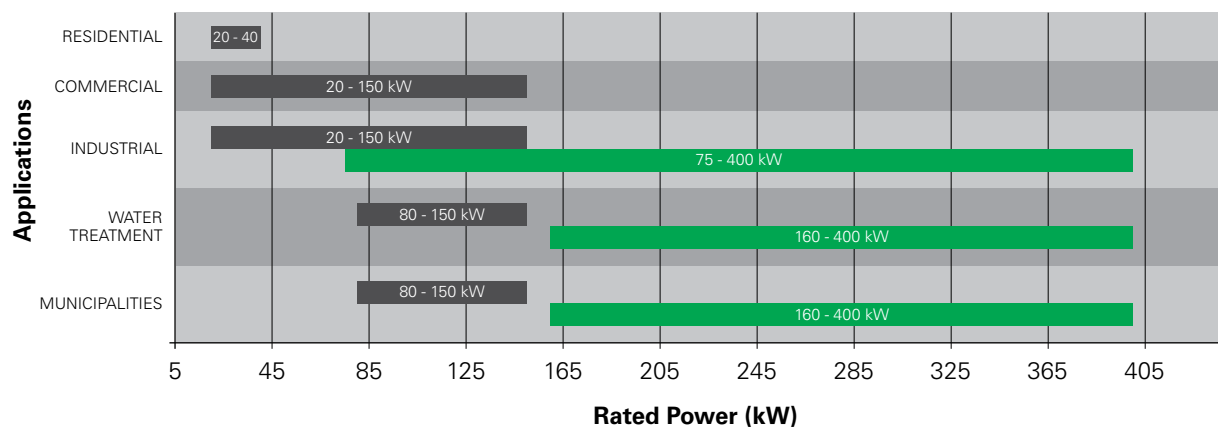


Due to the widespread placement of pipelines, natural gas is more readily available in cities and does not require separate delivery.



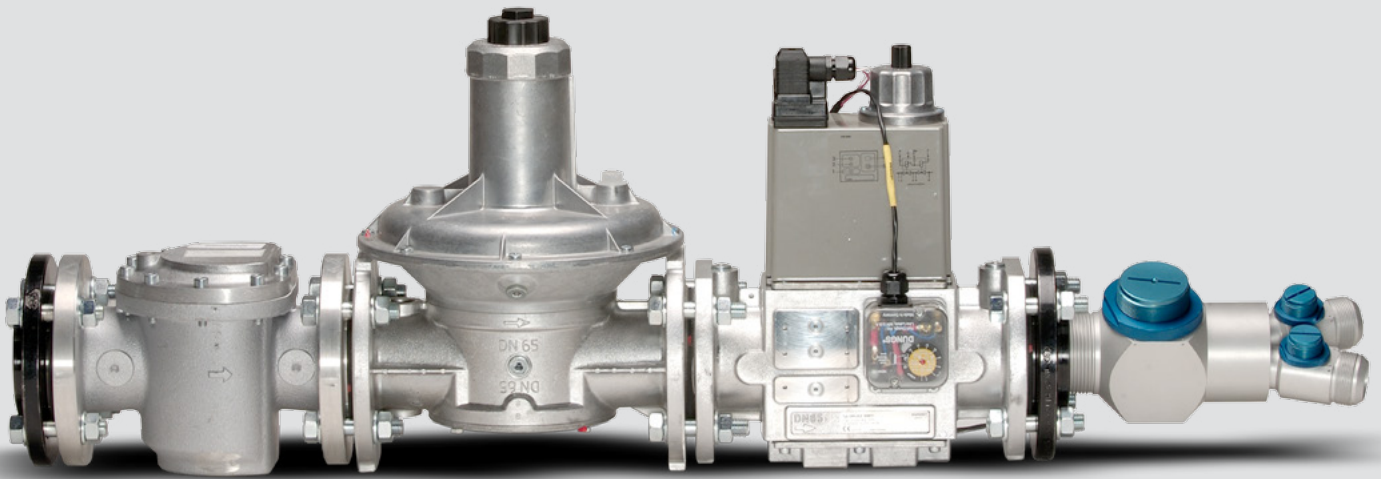
Home and property owners can also earn energy credits or rebates from utility companies for running their natural gas generators to produce power during times of peak electricity demand.

## RATED POWER by Applications (kW)



# BI-FUEL SYSTEMS

*Powered by GTI Bi-Fuel<sup>®</sup>*



## BI-FUEL SYSTEM TECHNOLOGY

Enjoy maximum flexibility and fuel savings with BI-FUEL SYSTEMS, which burn clean, inexpensive natural gas and diesel in a mixture calculated for optimal performance in a variety of environments.

HIPOWER SYSTEMS has partnered with ALTRO-NIC, LLC to incorporate its GTI BI-FUEL system into HIPOWER generators in power ranges from 150 kW to 3 MW. HIPOWER BI-FUEL SYSTEMS are available in Standby Generators as well as for Prime Power and Rental Applications.

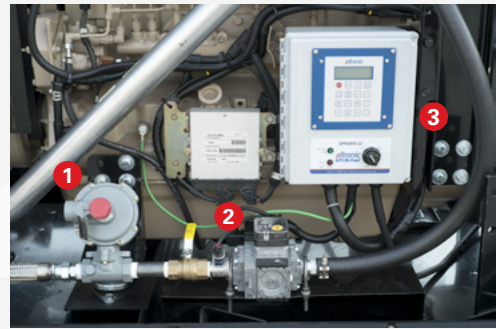
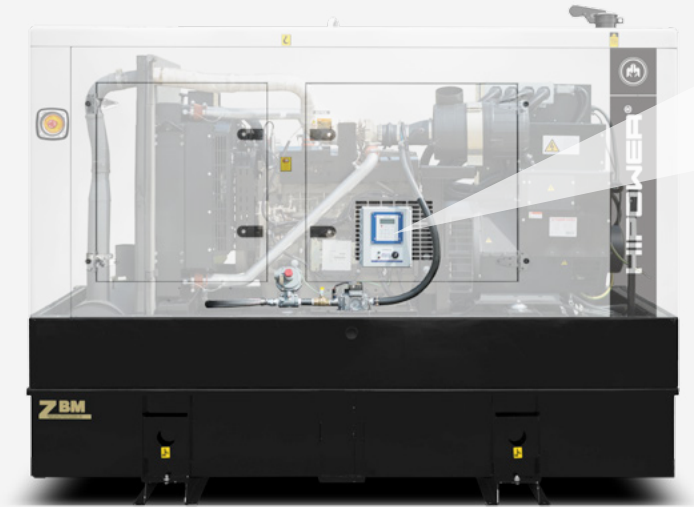
BI-FUEL SYSTEMS capitalize on revolutionary technology that enables diesel engines to run on a gas/diesel mixture where natural (methane-based) gas accounts for up to 70% of the total fuel requirement. This solution substantially reduces operating costs and lowers emissions for engine owners, reducing diesel

fuel purchase requirements by up to 50%. The savings are so significant that some operators report saving \$1 million per year, or more, compared to burning only diesel fuel.

Engines converted to run the GTI BI-FUEL system match—and in some situations outpace—diesel performance in efficiency, stability and load tolerance. They are 100% safe to operate in any environment where diesel is traditionally used, and operators can switch fuel modes without affecting the engine's power output.

A key feature of the GTI BI-FUEL system is the controller module's ability to fine-tune the fuel mixture for optimal performance and savings automatically or on command from the operator. This feature gives companies the flexibility to choose between gas and diesel modes as dictated by fuel pricing, fuel availability and other considerations.





## Technical Features



**Gas Regulator**



**Pressure Switch**



**Engine Control System**

## OUR COMMITMENT TO QUALITY

Although many companies offer bi-fuel systems, the GTI BI-FUEL system represents the pinnacle of these solutions—one that is backed by years of research and science. HIPOWER SYSTEMS adopted the GTI BI-FUEL system as its standard after a lengthy search for technology that offered demonstrably reliable performance under a wide range of load requirements and environmental conditions.

## BENEFITS OF BI-FUEL SYSTEMS



### Cost Savings

Operators enjoy an immediate economic benefit by reducing the amount of diesel fuel they purchase. They may also be eligible for discounted natural gas rates, since their ability to revert to diesel lets them endure natural-gas-supply interruptions or delays.



### Reduced Liquid Fuel Storage

Lowering reliance on diesel fuel also reduces the need for—and therefore the costs and risks associated with—hauling and storing diesel fuel.



### Increased Run Time

Bi-fuel technology provides maximum run time during extended power outages, as operators can rely on whichever fuel they have in the greatest supply.



### Flare Gas Reduction

For drilling firms that normally flare off natural gas as a by-product, BI-FUEL SYSTEMS enable capture and reuse of this fuel, reducing waste and environmental degradation.



# HIPOWER Residential

Keep the Home Lights Burning



## Power When You Need It

For families that have experienced—or want to avoid—the discomfort of an extended power outage, or who cannot envision their homes without power for even a few minutes, HIPOWER SYSTEMS offers a line of whole-house standby generators. These units, permanently connected to the home and its electrical systems via a single, automated connection, offer power continuity for everything from short “brownouts” to weather-related outages of a week or longer.

Gas generators are the solution of choice for residential environments due to the ease with which gas can be procured and the cleaner-burning nature of the fuel itself. HIPOWER SYSTEMS’ gas residential generators feature exceptional reliability, efficiency, safety and quiet operation, allowing families to remain comfortable in their homes—and confident about their generator installations.





# Diesel Generators

**Powered by:**  
YANMAR

Genset Model	Rated Power Standby kW	Engine		Emissions Certification	Control Panel	Sound Level dBA Encl. vers. O.B.	Dimensions LxWxH Encl. vers. O.B.	Weight (Lb) Encl. vers. O.B.
		Brand	Model					
HYW 9 M6	8,1	YANMAR	3TNV76 GGEH	EPA Tier 4i	AUTO M6	60	58.1 x 29.5 x 39.5	1046
HYW 14 M6	13,3	YANMAR	3TNV88 BGGEH	EPA Tier 4i	AUTO M6	61	58.1 x 29.5 x 39.5	1217
HYW 20 M6	17,6	YANMAR	4TNV88 BGGEH	EPA Tier 4i	DSE 7310	59	82.7 x 38.4 x 49.2	1690
HYW 25 M6	23	YANMAR	4TNV84T BGGEH	EPA Tier 4i	DSE 7310	57	82.7 x 38.4 x 49.2	1860
HYW 35 M6	34	YANMAR	4TNV98 ZGGEH	EPA Tier 4i	DSE 7310	65	82.7 x 38.4 x 49.2	2065
HYW 45 M6	40	YANMAR	4TNV98T ZGGEH	EPA Tier 4i	DSE 7310	64	82.7 x 38.4 x 49.2	2305



# Gas Generators

**Powered by:**  
PSI-GM Vortec Series

Genset Model	Rated Power Standby kW		Engine		EPA Certification	Control Panel	Sound Level dBA Encl. vers. O.B.	Dimensions LxWxH Encl. vers. O.B.	Weight (Lb) Encl. vers. O.B.
	NATURAL GAS	LP	Brand	Model					
HGM 20 M6U	19	19	PSI-GM	3.0 L	Certified	DSE 7310	73	82 x 36 x 47	1490
HGM 25 M6U	25	25	PSI-GM	3.0 L	Certified	DSE 7310	73	82 x 36 x 47	1507
HGM 30 M6U	28	30	PSI-GM	3.0 L	Certified	DSE 7310	73	82 x 36 x 47	1525
HGM 40 M6U	40	41	PSI-GM	4.3 L	Certified	DSE 7310	71	94 x 42 x 54	1741

**Available Voltages:** 120/240V, 120/208V/277/480V, 347/600V



## Ready Whenever Trouble Arrives

Between increasingly common grid overloads and failures and unpredictable weather events, millions of U.S. homes go dark each month—sometimes for days or weeks. These outages can strike without warning, but with a standby generator, continuity of power is guaranteed. HIPOWER SYSTEMS' transfer-switch-connected generators start up—and shut off—automatically with no damage to the home's electrical systems or the power grid.



## Nationwide Dealer Service Network

Families have enough worries during a power outage without being concerned with the reliability of their generators. HIPOWER SYSTEMS partners with a nationwide network of dealers, many of whom are on call 24/7/365, which will maintain and service whole-house generators to ensure performance when needed.



# HIPOWER Commercial

When Unexpected Closure Isn't in the Plan



## Protect Your Investment

Every year, more than two million businesses are left without power for eight hours or longer. These outages cost businesses \$80 billion per year and can deeply impact customer loyalty and future choice.

Companies like Waffle House built their reputations on remaining open, no matter what, and generators put this goal within reach for every firm. Standby generators provide continuity, resilience and peace of mind that extends beyond the rare, severe weather event, prompting companies far from natural disaster "hot-spots" to invest in them.

HIPOWER SYSTEMS has spent years developing an extensive line of natural gas and diesel units designed to satisfy the varied plans and budgets of commercial entities. From basic tasks like lighting hallways for departing personnel to powering a major retailer's facility or a restaurant's operation—including cold storage—HIPOWER's quiet, reliable commercial generators cover the spectrum of load and operating ranges.

A business is only as strong as its last sale, and with HIPOWER SYSTEMS standby generators, the cash registers don't need to stop ringing.



# Diesel Generators

**Powered by:**  
YANMAR, JOHN DEERE & FPT-IVECO

Genset Model	Rated Power Standby kW	Engine		Emissions Certification	Control Panel	Sound Level dBA Encl. vers. O.B.	Dimensions LxWxH Encl. vers. O.B.	Weight (Lb) Encl. vers. O.B.
		Brand	Model					
HYW 20 T6	18	YANMAR	4TNV88 BGGEH	EPA Tier 4i	DSE 7310	59	82.7 x 38.4 x 49.2	1690
HYW 25 T6	23	YANMAR	4TNV84T BGGEH	EPA Tier 4i	DSE 7310	57	82.7 x 38.4 x 49.2	1860
HYW 35 T6	36	YANMAR	4TNV98 ZGGEH	EPA Tier 4i	DSE 7310	65	82.7 x 38.4 x 49.2	2008
HYW 45 T6	44	YANMAR	4TNV98T ZGGEH	EPA Tier 4i	DSE 7310	64	82.7 x 38.4 x 49.2	2087
HJW 55 T6	55	JOHN DEERE	4045TF280 - 63	EPA Tier 3	DSE 7310	68	108.3 x 43.3 x 65.3	3430
HJW 65 T6	65	JOHN DEERE	4045HF280 - 74	EPA Tier 3	DSE 7310	68	108.3 x 43.3 x 65.3	3500
HJW 85 T6	80	JOHN DEERE	4045HF285 - 94	EPA Tier 3	DSE 7310	68	108.3 x 43.3 x 65.3	3680
HJW 105 T6	101	JOHN DEERE	4045HF285 - 118	EPA Tier 3	DSE 7310	70	108.3 x 43.3 x 65.3	3810
HJW 130 T6	129	JOHN DEERE	4045HF285 - 147	EPA Tier 3	DSE 7310	72	108.3 x 43.3 x 65.3	4580
HJW 155 T6	154	JOHN DEERE	6068HF285 - 177	EPA Tier 3	DSE 7310	76	129.9 x 47.2 x 71.9	5345
HFW 60 T6	60	FPT-IVECO	N45SM2X	EPA Tier 3	DSE 7310	70	108.3 x 43.4 x 65.3	3668
HFW 80 T6	80	FPT-IVECO	N45TM2X	EPA Tier 3	DSE 7310	72	108.3 x 43.4 x 65.3	5251
HFW 90 T6	90	FPT-IVECO	N45TM2X	EPA Tier 3	DSE 7310	73	108.3 x 43.4 x 65.3	5235
HFW 100 T6	100	FPT-IVECO	N67TM1X	EPA Tier 3	DSE 7310	73	129.9 x 47.2 x 71.9	5566
HFW 130 T6	130	FPT-IVECO	N67TM1X	EPA Tier 3	DSE 7310	75	129.9 x 47.2 x 71.9	5566
HFW 160 T6	160	FPT-IVECO	N67TE2X	EPA Tier 3	DSE 7310	75	129.9 x 47.2 x 71.9	5566



# Gas Generators

**Powered by:**  
PSI-GM Vortec Series

Genset Model	Rated Power Standby kW		Engine		EPA Certification	Control Panel	Sound Level dBA Encl. vers. O.B.	Dimensions LxWxH Encl. vers. O.B.	Weight (Lb) Encl. vers. O.B.
	NATURAL GAS	LP	Brand	Model					
HGM 20 T6	20	20	PSI-GM	3.0 L	Certified	DSE 7310	73	82 x 36 x 47	1490
HGM 25 T6	25	25	PSI-GM	3.0 L	Certified	DSE 7310	73	82 x 36 x 47	1507
HGM 30 T6	30	28	PSI-GM	3.0 L	Certified	DSE 7310	73	94 x 42 x 54	1525
HGM 40 T6	40	40	PSI-GM	4.3 L	Certified	DSE 7310	71	94 x 42 x 54	1741
HGM 55 T6	52	52	PSI-GM	5.7 LNA	Certified	DSE 7310	71	94 x 42 x 54	2306
HGM 65 T6	60	62	PSI-GM	5.7 LNA	Certified	DSE 7310	72	94 x 42 x 54	2395
HGM 80 T6	N/A	80	PSI-GM	5.7 LT	Certified	DSE 7310	73	122 x 48 x 72	2921
HGM 100 T6	80	96	PSI-GM	5.7 LT CAC	Certified	DSE 7310	74	122 x 48 x 72	3193
HGM 120 T6	110	120	PSI-GM	5.7 LT CAC-GB	Certified	DSE 7310	75	134 x 48 x 72	4191
HGM 150 T6	130	150	PSI-GM	8.8 LT CAC	Certified	DSE 7310	75	134 x 48 x 72	4317

**Available Voltages:** 120/240V, 120/208V/277/480V, 347/600V





# Industrial Diesel Generators

## Uninterrupted Power for Any Environment

When power goes out at an industrial operation—whether it's a telecommunications facility or a dairy farm—the results can be devastating. More than any other type of operation, industrial facilities and their output can become critically endangered without continuous power. To safeguard productivity, personnel and output, HIPOWER SYSTEMS designs and manufactures the world's best-designed and ruggedly built standby generators.

Into every generator we make, including our standby line, HIPOWER SYSTEMS engineers quality and reliability surpassing even our testers' demanding expectations—in some of the world's most extreme conditions. Our precision-fabricated enclosures offer added protection from temperature fluctuations and airborne debris. Built-in, residential silencers provide the sound dampening needed to help crews communicate without the distraction of loud, vibrating equipment.

### Keep Lines Rolling and Operations Running Anywhere

We offer a variety of analog and digital control systems designed and built in our own facility to provide operating flexibility—from manual start to alert-based

remote control or full automation—for any location. We also specialize in targeted configurations for harsh conditions, such as cold-package units with special venting enclosures that will start reliably, even when temperatures are sub-zero most of the year.

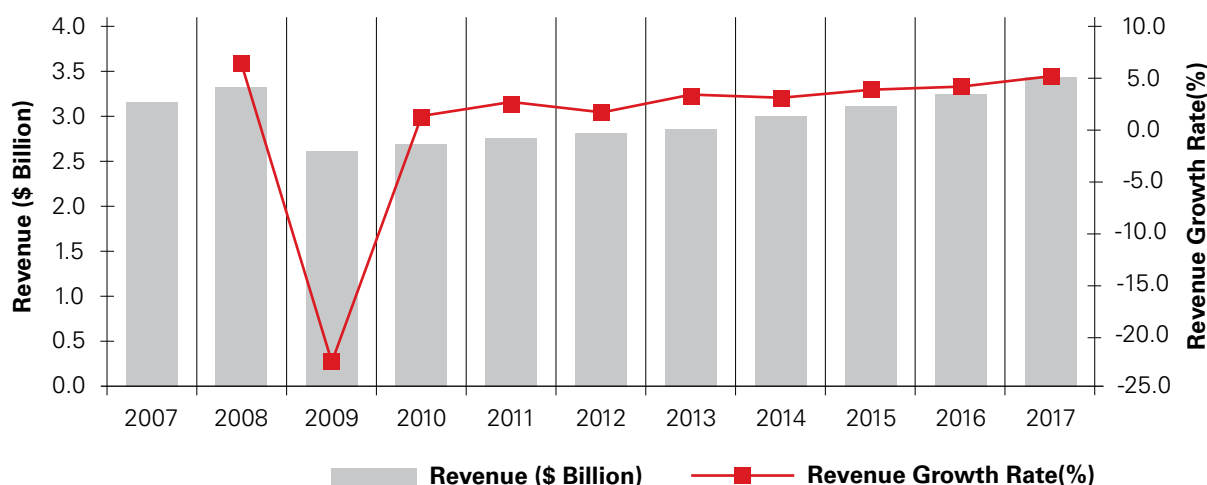
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**We specialize in targeted configurations for harsh conditions.**

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HIPOWER SYSTEMS offers remote monitoring services for standby generators, as well, so companies with unattended operations, such as telecommunications transmitters or oil and gas pumping stations, can be assured their standby generators will come on if the power kicks off. From keeping city lights burning and sanitation pumps cleansing water impurities to providing workers with the air and light to escape a mine safely after an outage, there are virtually no industrial crises that our generators cannot handle.

### INDUSTRIAL GENERATOR MARKET TREND



**Note:** All figures are rounded; the base year is 2010. Source: Frost & Sullivan analysis.

# Technological Expertise

HIPOWER SYSTEMS manufactures its state-of-the-art generators to the highest level of quality, leveraging the individual strengths of both analog and digital technologies. Think there is a solution not yet built into a generator? Ask us—we've probably already done it.



## Key Features of Our Diesel Generators

- Best-in-class digital controls incorporating easy to use displays with configurable alarms and protections.
- Enclosures feature oil-and-heat-resistant, rock-wool sound insulation.
- Compact, durable enclosure designs offer large, easy-access doors for service and scheduled maintenance.
- Features such as top air discharge and residential silencers ensure the quietest possible operation.
- Curved corners and terminations in enclosures provide strength and durability while achieving an attractive design.
- Advanced telematics solutions offer companies the convenience of remote generator control and troubleshooting.



# Industrial Application Diesel Generators

## HYW

Powered by: YANMAR

Genset Model	Rated Power Standby kW	Engine		Emissions Certification	Control Panel	Sound Level dBA Encl. vers. O.B.	Dimensions LxWxH Encl. vers. O.B.	Weight (Lb) Encl. vers. O.B.
		Brand	Model					
HYW 20 T6	18	YANMAR	4TNV88 BGGEH	EPA Tier 4i	DSE 7310	59	82.7 x 38.4 x 49.2	1690
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HYW 35 T6	36	YANMAR	4TNV98 ZGGEH	EPA Tier 4i	DSE 7310	65	82.7 x 38.4 x 49.2	2008
HYW 45 T6	44	YANMAR	4TNV98T ZGGEH	EPA Tier 4i	DSE 7310	64	82.7 x 38.4 x 49.2	2087

## HJW

Powered by: JOHN DEERE

Genset Model	Rated Power Standby kW	Engine		Emissions Certification	Control Panel	Sound Level dBA Encl. vers. O.B.	Dimensions LxWxH Encl. vers. O.B.	Weight (Lb) Encl. vers. O.B.
		Brand	Model					
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HJW 155 T6	154	JOHN DEERE	6068HF285 - 177	EPA Tier 3	DSE 7310	76	129.9 x 47.2 x 71.9	5345
HJW 205 T6	204	JOHN DEERE	6068HF485 - 235	EPA Tier 3	DSE 7310	76	129.9 x 47.2 x 71.9	5801
HJW 225 T6	225	JOHN DEERE	6090HF484 - 258	EPA Tier 3	DSE 7310	77	161.4 x 63.0 x 81.1	7962
HJW 275 T6	275	JOHN DEERE	6090HF484 - 315	EPA Tier 3	DSE 7310	77	161.4 x 63.0 x 81.1	8505
HJW 305 T6	304	JOHN DEERE	6135HF485 - 345	EPA Tier 3	DSE 7310	77	177.2 x 70.9 x 88.3	10835
HJW 355 T6	355	JOHN DEERE	6135HF485 - 401	EPA Tier 3	DSE 7310	77	177.2 x 70.9 x 88.3	11039
HJW 410 T6	410	JOHN DEERE	6135HF485 - 460	EPA Tier 3	DSE 7310	77	177.2 x 70.9 x 88.3	11369

## HFW

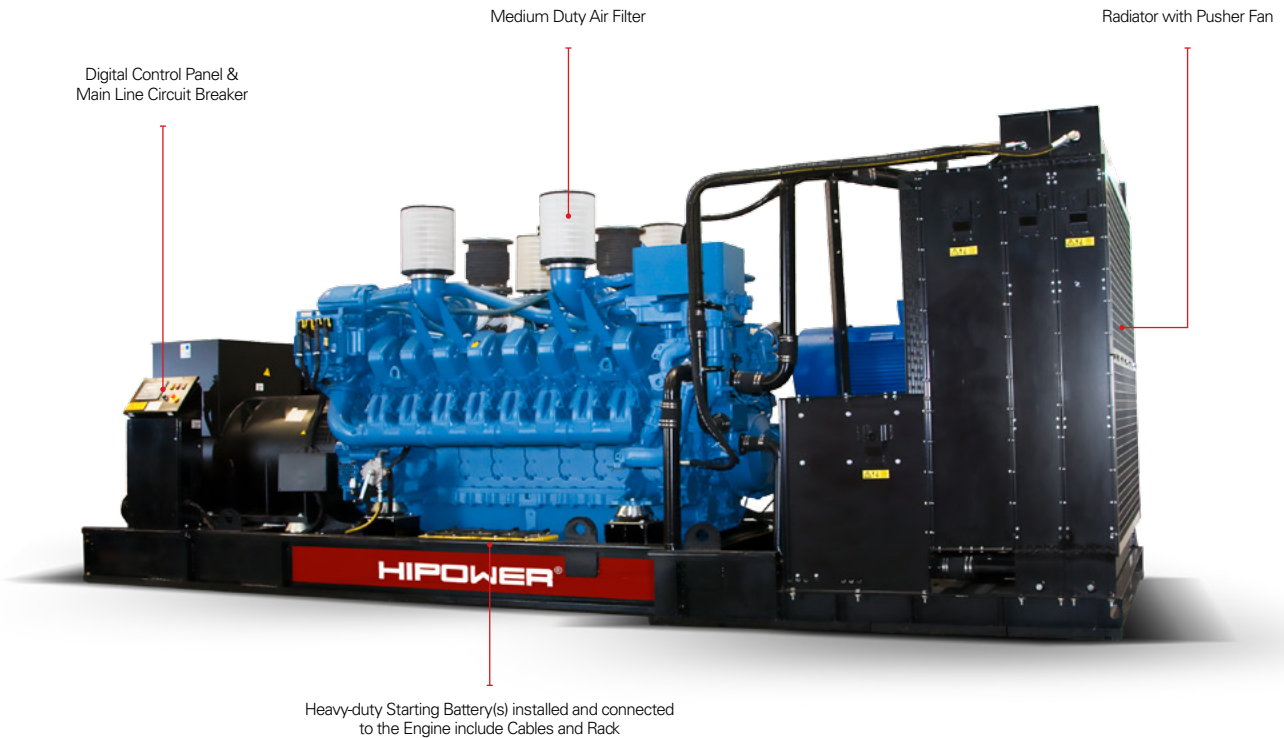
Powered by: FPT-IVECO

Genset Model	Rated Power Standby kW	Engine		Emissions Certification	Control Panel	Sound Level dBA Encl. vers. O.B.	Dimensions LxWxH Encl. vers. O.B.	Weight (Lb) Encl. vers. O.B.
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HFW 130 T6	130	FPTIVECO	N67TM1X	EPA Tier 3	DSE 7310	75	129.9 x 47.2 x 71.9	5566
HFW 160 T6	160	FPTIVECO	N67TE2X	EPA Tier 3	DSE 7310	75	129.9 x 47.2 x 71.9	5566
HFW 180 T6	180	FPTIVECO	N67TE2X	EPA Tier 3	DSE 7310	76	129.9 x 47.2 x 71.9	5566
HFW 200 T6	200	FPTIVECO	C87TE1D	EPA Tier 3	DSE 7310	76	149.6 x 55.1 x 84.6	5566
HFW 230 T6	230	FPTIVECO	C87TE1D	EPA Tier 3	DSE 7310	77	149.6 x 55.1 x 84.6	5566
HFW 250 T6	250	FPTIVECO	C87TE1D	EPA Tier 3	DSE 7310	77	149.6 x 55.1 x 84.6	7990
HFW 300 T6	300	FPTIVECO	C10TE1D	EPA Tier 3	DSE 7310	77	161.4 x 63.0 x 82.6	8760
HFW 350 T6	350	FPTIVECO	C13TE3X	EPA Tier 3	DSE 7310	77	161.4 x 63.0 x 82.6	9365

Available Voltages: 120/240V, 120/208V/277/480V, 347/600V



# Technical Features



## HMW

Powered by: MTU-Detroit Diesel

Genset Model	Rated Power Standby kW	Engine		Emissions Certification	Control Panel	Sound Level dBA Encl. vers. O.B.	Dimensions LxWxH Encl. vers. O.B.	Weight (Lb) Encl. vers. O.B.
		Brand	Model					
HMW 270 T6	268	MTU-Detroit Diesel	6R1600G10S	EPA Tier 3	DSE 7310	73	161.4 x 63.0 x 82.7	9487
HMW 310 T6	306	MTU-Detroit Diesel	6R1600G20S	EPA Tier 3	DSE 7310	73	161.4 x 63.0 x 82.7	9690
HMW 370 T6	365	MTU-Detroit Diesel	8V1600G10S	EPA Tier 3	DSE 7310	73	177.2 x 70.9 x 88.3	11100
HMW 405 T6	402	MTU-Detroit Diesel	8V1600G20S	EPA Tier 3	DSE 7310	73	177.2 x 70.9 x 88.3	11405
HMW 510 T6	476	MTU-Detroit Diesel	10V1600G20S	EPA Tier 2	DSE 7310	82	177.2 x 70.9 x 88.3	11887
HMW 555 T6	540	MTU-Detroit Diesel	12V1600G10S	EPA Tier 2	DSE 7310	82	196.8 x 78.7 x 93.2	14817
HMW 615 T6	610	MTU-Detroit Diesel	12V1600G20S	EPA Tier 2	DSE 7310	82	196.8 x 78.7 x 93.2	15154
HMW 810 T6	809	MTU-Detroit Diesel	12V2000G85	EPA Tier 2	DSE 7310	78	239 x 96 x 102	21160
HMW 915 T6	915	MTU-Detroit Diesel	16V2000G45	EPA Tier 2	DSE 7310	78	239 x 96 x 102	27205
HMW 1020 T6	1015	MTU-Detroit Diesel	16V2000G85	EPA Tier 2	DSE 7310	78	239 x 96 x 102	28924
HMW 1205 T6	1203	MTU-Detroit Diesel	18V2000G85	EPA Tier 2	DSE 7310	78	480 x 96 x 114	34334
HMW 1550 T6	1546	MTU-Detroit Diesel	12V4000G43	EPA Tier 2	DSE 7310	78	480 x 96 x 114	47510
HMW 1730 T6	1728	MTU-Detroit Diesel	12V4000G83	EPA Tier 2	DSE 7310	78	480 x 96 x 114	47620
HMW 1975 T6	1972	MTU-Detroit Diesel	16V4000G43	EPA Tier 2	DSE 7310	78	480 x 96 x 114	53902
HMW 2230 T6	2228	MTU-Detroit Diesel	16V4000G83	EPA Tier 2	DSE 7310	78	480 x 96 x 114	55005
HMW 2540 T6	2553	MTU-Detroit Diesel	20V4000G43	EPA Tier 2	DSE 7310	78	480 x 96 x 172	70615
HMW 2890 T6	2817	MTU-Detroit Diesel	20V4000G83	EPA Tier 2	DSE 7310	78	480 x 96 x 172	75261
HMW 3180 T6	3108	MTU-Detroit Diesel	20V4000G83L	EPA Tier 2	DSE 7310	78	480 x 96 x 172	81900

Available Voltages: 120/240V, 120/208V/277/480V, 347/600V



# Industrial Application Gas Generators

## HGM

Powered by: PSI-GM Vortec Series

Genset Model	Rated Power Standby kW		Engine		EPA Certification	Control Panel	Sound Level dBA Encl. vers. O.B.	Dimensions LxWxH Encl. vers. O.B.	Weight (Lb) Encl. vers. O.B.
	NATURAL GAS	LP	Brand	Model					
HGM 20 T6	20	20	PSI-GM	3.0 L	Certified	DSE 7310	73	82 x 36 x 47	1490
HGM 25 T6	25	25	PSI-GM	3.0 L	Certified	DSE 7310	73	82 x 36 x 47	1507
HGM 30 T6	30	28	PSI-GM	3.0 L	Certified	DSE 7310	73	94 x 42 x 54	1525
HGM 40 T6	40	40	PSI-GM	4.3 L	Certified	DSE 7310	71	94 x 42 x 54	1741
HGM 55 T6	52	52	PSI-GM	5.7 LNA	Certified	DSE 7310	71	94 x 42 x 54	2306
HGM 65 T6	60	62	PSI-GM	5.7 LNA	Certified	DSE 7310	72	94 x 42 x 54	2395
HGM 80 T6	N/A	80	PSI-GM	5.7 LT	Certified	DSE 7310	73	122 x 48 x 72	2921
HGM 100 T6	80	96	PSI-GM	5.7 LT CAC	Certified	DSE 7310	74	122 x 48 x 72	3193
HGM 120 T6	110	120	PSI-GM	5.7 LT CAC-GB	Certified	DSE 7310	75	134 x 48 x 72	4191
HGM 150 T6	130	150	PSI-GM	8.8 LT CAC	Certified	DSE 7310	75	134 x 48 x 72	4317

## HNG

Powered by: PSI Heavy Duty Series

Genset Model	Rated Power Standby kW		Engine		EPA Certification	Control Panel	Sound Level dBA Encl. vers. O.B.	Dimensions LxWxH Encl. vers. O.B.	Weight (Lb) Encl. vers. O.B.
	NATURAL GAS	LP	Brand	Model					
HNG 75 T6	76	73	PSI-HD	8.1LNA	Certified	DSE 7310	76	138.5 x 54 x 76.5	5726
HNG 160 T6	159	105	PSI-HD	8.1LT	Certified	DSE 7310	76	138.5 x 54 x 76.5	6135
HNG 210 T6	208	137	PSI-HD	11.1L CAC	Certified	DSE 7310	76	138.5 x 54 x 76.5	6803
HNG 265 T6	263	160	PSI-HD	14.6L CAC	Certified	DSE 7310	78	178 x 83 x 100	10139
HNG 355 T6	354	256	PSI-HD	18.3L CAC	Certified	DSE 7310	78	178 x 83 x 100	11183
HNG 400 T6	396	298	PSI-HD	21.9L CAC	Certified	DSE 7310	78	178 x 83 x 100	11797

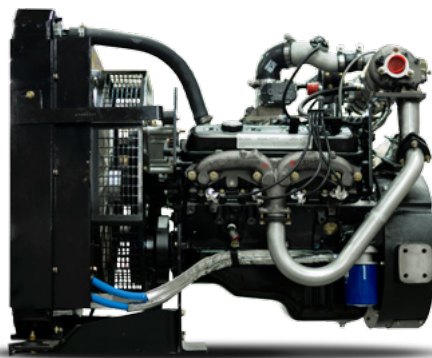
Available Voltages: 120/240V, 120/208V/277/480V, 347/600V





## Industrial Natural Gas

For decades, diesel has been the fuel choice for standby generators in industrial operations. However, as power outages and weather events escalate, and standby power becomes vital to the mission, more sectors are looking to clean-burning, cost-effective natural gas as the answer. HIPOWER SYSTEMS supplies natural gas standby generators with best-in-class control systems in ranges from 20 to 400kW. Accessories include automatic transfer switches, paralleling switchgear and more. Thanks to our sound-attenuated, fully-insulated enclosures, some units are so quiet that, with proper ventilation, high-risk municipalities and police commands can install and run them inside the "safe buildings" now common in storm-related facility rebuilds.



PSI-GM Vortec Series



Certified





# HIPOWER Water Treatment

Because Safe Water Isn't Optional



## The Power of Clean Water

Most citizens in North America take clean water for granted, but in the event of a power outage, nothing is certain. Many major municipalities rely on cleaning or treatment systems to render their drinking water safe, and these systems are powered by electricity.

Standby generators are the necessary solution to ensure drinking water continues to flow—and waste is able to be processed—in communities that experience a power outage. Cities from New York to Houston have discovered the health and safety issues of

having water and sewer systems go down. In many locations, backup generators are now mandated for water and waste treatment plants, but tight budgets are making acquisition difficult.

As municipalities in the U.S. and Canada continue to enhance their emergency response systems with backup generators for water treatment facilities, HIPOWER SYSTEMS is working to ensure they have affordable access to the most reliable, efficient generators available.



# Diesel Generators

**Powered by:**  
JOHN DEERE & FPT-IVECO & MTU-Detroit Diesel

Genset Model	Rated Power Standby kW	Engine		Emissions Certification	Control Panel	Sound Level dBA Encl. vers. O.B.	Dimensions LxWxH Encl. vers. O.B.	Weight (Lb) Encl. vers. O.B.
		Brand	Model					
HJW 105 T6	101	JOHN DEERE	4045HF285 - 118	EPA Tier 3	DSE 7310	70	108.3 x 43.3 x 65.3	3810
HJW 130 T6	129	JOHN DEERE	4045HF285 - 147	EPA Tier 3	DSE 7310	72	108.3 x 43.3 x 65.3	4580
HJW 155 T6	154	JOHN DEERE	6068HF285 - 177	EPA Tier 3	DSE 7310	76	129.9 x 47.2 x 71.9	5345
HJW 205 T6	204	JOHN DEERE	6068HF485 - 235	EPA Tier 3	DSE 7310	76	129.9 x 47.2 x 71.9	5801
HJW 225 T6	225	JOHN DEERE	6090HF484 - 258	EPA Tier 3	DSE 7310	77	161.4 x 63.0 x 81.1	7962
HJW 275 T6	275	JOHN DEERE	6090HF484 - 315	EPA Tier 3	DSE 7310	77	161.4 x 63.0 x 81.1	8505
HJW 305 T6	304	JOHN DEERE	6135HF485 - 345	EPA Tier 3	DSE 7310	77	177.2 x 70.9 x 88.3	10835
HJW 355 T6	355	JOHN DEERE	6135HF485 - 401	EPA Tier 3	DSE 7310	77	177.2 x 70.9 x 88.3	11039
HJW 410 T6	410	JOHN DEERE	6135HF485 - 460	EPA Tier 3	DSE 7310	77	177.2 x 70.9 x 88.3	11369
HFW 100 T6	100	FPT-IVECO	N67TM1X	EPA Tier 3	DSE 7310	73	129.9 x 47.2 x 71.9	5566
HFW 130 T6	130	FPT-IVECO	N67TM1X	EPA Tier 3	DSE 7310	75	129.9 x 47.2 x 71.9	5566
HFW 160 T6	160	FPT-IVECO	N67TE2X	EPA Tier 3	DSE 7310	75	129.9 x 47.2 x 71.9	5566
HFW 180 T6	180	FPT-IVECO	N67TE2X	EPA Tier 3	DSE 7310	76	129.9 x 47.2 x 71.9	5566
HFW 200 T6	200	FPT-IVECO	C87TE1D	EPA Tier 3	DSE 7310	76	149.6 x 55.1 x 84.6	5566
HFW 230 T6	230	FPT-IVECO	C87TE1D	EPA Tier 3	DSE 7310	77	149.6 x 55.1 x 84.6	5566
HFW 250 T6	250	FPT-IVECO	C87TE1D	EPA Tier 3	DSE 7310	77	149.6 x 55.1 x 84.6	7990
HFW 300 T6	300	FPT-IVECO	C10TE1D	EPA Tier 3	DSE 7310	77	161.4 x 63.0 x 82.6	8760
HFW 350 T6	350	FPT-IVECO	C13TE3X	EPA Tier 3	DSE 7310	77	161.4 x 63.0 x 82.6	9365
HMW 270 T6	268	MTU-Detroit Diesel	6R1600G10S	EPA Tier 3	DSE 7310	73	161.4 x 63.0 x 82.7	9487
HMW 310 T6	306	MTU-Detroit Diesel	6R1600G20S	EPA Tier 3	DSE 7310	73	161.4 x 63.0 x 82.7	9690
HMW 370 T6	365	MTU-Detroit Diesel	8V1600G10S	EPA Tier 3	DSE 7310	73	177.2 x 70.9 x 88.3	11100
HMW 405 T6	402	MTU-Detroit Diesel	8V1600G20S	EPA Tier 3	DSE 7310	73	177.2 x 70.9 x 88.3	11405
HMW 510 T6	476	MTU-Detroit Diesel	10V1600G20S	EPA Tier 2	DSE 7310	82	177.2 x 70.9 x 88.3	11887



# Gas Generators

**Powered by:**  
PSI-GM Vortec Series & PSI Heavy Duty Series

Genset Model	Rated Power Standby kW		Engine		EPA Certification	Control Panel	Sound Level dBA Encl. vers. O.B.	Dimensions LxWxH Encl. vers. O.B.	Weight (Lb) Encl. vers. O.B.
	NATURAL GAS	LP	Brand	Model					
HGM 80 T6	N/A	80	PSI-GM	5.7 LT	Certified	DSE 7310	73	122 x 48 x 72	2921
HGM 100 T6	80	96	PSI-GM	5.7 LT CAC	Certified	DSE 7310	74	122 x 48 x 72	3193
HGM 120 T6	110	120	PSI-GM	5.7 LT CAC-GB	Certified	DSE 7310	75	134 x 48 x 72	4191
HGM 150 T6	130	150	PSI-GM	8.8 LT CAC	Certified	DSE 7310	75	134 x 48 x 72	4317
HNG 160 T6	159	105	PSI-HD	8.1LT	Certified	DSE 7310	76	138.5 x 54 x 76.5	6135
HNG 210 T6	208	137	PSI-HD	11.1L CAC	Certified	DSE 7310	76	138.5 x 54 x 76.5	6803
HNG 265 T6	263	160	PSI-HD	14.6L CAC	Certified	DSE 7310	78	178 x 83 x 100	10139
HNG 355 T6	354	256	PSI-HD	18.3L CAC	Certified	DSE 7310	78	178 x 83 x 100	11183
HNG 400 T6	396	298	PSI-HD	21.9L CAC	Certified	DSE 7310	78	178 x 83 x 100	11797

**Available Voltages:** 120/240V, 120/208V/277/480V, 347/600V





# HIPOWER Agriculture & Poultry

When Minutes Make a Difference



## Continuous Power: The Farmer's Advantage

In today's heavily automated agricultural and animal husbandry markets, power continuity is no longer an option. Many operations can grind to a halt during a power outage, and the careful timing of harvesting, milking and other mission-critical operations can be disrupted. This disruption can cause millions of dollars in losses and potentially put the farm and its products in jeopardy.

Furthermore, wind often causes power to fail long before a storm hits the location. It is often these few hours before a weather event unleashes its wrath that farmers and herders rely on power the most, to har-

vest produce, feed livestock and perform operations that mitigate damage during a weather event.

HIPOWER SYSTEMS has built a strong reputation for reliability and staunch support for farm and livestock operations throughout the U.S. and Canada.

Farmers and ranchers aren't always in the office, so the remote monitoring and control systems we use on our precision-engineered generators act as their backup teams. Our systems ensure power continuity whether operators are performing last-minute maintenance checks before a storm or heading to market when power fails unexpectedly.





**Diesel**  
Generators

**Powered by:**  
YANMAR, JOHN DEERE & FPT-IVECO

Genset Model	Rated Power Standby kW	Engine		Emissions Certification	Control Panel	Sound Level dBA Encl. vers. O.B.	Dimensions LxWxH Encl. vers. O.B.	Weight (Lb) Encl. vers. O.B.
		Brand	Model					
HYW 20 M6	17,6	YANMAR	4TNV88 BGGEH	EPA Tier 4i	DSE 7310	59	82.7 x 38.4 x 49.2	1690
HYW 25 M6	23	YANMAR	4TNV84T BGGEH	EPA Tier 4i	DSE 7310	57	82.7 x 38.4 x 49.2	1860
HYW 35 M6	34	YANMAR	4TNV98 ZGGEH	EPA Tier 4i	DSE 7310	65	82.7 x 38.4 x 49.2	2065
HYW 45 M6	40	YANMAR	4TNV98T ZGGEH	EPA Tier 4i	DSE 7310	64	82.7 x 38.4 x 49.2	2305
HJW 30 M6	28	JOHN DEERE	4024TF281-36	EPA Tier 3	DSE 7310	62	82.7 x 38.4 x 50,3	2060
HJW 55 M6	55	JOHN DEERE	4045TF280-63	EPA Tier 3	DSE 7310	69	108.3 x 43.3 x 65.3	3430
HJW 70 M6	66	JOHN DEERE	4045 HF280-74	EPA Tier 3	DSE 7310	68	108.3 x 43.3 x 65.3	3700
HFW 60 M6	59	FPT-IVECO	N45SM2X	EPA Tier 3	DSE 7310	68	108.3 x 43.4 x 65.3	4034
HFW 90 M6	89	FPT-IVECO	N45TM2X	EPA Tier 3	DSE 7310	68	129.9 x 47.2 x 71.9	4962
HFW 125 M6	125	FPT-IVECO	N67TM1X	EPA Tier 3	DSE 7310	68	129.9 x 47.2 x 71.9	4962
HFW 100T6	100	FPT-IVECO	N67TM1X	EPA Tier 3	DSE 7310	73	129.9 x 47.2 x 71.9	5566
HFW 130T6	130	FPT-IVECO	N67TM1X	EPA Tier 3	DSE 7310	75	129.9 x 47.2 x 71.9	5566
HFW 160T6	160	FPT-IVECO	N67TE2X	EPA Tier 3	DSE 7310	75	129.9 x 47.2 x 71.9	5566
HFW 180T6	180	FPT-IVECO	N67TE2X	EPA Tier 3	DSE 7310	76	129.9 x 47.2 x 71.9	5566
HFW 200T6	200	FPT-IVECO	C87TE1D	EPA Tier 3	DSE 7310	76	149.6 x 55.1 x 84.6	5566

**Available Voltages:** 120/240V, 120/208V/277/480V, 347/600V



## Dairy Farms

For dairy operations, power is especially crucial. Not only do computer systems keep track of dairy cows' location and their milking schedules, but they also manage the milking timetables. Furthermore, without power, electric milking apparatus cease to function, and the cold storage warehouses that keep milk and its products fresh for market shut down.

Cows can become ill quickly if not milked on schedule, and spoilage from bad milk and milk products can literally put the farm in jeopardy. Laws surrounding proper storage temperatures can mean that an outage of only a few minutes can render the contents of an entire cold warehouse unsalvageable.



## Sow, Poultry & Growing Operations

HIPOWER SYSTEMS generators ensure that critical livestock ventilation systems remain functional. During a power outage, hogs, poultry and other closely spaced animals can begin suffocating within minutes without a supply of fresh air. Loss of heating, cooling and fan systems can also endanger animal welfare.

Plants may not be dependent upon power 24/7, but any farmer knows they are still vulnerable. Power outages can shut down sprayers that coat ripening fruit in a sheet of protective ice in advance of a cold front; they can prevent farmers from using computerized picking machines to harvesting produce before a strong wind event. In short, power outages can cause incredible disruption and substantial losses.



# HIPOWER Telecommunications

Ensuring Continuity of Communications



## Networking the World

Telecommunications has become a mission-critical technology for public well-being and business continuity, as well as other vital government activities. Yet the nature of long-distance communications—often through remote locations—means that a power outage can affect transmission towers far away from a signal's start or endpoint.

Some of the world's largest telecommunications operators rely upon HIPOWER SYSTEMS to supply backup (and prime) power systems for their base transceiver stations, repeaters and other backbone equipment.

From cellular communications to broadband WIMAX signals, ensuring long-distance continuity in the event of an outage can be complicated, especially for transmissions passing through remote areas. Without active, onsite monitoring, automated or remote intervention becomes paramount. HIPOWER SYSTEMS specializes in providing remote automation solutions, including Auto Start controllers, packaged with our rigorously tested, state-of-the-science standby generators. We also offer maintenance and service plans for equipment we sell, letting telecommunications firms hand these vital operations off to the experts.



**Diesel**  
Generators

**Powered by:**  
YANMAR, JOHN DEERE & FPT-IVECO

Genset Model	Rated Power Standby kW	Engine		Emissions Certification	Control Panel	Sound Level dBA Encl. vers. O.B.	Dimensions LxWxH Encl. vers. O.B.	Weight (Lb) Encl. vers. O.B.
		Brand	Model					
HYW 9 M6*	8,1	YANMAR	3TNV76 GGEH	EPA Tier 4i	DSE 702	60	58.1 x 29.5 x 39.5	1046
HYW 14 M6*	13,3	YANMAR	3TNV88 BGGEH	EPA Tier 4i	DSE 702	61	58.1 x 29.5 x 39.5	1217
HYW 20 M6*	17,6	YANMAR	4TNV88 BGGEH	EPA Tier 4i	DSE 7310	59	82.7 x 38.4 x 49.2	1690
HYW 25 M6*	23	YANMAR	4TNV84T BGGEH	EPA Tier 4i	DSE 7310	57	82.7 x 38.4 x 49.2	1860
HYW 35 M6*	34	YANMAR	4TNV98 ZGGEH	EPA Tier 4i	DSE 7310	65	82.7 x 38.4 x 49.2	2065
HYW 45 M6*	40	YANMAR	4TNV98T ZGGEH	EPA Tier 4i	DSE 7310	64	82.7 x 38.4 x 49.2	2305
HJW 30 M6*	28	JOHN DEERE	4024TF281-36	EPA Tier 3	DSE 7310	62	82.7 x 38.4 x 50,3	2060
HJW 55 M6*	55	JOHN DEERE	4045TF280-63	EPA Tier 3	DSE 7310	69	108.3 x 43.3 x 65.3	3430
HJW 70 M6*	66	JOHN DEERE	4045 HF280-74	EPA Tier 3	DSE 7310	68	108.3 x 43.3 x 65.3	3700
HFW 60 M6*	59	FPT-IVECO	N45SM2X	EPA Tier 3	DSE 7310	68	108.3 x 43.4 x 65.3	4034
HFW 90 M6*	89	FPT-IVECO	N45TM2X	EPA Tier 3	DSE 7310	68	129.9 x 47.2 x 71.9	4962
HFW 125 M6*	125	FPT-IVECO	N67TM1X	EPA Tier 3	DSE 7310	68	129.9 x 47.2 x 71.9	4962

**Available Voltages:** 120/240V, 120/208V/277/480V, 347/600V

**\*Available in 3 phase**

## Katrina Panel Mandates Standby Power

In June 2006, the Katrina Panel Report, a document written by an independent commission that studied the impact of Hurricane Katrina on communications networks, found that, "In general, cellular/PCS base stations were not destroyed by Katrina, although some antennas required adjustment after the storm."

The Panel also found that "Lack of power and/or fuel" was one of the "three main problems that caused the majority of communications network interruptions." Furthermore, they found that the duration of power outages far outlasted most generator fuel reserves, leading to the failure of otherwise functional infrastructure. The Federal Communications Commission subsequently took action to ensure certain telecommunications providers had sufficient backup power solutions.







# HIPOWER Data Centers

The World Depends on Data



## Ensuring 99.999% Availability

In the world of data, redundancy is everything. Equipment must be redundant, from servers to network lines, to ensure that connections never go down. Yet, despite the best efforts of data centers, outages do happen. Even Google, one of the world's largest data center operators, has experienced glitches.

With HIPOWER SYSTEMS equipment in place, data centers will have the reassurance of knowing that their power supplies are guaranteed. They can focus on the many other dangers, from cybercriminals to server

or wiring harness meltdowns, that can impact a data center's continuity.

How do we know this? HIPOWER SYSTEMS technology is in some of the world's most reliable data centers. These are backbone centers where outages are not an acceptable option. Where 99.999% availability is just a starting point. Even during an extreme weather event, these data centers must stay online. With HIPOWER SYSTEMS standby generators, data centers know that their power supply will never cause a problem.



**Diesel**  
Generators

**Powered by:**  
MTU-Detroit Diesel

Genset Model	Rated Power Standby kW	Engine		Emissions Certification	Control Panel	Sound Level dBA Encl. vers. O.B.	Dimensions LxWxH Encl. vers. O.B.	Weight (Lb) Encl. vers. O.B.
		Brand	Model					
HMW 510 T6	476	MTU-Detroit Diesel	10V1600G20S	EPA Tier 2	DSE 7310	82	1772 x 70.9 x 88.3	11887
HMW 555 T6	540	MTU-Detroit Diesel	12V1600G10S	EPA Tier 2	DSE 7310	82	196.8 x 78.7 x 93.2	14817
HMW 615 T6	610	MTU-Detroit Diesel	12V1600G20S	EPA Tier 2	DSE 7310	82	196.8 x 78.7 x 93.2	15154
HMW 810 T6	809	MTU-Detroit Diesel	12V2000G85	EPA Tier 2	DSE 7310	78	239 x 96 x 102	21160
HMW 915 T6	915	MTU-Detroit Diesel	16V2000G45	EPA Tier 2	DSE 7310	78	239 x 96 x 102	27205
HMW 1020 T6	1015	MTU-Detroit Diesel	16V2000G85	EPA Tier 2	DSE 7310	78	239 x 96 x 102	28924
HMW 1205 T6	1203	MTU-Detroit Diesel	18V2000G85	EPA Tier 2	DSE 7310	78	480 x 96 x 114	34334
HMW 1550 T6	1546	MTU-Detroit Diesel	12V4000G43	EPA Tier 2	DSE 7310	78	480 x 96 x 114	47510
HMW 1730 T6	1728	MTU-Detroit Diesel	12V4000G83	EPA Tier 2	DSE 7310	78	480 x 96 x 114	47620
HMW 1975 T6	1972	MTU-Detroit Diesel	16V4000G43	EPA Tier 2	DSE 7310	78	480 x 96 x 114	53902
HMW 2230 T6	2228	MTU-Detroit Diesel	16V4000G83	EPA Tier 2	DSE 7310	78	480 x 96 x 114	55005
HMW 2540 T6	2553	MTU-Detroit Diesel	20V4000G43	EPA Tier 2	DSE 7310	78	480 x 96 x 172	70615
HMW 2890 T6	2817	MTU-Detroit Diesel	20V4000 G83	EPA Tier 2	DSE 7310	78	480 x 96 x 172	75261
HMW 3180 T6	3108	MTU-Detroit Diesel	20V4000 G83L	EPA Tier 2	DSE 7310	78	480 x 96 x 172	81900

**Available Voltages:** 480V 150°C Temp Rise, 480V 130°C Temp Rise, 480V 105°C Temp Rise, 480V 80°C Temp Rise, 600V 150°C Temp Rise, 600V 125°C Temp Rise, 600V 105°C Temp Rise, 600V 80°C Temp Rise, 4.16kV - 130°C Temp Rise, 4.16kV - 105°C Temp Rise, 4.16kV - 80°C Temp Rise, 12.47-13.2kV - 130°C Temp Rise, 12.47-13.2kV - 105°C Temp Rise, 12.47-13.2kV - 80°C Temp Rise



## Latin America's First Tier 4 Data Center

The same research and engineering that powers HIPOWER SYSTEMS' equipment was used to develop and deploy a redundant and parallel, continuous power system for the Telconet Cloud Center—Ecuador's largest data center. The project created an interconnection in Ecuador, from Quito and Guayaquil to the world, through Verizon Terremark's Network Access Point (NAP) of the Americas, with high-speed connections where several telecommunication national and international operators meet.

The 2N+1 installation involves 12 soundproofed generator sets, in containers of 20', with MTU engines, for a parallel working with loading distribution. The

system guarantees superior reliability in supplying continuous power for the first certified TIER IV (400-rack capacity) data center in Latin America.

Not all data centers will require such high-capacity solutions, and HIPOWER SYSTEMS can scale these systems up or down (to as few as two parallel generators) while still incorporating the industry-leading precision-engineered machinery, advanced control systems, and sound attenuation, weatherproof enclosures for which we are renowned. Data centers with infinitesimal margins of error need equally reliable power solutions, and HIPOWER SYSTEMS has the research, expertise and track record to fulfill that need.





# HIPOWER Municipalities

Powering Citizen Health and Safety



## Reassuring the Public

With municipal budgets strained to the breaking point, many are being forced to make choices, and it's easy to ignore the need for backup power—until it is too late. Citizens count upon their local governments to protect them during a power outage, but if fire and police—or even the core government itself—cannot operate at a basic level, the public suffers and the city loses credibility.

HIPOWER SYSTEMS engineers its standby generators with a wide variety of ratings and features to

help cash-crunched municipalities find the solution that works within their operating budgets. From basic single-phase models that power small command centers to large, industrial three-phase models with oversized fuel tanks that can power an entire municipal complex, we offer a generator to fit every city. Our industry-leading sound attenuated enclosures—which keep generator noise to a minimum—are an added benefit that will help city staff focus on their tasks without distraction.





# Diesel Generators

**Powered by:**  
FPT-IVECO & MTU-Detroit Diesel

Genset Model	Rated Power Standby kW		Engine		Emissions Certification	Control Panel	Sound Level dBA Encl. vers. O.B.	Dimensions LxWxH Encl. vers. O.B.	Weight (Lbs) Encl. vers. O.B.
	NATURAL GAS	LP	Brand	Model					
HFW 60T6	60		FPT-IVECO	N45SM2X	EPA Tier 3	DSE 7310	70	108.3 x 43.4 x 65.3	3668
HFW 80T6	80		FPT-IVECO	N45TM2X	EPA Tier 3	DSE 7310	72	108.3 x 43.4 x 65.3	5251
HFW 90T6	90		FPT-IVECO	N45TM2X	EPA Tier 3	DSE 7310	73	108.3 x 43.4 x 65.3	5235
HFW 100T6	100		FPT-IVECO	N67TM1X	EPA Tier 3	DSE 7310	73	129.9 x 47.2 x 71.9	5566
HFW 130T6	130		FPT-IVECO	N67TM1X	EPA Tier 3	DSE 7310	75	129.9 x 47.2 x 71.9	5566
HFW 160T6	160		FPT-IVECO	N67TE2X	EPA Tier 3	DSE 7310	75	129.9 x 47.2 x 71.9	5566
HFW 180T6	180		FPT-IVECO	N67TE2X	EPA Tier 3	DSE 7310	76	129.9 x 47.2 x 71.9	5566
HFW 200T6	200		FPT-IVECO	C87TE1D	EPA Tier 3	DSE 7310	76	149.6 x 55.1 x 84.6	5566
HFW 230T6	230		FPT-IVECO	C87TE1D	EPA Tier 3	DSE 7310	77	149.6 x 55.1 x 84.6	5566
HFW 250T6	250		FPT-IVECO	C87TE1D	EPA Tier 3	DSE 7310	77	149.6 x 55.1 x 84.6	7990
HFW 300T6	300		FPT-IVECO	C10TE1D	EPA Tier 3	DSE 7310	77	161.4 x 63.0 x 82.6	8760
HFW 350T6	350		FPT-IVECO	C13TE3X	EPA Tier 3	DSE 7310	77	161.4 x 63.0 x 82.6	9365
HMW 270T6	268		MTU-Detroit Diesel	6R1600G10S	EPA Tier 3	DSE 7310	73	161.4 x 63.0 x 82.7	9487
HMW 310T6	306		MTU-Detroit Diesel	6R1600G20S	EPA Tier 3	DSE 7310	73	161.4 x 63.0 x 82.7	9690
HMW 370T6	365		MTU-Detroit Diesel	8V1600G10S	EPA Tier 3	DSE 7310	73	177.2 x 70.9 x 88.3	11100
HMW 405T6	402		MTU-Detroit Diesel	8V1600G20S	EPA Tier 3	DSE 7310	73	177.2 x 70.9 x 88.3	11405
HMW 510T6	476		MTU-Detroit Diesel	10V1600G20S	EPA Tier 2	DSE 7310	82	177.2 x 70.9 x 88.3	11887
HMW 555T6	540		MTU-Detroit Diesel	12V1600G10S	EPA Tier 2	DSE 7310	82	196.8 x 78.7 x 93.2	14817
HMW 615T6	610		MTU-Detroit Diesel	12V1600G20S	EPA Tier 2	DSE 7310	82	196.8 x 78.7 x 93.2	15154
HMW 810T6	809		MTU-Detroit Diesel	12V2000G85	EPA Tier 2	DSE 7310	78	239 x 96 x 102	21160
HMW 915T6	915		MTU-Detroit Diesel	16V2000G45	EPA Tier 2	DSE 7310	78	239 x 96 x 102	27205
HMW 1020T6	1015		MTU-Detroit Diesel	16V2000G85	EPA Tier 2	DSE 7310	78	239 x 96 x 102	28924



# Gas Generators

**Powered by:**  
PSI-GM Vortec Series & PSI Heavy Duty Series

Genset Model	Rated Power Standby kW		Engine		EPA Certification	Control Panel	Sound Level dBA Encl. vers. O.B.	Dimensions LxWxH Encl. vers. O.B.	Weight (Lbs) Encl. vers. O.B.
	NATURAL GAS	LP	Brand	Model					
HGM 80 T6	N/A	80	PSI-GM	5.7 LT	Certified	DSE 7310	73	122 x 48 x 72	2921
HGM 100 T6	80	96	PSI-GM	5.7 LT CAC	Certified	DSE 7310	74	122 x 48 x 72	3193
HGM 120 T6	110	120	PSI-GM	5.7 LT CAC-GB	Certified	DSE 7310	75	134 x 48 x 72	4191
HGM 150 T6	130	150	PSI-GM	8.8 LT CAC	Certified	DSE 7310	75	134 x 48 x 72	4317
HNG 160T6	159	105	PSI-HD	8.1LT	Certified	DSE 7310	76	138.5 x 54 x 76.5	6135
HNG 210T6	208	137	PSI-HD	11.1L CAC	Certified	DSE 7310	76	138.5 x 54 x 76.5	6803
HNG 265 T6	263	160	PSI-HD	14.6L CAC	Certified	DSE 7310	78	178 x 83 x 100	10139
HNG 355 T6	354	256	PSI-HD	18.3L CAC	Certified	DSE 7310	78	178 x 83 x 100	11183
HNG 400T6	396	298	PSI-HD	21.9L CAC	Certified	DSE 7310	78	178 x 83 x 100	11797

**Available Voltages:** 120/240V, 120/208V/277/480V, 347/600V



# HIPOWER Health Care

Power Continuity When Lives Are at Risk



## Parallel Power Averts Crisis

For medical facilities such as hospitals, backup power isn't just important—it's vital. That's why the National Electrical Code, as well as many state codes, mandates that hospitals and critical care facilities have backup power systems that will startup automatically and be running at 100% capacity within 10 seconds of power failure.

For these facilities, HIPOWER SYSTEMS often installs paralleling generators, which feature wireless paralle-

ling and a specialized control panel configurable via the front panel or a PC without dedicated software. Running multiple parallel generators—with individual generator output at three different voltages—makes the odds of total failure statistically astronomical and ensures care facilities can power every possible piece of equipment, no matter what voltage it requires. In the event of an outage, these types of systems can be capable of covering all electrical loads for up to 120 hours (five days) without refueling.



# Diesel Generators

**Powered by:**  
FPT-IVECO

Genset Model	Rated Power Standby kW	Engine		Emissions Certification	Control Panel	Sound Level dBA Encl. vers. O.B.	Dimensions LxWxH Encl. vers. O.B.	Weight (Lbs) Encl. vers. O.B.
		Brand	Model					
HFV 60 T6	60	FPT-IVECO	N45SM2X	EPA Tier 3	DSE 7310	70	108.3 x 43.4 x 65.3	3668
HFV 80 T6	80	FPT-IVECO	N45TM2X	EPA Tier 3	DSE 7310	72	108.3 x 43.4 x 65.3	5251
HFV 90 T6	90	FPT-IVECO	N45TM2X	EPA Tier 3	DSE 7310	73	108.3 x 43.4 x 65.3	5235
HFV 100 T6	100	FPT-IVECO	N67TM1X	EPA Tier 3	DSE 7310	73	129.9 x 47.2 x 71.9	5566
HFV 130 T6	130	FPT-IVECO	N67TM1X	EPA Tier 3	DSE 7310	75	129.9 x 47.2 x 71.9	5566
HFV 160 T6	160	FPT-IVECO	N67TE2X	EPA Tier 3	DSE 7310	75	129.9 x 47.2 x 71.9	5566
HFV 180 T6	180	FPT-IVECO	N67TE2X	EPA Tier 3	DSE 7310	76	129.9 x 47.2 x 71.9	5566
HFV 200 T6	200	FPT-IVECO	C87TE1D	EPA Tier 3	DSE 7310	76	149.6 x 55.1 x 84.6	5566
HFV 230 T6	230	FPT-IVECO	C87TE1D	EPA Tier 3	DSE 7310	77	149.6 x 55.1 x 84.6	5566
HFV 250 T6	250	FPT-IVECO	C87TE1D	EPA Tier 3	DSE 7310	77	149.6 x 55.1 x 84.6	7990
HFV 300 T6	300	FPT-IVECO	C10TE1D	EPA Tier 3	DSE 7310	77	161.4 x 63.0 x 82.6	8760
HFV 350 T6	350	FPT-IVECO	C13TE3X	EPA Tier 3	DSE 7310	77	161.4 x 63.0 x 82.6	9365



# Diesel Generators

**Powered by:**  
MTU-Detroit Diesel

Genset Model	Rated Power Standby kW	Engine		Emissions Certification	Control Panel	Sound Level dBA Encl. vers. O.B.	Dimensions LxWxH Encl. vers. O.B.	Weight (Lbs) Encl. vers. O.B.
		Brand	Model					
HMW 270 T6	268	MTU-Detroit Diesel	6R1600G10S	EPA Tier 3	DSE 7310	73	161.4 x 63.0 x 82.7	9487
HMW 310 T6	306	MTU-Detroit Diesel	6R1600G20S	EPA Tier 3	DSE 7310	73	161.4 x 63.0 x 82.7	9690
HMW 370 T6	365	MTU-Detroit Diesel	8V1600G10S	EPA Tier 3	DSE 7310	73	177.2 x 70.9 x 88.3	11100
HMW 405 T6	402	MTU-Detroit Diesel	8V1600G20S	EPA Tier 3	DSE 7310	73	177.2 x 70.9 x 88.3	11405
HMW 510 T6	476	MTU-Detroit Diesel	10V1600G20S	EPA Tier 2	DSE 7310	82	177.2 x 70.9 x 88.3	11887
HMW 555 T6	540	MTU-Detroit Diesel	12V1600G10S	EPA Tier 2	DSE 7310	82	196.8 x 78.7 x 93.2	14817
HMW 615 T6	610	MTU-Detroit Diesel	12V1600G20S	EPA Tier 2	DSE 7310	82	196.8 x 78.7 x 93.2	15154
HMW 810 T6	809	MTU-Detroit Diesel	12V2000G85	EPA Tier 2	DSE 7310	78	239 x 96 x 102	21160
HMW 915 T6	915	MTU-Detroit Diesel	16V2000G45	EPA Tier 2	DSE 7310	78	239 x 96 x 102	27205
HMW 1020 T6	1015	MTU-Detroit Diesel	16V2000G85	EPA Tier 2	DSE 7310	78	239 x 96 x 102	28924
HMW 1205 T6	1203	MTU-Detroit Diesel	18V2000G85	EPA Tier 2	DSE 7310	78	480 x 96 x 114	34334
HMW 1550 T6	1546	MTU-Detroit Diesel	12V4000G43	EPA Tier 2	DSE 7310	78	480 x 96 x 114	47510
HMW 1730 T6	1728	MTU-Detroit Diesel	12V4000G83	EPA Tier 2	DSE 7310	78	480 x 96 x 114	47620
HMW 1975 T6	1972	MTU-Detroit Diesel	16V4000G43	EPA Tier 2	DSE 7310	78	480 x 96 x 114	53902
HMW 2230 T6	2228	MTU-Detroit Diesel	16V4000G83	EPA Tier 2	DSE 7310	78	480 x 96 x 114	55005

**Available Voltages:** 120/240V, 120/208V/277/480V, 347/600V





# HIPOWER Disaster Recovery

When the Unthinkable Happens



## Be Ready When Disaster Strikes

When disaster strikes you or your customers, will everyone be prepared? Will power availability be a given and not a major stressor that consumes everyone's time and concern for the first few days?

When power goes out for days or weeks, merchandise spoils, sensitive machinery becomes damaged, data backups become unavailable, customers abandon their orders and seek the competition—and businesses fail.

Yet, despite these dire—and very real—possibilities, 71% of small business owners don't have a standby generator (2013 Small Business Disaster Survey). More surprisingly, 72% of business owners of all sizes,

including business, government and academic institutions, don't have an adequate disaster readiness plan (Disaster Recovery Preparedness Council).

Unfortunately, the likelihood of businesses and industrial concerns in the U.S. and Canada (and elsewhere) being impacted by disasters, especially natural weather events, is increasing.

- The National Oceanic and Atmospheric Administration (NOAA), reports that the number of \$1 billion+ weather events has risen from two to 10 per year, on average from the 1980s to 2010.



- 65% of U.S. businesses are located in areas affected by natural disasters (Symantec).
- Weather systems can cause power outages far from their “strike” locations. Superstorm Sandy (2012) affected 24 U.S. states as far away as Wisconsin. Hurricane Ike (2008) caused widespread damage across all or parts of 11 states in the U.S., and parts of Canada (Ontario).

The proliferation of mobile devices is exacerbating the problem, as many business owners now believe they can run their businesses from a mobile device (62%, per the Business Disaster Survey cited earlier). That works well for a few days, unless the company requires the Internet, or access to its onsite data, or any of a number of “pieces of the puzzle.”

The only certain solution that affords business conti-

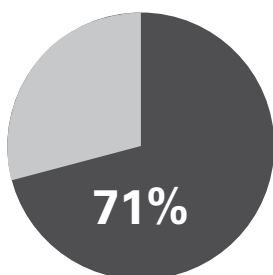
nunity and protects the safety of personnel, equipment and operations is a permanent backup power solution.

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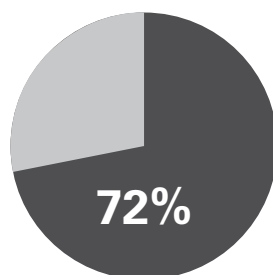
**Weather systems can cause power outages far from their “strike” locations.**

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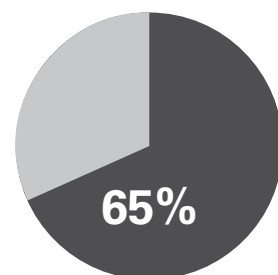
HIPOWER SYSTEMS is a leader in providing continuous and backup power in virtually every possible configuration. It is trusted by companies that have incredibly remote operations, because they know that HIPOWER SYSTEMS generators can be trusted upon in an emergency to do their jobs. When disaster strikes, isn't that who you want by your side?



Small Business without Standby Generator



Business Owners of all sizes without Disaster Readiness Plan



U.S. Businesses located in areas affected by Natural Disasters





# Accessories



**UL TANKS.** HIPOWER SYSTEMS UL# 142 tanks are built with 10 or 7 gauge carbon steel unless customer specs different material. All material meets ASTM1011.

All seams and corners are welded on both the inside and outside of both the primary and secondary tank.

All tanks are tested at 3-5 PSI and confirmed leakproof by three inspectors. Tanks are final-inspected by a builder and inspector.



**BATTERY CHARGERS.** Battery Tender Waterproof Vibration Resistant chargers are designed to accommodate the demanding charging requirements of high quality lead-acid batteries and should safely charge all lead-acid battery types.

The Power Tender PLUS charges and maintains both flooded and sealed, maintenance free, AGM, lead-acid batteries. Float / Maintenance function maintains batteries at proper storage voltage without the damaging effects caused by trickled chargers. The Power Tender PLUS is easy to use, it's rugged, it's compact, it's packed with power, and it's backed by the reputation of the undisputed battery charger industry leader.

Waterproof, shock & vibration resistant, lightweight (less than 4 pounds), compact charger.



**REMOTE ANNUNCIATORS.** Provides 16 LED indicators, an alarm sounder, a mute button and an LED test button.

- The DSE549 meets the requirements of the United States of America National Fire Protection Agency (NFPA) 110 Level 1 Specification.
- Configurable LED's (Via the host controller).
- Works up to 1000 meters from the host module using standard cable.
- Power and link lost LED's.
- Mute button to turn off alarm (independent from host module).



HIPOWER SYSTEMS takes pride in offering accessories that result in significant operating enhancement and meaningful customization of its generators.

**ENGINE BLOCK HEATERS.** The block heater will maintain an engine's operating temperature during downtime and serve as an excellent cold weather or emergency starting aid while eliminating needless idling.

Hotstart heaters meet heating requirements for a wide range of engine sizes and applications.

Designed to circulate heated coolant through the entire engine block, Hotstart engine heaters provide even heat distribution resulting in reduced engine wear, quick start-ups and reduced emissions.



**TELEMATICS.** The DSEWebNet Gateway is used in conjunction with supported DSE controllers to provide monitoring and communications data via the DSEWebNet® advanced communication system. Main features:

1. The Gateway device provides the user with full instant access to the DSEWebNet® system.
  2. A single Gateway device can be connected to a maximum of 20 supported DSE controllers.
- An unlimited number of DSEWebNet® users can access a single Gateway Device.
  - A single DSEWebNet® user can access an infinite number of Gateway devices.
  - Communication to the connected DSE controller(s) via USB, RS232, RS485 & Ethernet.

**HYDRONIC HEATERS.** Diesel fired heaters are able to warm up the engine in few minutes. Espar's and work independently of the engine and thus offer a double plus: pre-heating the vehicle's passenger compartment and the engine.

The heaters are integrated in the cooling system of the engine. The thermal energy gained is then distributed through the vehicle's own heat exchanger as forced hot air and this heats the interior of the vehicle via existing air vents. The engine is warmed up with the residual heat in the cooling water.





# Accessories



**CRANKCASE VENTILATION FILTERS.** Contaminated crankcase emissions are a serious problem for diesel engine owners and the environment. These emissions are a result of gas escaping past piston rings and into the crankcase due to high cylinder pressures. In the crankcase, gases are contaminated with oil mist, water, etc. These contaminated emissions escape through the engine breather into the engine compartment and engine intake system.

Racor CCV Systems offer an effective solution to reduce contaminated crankcase emissions. CCV systems remove crankcase emissions, providing protection for the engine and the environment. In a robust, compact package, the closed crankcase ventilation filter systems provide superior oil coalescence and crankcase pressure control under the most severe conditions.

\* Keeps engine compartments and components clean.

- Prevents clogging of engine intakes, turbochargers, and intercoolers.
- Improves reliability and maintainability of diesel engines.

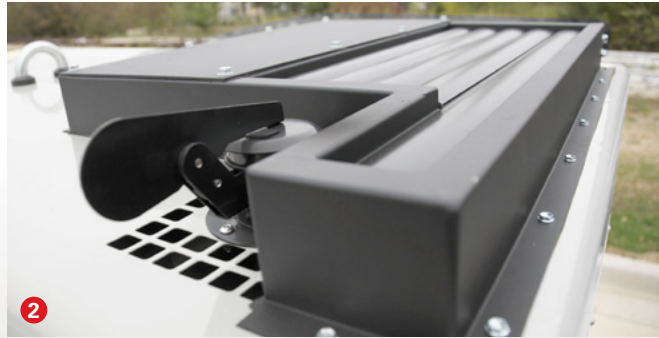
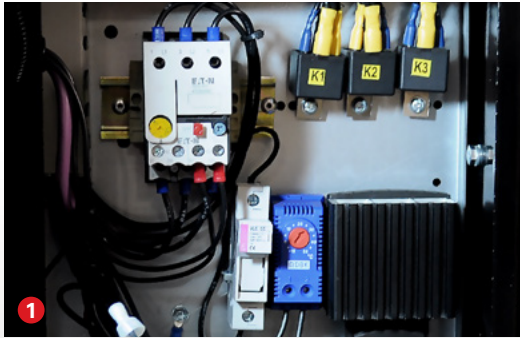
**TRANSFER SWITCHES.** GE's Zenith ZTG Series switches are built for standard applications requiring the dependability and ease of operation found in a power contactor switch.

- UL 1008 listed at 480 VAC
- CSA certified at 600 VAC (200-260 amps - 480V)
- IEC listed at 480V
- NFPA 70, 99, 101 and 110



**PART KITS.** Essential service and maintenance service part kits, specific to your HIPOWER generator.

Our diverse array of accessories helps companies protect their investments, maximize operating capacity and reduce total cost of ownership.



**1. CONTROL PANEL HEATERS.** A space heater that maintains the right temperature inside the control panel enclosure. Designed to provide enclosed electronic equipment with protection from low temperatures, condensation and corrosion.

The PTC (Positive Temperature Coefficient) heater unit maintains a stable temperature environment within enclosures, allowing critical components to perform with consistent reliability for longer periods.

Heating power adjusts to ambient temperatures to perform with consistent reliability for longer periods.

**2. ELECTRIC & HYDRAULIC SHUTTERS.** Automatic radiator shutters are designed to eliminate overcooling and avoid overheating by regulating the amount of ambient airflow through the radiator.

There are two configurations available. The electric version opens and closes in response to a thermostat installed in-

side the generator enclosure, the hydraulic version shutters open and close in response to changes in engine coolant temperature and help to maintain optimum engine operating temperatures—all while improving engine performance, durability, and fuel consumption.

**3. SNOW HOODS.** Air intake snow hoods reduce rain and snow entry protecting the generator from weather elements. Available for air intake and outlet.





**HIPOWER®**




## OUR DEDICATION TO LEAN SIX SIGMA

Lean Six Sigma is a methodology that combines the best principles of quality improvement and waste reduction, and it is changing the way companies conduct business. At HIPOWER SYSTEMS, we are at the forefront of this ongoing revolution, constantly striving to meet and exceed our customers' expectations while persistently looking for new ways to continuously improve our products. This highly disciplined

process helps us focus on developing superior products by identifying and eliminating waste and quality problems. Although the effort is transparent to our customers, the result is not. Our customers enjoy the benefit of access to high-quality, precision-engineered equipment with better customer service and more efficient delivery. We look forward to sharing the benefits of Lean Six Sigma with you.

**Melanie Bruns**  
Production & Warehouse Manager

 Packaged in the US



# HIPOWER®