

POWER YOU CAN COUNT ON

CAT® DIESEL & GAS GENERATORS

EMERGENCY

CLEARANCE 12'



Model	Fuel	Key Specs	Page
DG100	Natural Gas / Propane	100 ekW, 60 Hz, 208-600V	4
DG125	Natural Gas / Propane	125 ekW, 60 Hz, 208-600V	5
DG150	Natural Gas / Propane	150 ekW, 60 Hz, 208-600V	6
DG350	Natural Gas	350 ekW, 60 Hz, 120-600V	7
DG400	Natural Gas	400 ekW, 60 Hz, 120-600V	8
DG450	Natural Gas	450 ekW, 60 Hz, 120-600V	9
DG450 Compact	Natural Gas	450 ekW, 60 Hz, 480V	10
DG500	Natural Gas	500 ekW, 60 Hz, 120-600V	11

SCAN CODE
TO SIZE YOUR
GENERATOR



H.O.PENN
Since 1923



DEPENDABLE GAS POWER

Cat® gas generator sets are easy to select, permit, and install. Our industrial and commercial gas generator sets are proven for reliable operation with a wide range of gaseous fuels including natural gas, biogas from landfills and digesters, coal gas, propane, and alternative fuels. We build durable, low life-cycle cost power systems that we integrate with controls, exhaust systems, fuel train, combined cooling heat & power skids, and switchgear.

H.O. PENN PROVIDES CAT® POWER FOR ARBORS OF HOP BROOK

Manchester, CT



SERVING MANY SECTORS

- Agriculture
- Charging Stations
- Commercial
- Education
- Events
- Food and Beverage
- Government
- Healthcare
- Industrial
- Manufacturing
- Marine
- Refineries
- Utilities

FLEXIBLE OPTIONS

- Dual fuel
- Enclosure range
- Microgrid connectivity
- Genset paralleling
- Communication towers

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BENEFITS OF GAS PRODUCTS



H.O. Penn has encountered some unique challenges and developed innovative solutions for installing and servicing electric power generator sets in the high rises of New York City.

Meet your emissions goals: Natural gas products typically produce three times lower NOx emissions relative to diesel, as well as sharply reducing CO₂ and sulphur dioxide, reducing total site emissions.

Save on energy costs: In addition to backup power, you can leverage your gas generator set for other purposes, such as peak shaving and demand response programs, potentially resulting in additional savings and income.

More fuel options: Much of our generator portfolio can also be configured to operate on a variety of low carbon-intensity renewable fuels, including biogas and blended fuels such as hydrogen.

Peace of mind: Using pipeline natural gas rather than diesel means you don't have to worry about running out of fuel when the unexpected happens.



Marc Fronczek | EPG Technician | Poughkeepsie, NY



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DG100 GAS GENERATOR SET



Prime Rating	Frequency	Voltage
100 ekW	60 Hz	208 - 600V

These spark-ignited generator sets for Stationary Emergency applications provide a much cleaner and sustainable solution for your power needs. The ability to run on various types of gaseous fuels and automatic fuel changeover give these products the capability to power a wide range of applications.

Benefits

- Dual fuel compatibility (natural gas or propane) with gas regulator and automatic fuel changeover
- Steel and aluminum enclosures with L2 and L3 sound attenuation along with weatherproof and cold weather enclosure options
- Telematics connectivity
- Multi-breaker configuration options
- Caterpillar product support including dealer service, parts, and warranty



Scan for more details

Generator		Voltage	Emergency Standby (ekW)		Amp	
Frequency	Phase		Natural Gas	Propane	Natural Gas	Propane
60 Hz	1-Phase	240/120V	100	86	417	358
	3-Phase	480/277V	100	89	150	134
	3-Phase	240/120V	100	89	301	268
	3-Phase	240/139V	100	89	301	267
	3-Phase	208/120V	100	89	347	309
	3-Phase	600/346V	100	89	120	107

6.2L TCAC Gas	Metric	Imperial (English)
Configuration	V8, 4-Stroke	
Bore	101.6 mm	4 in
Stroke	95.3 mm	3.75 in
Displacement	6.2 L	378.3 in ³
Aspiration	TCAC	
Compression Ratio	9.8:1	
Engine Speed	1800 rpm	
Governor Type	Electronic	
Governor Class	ISO8528 G2	
Maximum power at rated speed – bkW (hp)		
Natural Gas	120	(161)
Propane	101	(135.4)

DG125 GAS GENERATOR SET



Prime Rating	Frequency	Voltage
125 ekW	60 Hz	208 - 600V

These spark-ignited generator sets for Stationary Emergency and Non-Emergency (Demand Response) applications provide a much cleaner and sustainable solution for your power needs. The ability to run on various types of gaseous fuels, automatic fuel changeover, and microgrid compatibility give these products the capability to power a wide range of applications.

Benefits

- Dual fuel compatibility (natural gas or propane) with gas regulator and automatic fuel changeover
- Microgrid connectivity
- Steel and aluminum enclosures with L2 and L3 sound attenuation along with weatherproof and cold weather enclosure options
- Telematics connectivity
- Multi-breaker configuration options
- Caterpillar product support including dealer service, parts, and warranty



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Generator		Voltage	Emergency Standby				Demand Response				Prime			
Frequency	Phase		Natural Gas		Propane		Natural Gas		Propane		Natural Gas		Propane	
			ekW	Amp	ekW	Amp	ekW	Amp	ekW	Amp	ekW	Amp	ekW	Amp
60 Hz	1-Phase	240/120V	NA	NA	NA	NA	100	417	86	358	86	358	86	358
	3-Phase	480/277V	125	188	150	177	104.8	158	98.4	148	87.6	131	87.6	131
	3-Phase	240/120V	125	376	150	352	104.8	315	98.4	296	87.6	263	87.6	263
	3-Phase	240/139V	125	376	150	352	104.8	315	98.4	296	87.6	263	87.6	263
	3-Phase	208/120V	125	434	150	409	104.8	364	98.4	342	87.6	301	87.6	301
	3-Phase	600/346V	125	150	150	141	104.8	126	98.4	117	87.6	105	87.6	105

6.2L TCAC Gas	Metric	Imperial (English)
Configuration	V8, 4-Stroke	
Bore	101.6 mm	4 in
Stroke	95.3 mm	3.75 in
Displacement	6.2 L	378.3 in ³
Aspiration	TCAC	
Compression Ratio	9.8:1	
Engine Speed	1800 rpm	
Governor Type	Electronic	
Governor Class	ISO8528 G2	
Maximum power at rated speed – bkW (hp)		
Natural Gas	152	(204)
Propane	131	(176)

DG150 GAS GENERATOR SET



Prime Rating	Frequency	Voltage
150 ekW	60 Hz	208 - 600V

These spark-ignited generator sets for Stationary Emergency and Non-emergency (Demand Response) applications provide a much cleaner and sustainable solution for your power needs. The ability to run on various types of gaseous fuels, automatic fuel changeover, and microgrid compatibility, give these products the capability to power a wide range of applications.

Benefits

- Dual fuel compatibility (natural gas or propane) with gas regulator and automatic fuel changeover
- Microgrid connectivity
- Steel and aluminum enclosures with L2 and L3 sound attenuation along with weatherproof and cold weather enclosure options
- Telematics connectivity
- Multi-breaker configuration options
- Caterpillar product support including dealer service, parts, and warranty



Scan for more details

Generator		Voltage	Emergency Standby				Demand Response				Prime			
Frequency	Phase		Natural Gas		Propane		Natural Gas		Propane		Natural Gas		Propane	
			ekW	Amp	ekW	Amp	ekW	Amp	ekW	Amp	ekW	Amp	ekW	Amp
60 Hz	1-Phase	240/120V	NA	NA	NA	NA	100	417	86	358	86	358	86	358
	3-Phase	480/277V	125	188	150	177	104.8	158	98.4	148	87.6	131	87.6	131
	3-Phase	240/120V	125	376	150	352	104.8	315	98.4	296	87.6	263	87.6	263
	3-Phase	240/139V	125	376	150	352	104.8	315	98.4	296	87.6	263	87.6	263
	3-Phase	208/120V	125	434	150	409	104.8	364	98.4	342	87.6	301	87.6	301
	3-Phase	600/346V	125	150	150	141	104.8	126	98.4	117	87.6	105	87.6	105

9.1L TCAC Gas	Metric	Imperial (English)
Configuration	V8, 4-Stroke	
Bore	109.5 mm	4.3 in
Stroke	120.7 mm	4.75 in
Displacement	9.1 L	555.3 in ³
Aspiration	TCAC	
Compression Ratio	9.5:1	
Engine Speed	1800 rpm	
Governor Type	Electronic	
Governor Class	ISO8528 G2	
Maximum power at rated speed – bkW (hp)		
Natural Gas	189	(253)
Propane	151	(202)

DG350 GAS GENERATOR SET

Prime Rating	Frequency	Voltage
350 ekW	60 Hz	240 - 600V



These spark-ignited lean burn generator sets for Stationary Standby and Demand Response applications offer reliable power with best-in-class fuel efficiency, a lower footprint, and cleaner exhausts. The ability to operate even at very low fuel inlet pressures makes them well-suited for a range of applications.

Benefits

- Lean burn (with no aftertreatment) natural gas engine
- Best-in-class average fuel consumption and highest power density
- Low pressure/high pressure gas fuel trains available as option
- Microgrid connectivity
- Sound attenuation steel and aluminum enclosures along with weatherproof and cold weather enclosure options
- Telematics connectivity
- Multi-breaker configuration options
- Caterpillar product support including dealer service, parts, and warranty



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Product Walkaround Video

Generator		Voltage	Standby/Demand Response (ekW)	Amp
Frequency	Phase	Natural Gas		
60 Hz	3-Phase	480/277V	350	526
		240/139V	350	1052
		208/120V	350	1214
		240/120V	350	1052
		600/346V	350	421

18.1L Lean Burn TCAC Gas	Metric	Imperial (English)
Configuration	In-line 6, 4-Stroke	
Bore	145 mm	5.7 in
Stroke	183 mm	7.2 in
Displacement	18.1 L	1106.3 in ³
Aspiration	TCAC	
Compression Ratio	10.5:1	
Engine Speed	1800 rpm	
Governor Type	Electronic	
Governor Class	ISO8528 G2	
Maximum power at rated speed – bkW (hp) Natural Gas	405	(543)

DG400 GAS GENERATOR SET



Prime Rating	Frequency	Voltage
400 ekW	60 Hz	240 - 600V

These spark-ignited lean burn generator sets for Stationary Standby, Demand Response, and Limited Time Power applications offer reliable power with best-in-class fuel efficiency, a lower footprint, and cleaner exhausts. The ability to operate even at very low fuel inlet pressures makes them well-suited for a range of applications.

Benefits

- Lean burn (with no aftertreatment) natural gas engine
- Best-in-class average fuel consumption and highest power density
- Low pressure/high pressure gas fuel trains available as option
- Microgrid connectivity
- Sound attenuation steel and aluminum enclosures along with weatherproof and cold weather enclosure options
- Telematics connectivity
- Multi-breaker configuration options
- Caterpillar product support including dealer service, parts, and warranty



Scan for more details



Product Walkaround Video

Generator		Voltage	Standby/Demand Response (ekW)	Limited Time Power (ekW)	Amp	
Frequency	Phase				Standby/Demand Response	Limited Time Power
60 Hz	3-Phase	480/277V	400	350	601	526
		240/139V	400	350	1203	1052
		208/120V	400	350	1388	1214
		240/120V	400	350	1203	1052
		600/346V	400	350	481	421

18.1L Lean Burn TCAC Gas	Metric	Imperial (English)
Configuration	In-line 6, 4-Stroke	
Bore	145 mm	5.7 in
Stroke	183 mm	7.2 in
Displacement	18.1 L	1106.3 in ³
Aspiration	TCAC	
Compression Ratio	10.5:1	
Engine Speed	1800 rpm	
Governor Type	Electronic	
Governor Class	ISO8528 G2	
Maximum power at rated speed – bkW (hp) Natural Gas	459	(616)

DG450 GAS GENERATOR SET



Prime Rating	Frequency	Voltage
450 ekW	60 Hz	240 - 600V

These spark-ignited lean burn generator sets for Stationary Standby, Demand Response, and Limited Time Power applications offer reliable power with best-in-class fuel efficiency, a lower footprint, and cleaner exhausts. The ability to operate even at very low fuel inlet pressures makes it well-suited for a range of applications.

Benefits

- Learn burn (with no aftertreatment) natural gas engine
- Best-in-class average fuel consumption and highest power density
- Low pressure/high pressure gas fuel trains available as option
- Microgrid connectivity
- Sound attenuation steel and aluminum enclosures along with weatherproof and cold weather enclosure options
- Telematics connectivity
- Multi-breaker configuration options
- Caterpillar product support including dealer service, parts, and warranty



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Product Walkaround Video

Generator		Voltage	Standby/Demand Response (ekW)	Limited Time Power (ekW)	Amp	
Frequency	Phase				Standby/Demand Response	Limited Time Power
60 Hz	3-Phase	480/277V	450	400	677	601
		240/139V	450	400	1353	1203
		208/120V	450	400	1561	1388
		240/120V	450	400	1353	1203
		600/346V	450	400	541	481

18.1L Lean Burn TCAC Gas	Metric	Imperial (English)
Configuration	In-line 6, 4-Stroke	
Bore	145 mm	5.7 in
Stroke	183 mm	7.2 in
Displacement	18.1 L	1106.3 in ³
Aspiration	TCAC	
Compression Ratio	10.5:1	
Engine Speed	1800 rpm	
Governor Type	Electronic	
Governor Class	ISO8528 G2	
Maximum power at rated speed – bkW (hp) Natural Gas	513	(688)

DG450 COMPACT GAS GENERATOR SET



Prime Rating	Frequency	Voltage
450 ekW	60 Hz	480V

These spark-ignited rich burn gas generator sets can be used for Emergency Standby, Prime, Demand Response, and Limited Time Power applications. They also offer reliable power with superior fuel efficiency, a lower footprint, and cleaner exhausts with ultra-low-NOx capability. This also comes with an optional paralleling configuration of up to 4 units in conjunction with a switchgear built on a Distributed Energy Resources (DERs) technology platform. The DERs technology continuously monitors, analyzes, and controls multiple energy sources.

Benefits

- Emission compliance with East Texas permitting standard with ultra-low NOx capability
- Unique configuration reduces product footprint, saving significant space.
- Product design helps reduce installation time and costs.
- You can parallel up to 4 models, side by side, to produce up to 1800 ekW.
- Switchgear comes preconfigured with grid connect hardware, meaning our Distributed Energy Resource Management System, Cat AMP, can easily be enabled for your site. You can use Cat AMP to participate in additional economic opportunities and deliver further savings.
- Caterpillar product support including dealer service, parts, and warranty.



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Product Walkaround Video

Generator		Voltage	Emergency Standby		Demand Response/ Limited Time Power		Prime	
Frequency	Phase		ekW	Amp	ekW	Amp	ekW	Amp
60 Hz	3-Phase	480V	450	677	425	639	400	601

21.9L Rich Burn TCAC Gas	Metric	Imperial (English)
Configuration	V12 4-Stroke	
Bore	128 mm	5.04 in
Stroke	142 mm	5.6 in
Displacement	21.9 L	1336.4 in ³
Aspiration	TCAC	
Compression Ratio	10.2:1	
Engine Speed	1800 rpm	
Governor Type	Electronic	
Governor Class	ISO8528 G2	
Maximum power at rated speed – kW (hp) Natural Gas	510	(684)

DG500 GAS GENERATOR SET



Prime Rating	Frequency	Voltage
500 ekW	60 Hz	240 - 600V

These spark-ignited lean burn generator sets for Stationary Standby, Demand Response, and Limited Time Power applications offer reliable power with best-in-class fuel efficiency, a lower footprint, and cleaner exhausts. The ability to operate even at very low fuel inlet pressures makes it well-suited for a range of applications.

Benefits

- Learn burn (with no aftertreatment) natural gas engine
- Best-in-class average fuel consumption and highest power density
- Low pressure/high pressure gas fuel trains available as option
- Microgrid connectivity
- Sound attenuation steel and aluminum enclosures along with weatherproof and cold weather enclosure options
- Telematics connectivity
- Multi-breaker configuration options
- Caterpillar product support including dealer service, parts, and warranty



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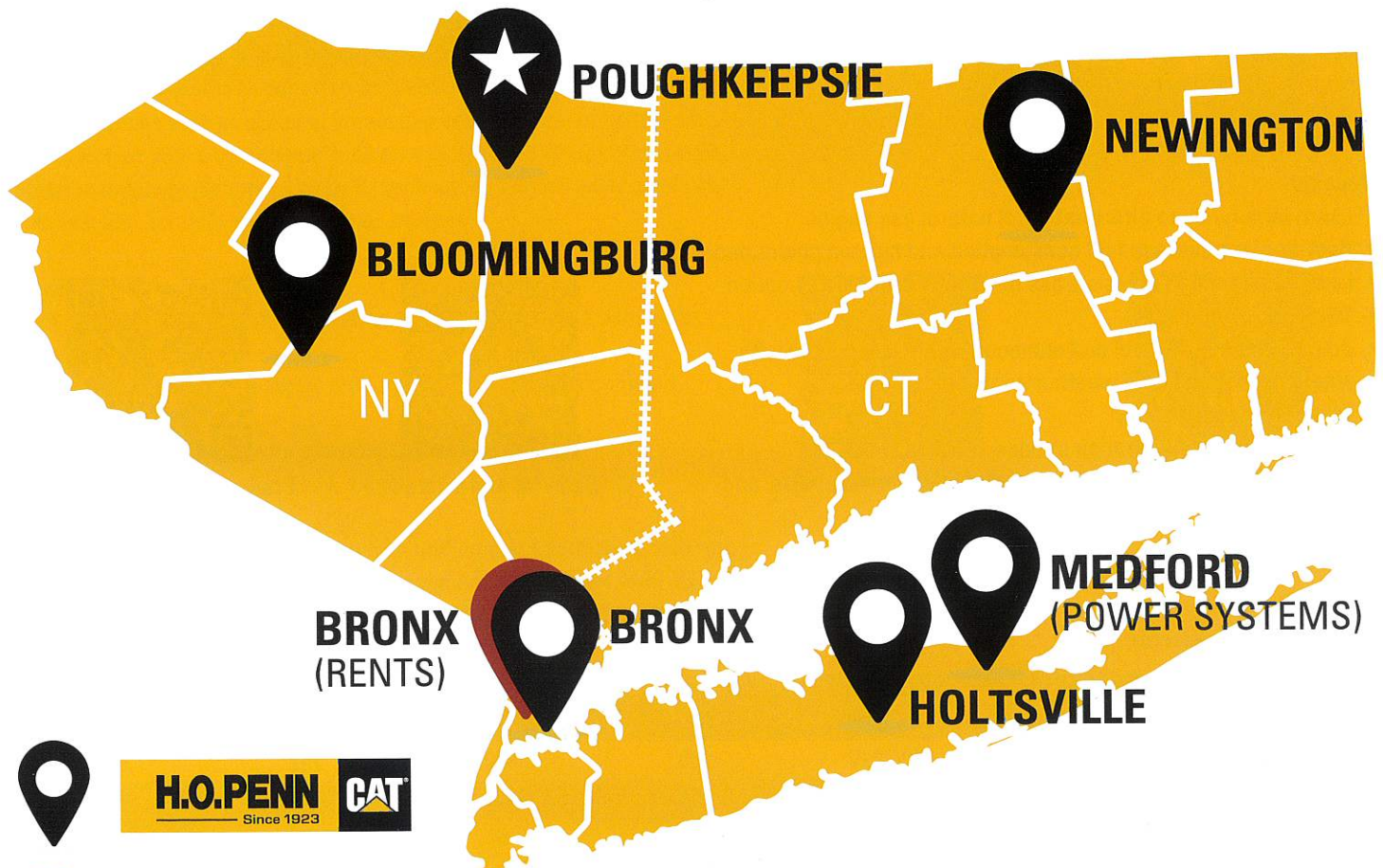


Product Walkaround Video

Generator		Voltage	Standby/Demand Response (ekW)	Limited Time Power (ekW)	Amp	
Frequency	Phase				Standby/Demand Response	Limited Time Power
60 Hz	3-Phase	480/277V	500	450	752	677
		240/139V	500	450	1504	1353
		208/120V	500	450	1735	1561
		240/120V	500	450	1504	1353
		600/346V	500	450	601	541

18.1L Lean Burn TCAC Gas	Metric	Imperial (English)
Configuration	In-line 6, 4-Stroke	
Bore	145 mm	5.7 in
Stroke	183 mm	7.2 in
Displacement	18.1 L	1106.3 in ³
Aspiration	TCAC	
Compression Ratio	10.5:1	
Engine Speed	1800 rpm	
Governor Type	Electronic	
Governor Class	ISO8528 G2	
Maximum power at rated speed – bkW (hp) Natural Gas	567	(760)

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