

CNG & LPG Generator Systems

Commercial to Industrial | 20–350 kWe

ENGINE COOLING
Water-Cooled — 24/7 Prime Duty

13 Models CNG & LPG	50,000 hrs Field Runtime	Cummins Engine Platform	2 YR / 2,000 HR Warranty
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Light Commercial — 20–60 kWe

Heavy Commercial — 80–150 kWe

Industrial — 180–350 kWe



Light Commercial – 20 to 60 kWe LP Vapor & Liquid + CNG | DN25 Gas Inlet

Model SKU	Power (Prime kWe)	Engine	Fuel Type	Gas Inlet	Pressure	Gas Consumption @ Full Load
HF-NG020-LC	20 kWe	Cummins 4B3.9	LP Vapor & CNG	DN25 / 1"	1–3 kPa	9 m ³ /hr 317,700 BTU/hr
HF-NG030-LC	30 kWe	Cummins 4BTAA3.9	LP Vapor & CNG	DN25 / 1"	1–3 kPa	12 m ³ /hr 423,600 BTU/hr
HF-NG050-LC	50 kWe	Cummins 4BTAA3.9	LP Vapor & CNG	DN25 / 1"	1–3 kPa	18 m ³ /hr 635,400 BTU/hr
HF-NG060-LC	60 kWe	Cummins 6B5.9	LP Liquid & CNG	DN25 / 1"	1–3 kPa	24 m ³ /hr 847,200 BTU/hr

Common Specifications

Alternator	Stamford – Brushless Self-Exciting
Power Factor	0.8
Frequency	50Hz & 60Hz Switchable
Efficiency	33–35% Electrical
Fuel Control	Electronic
Compression	10.5 : 1
Cooling	Water-Cooled
Battery Charger	Included W/ Receptacle
Coolant Heater	Included W/ Receptacle
Remote Start	2-Way Remote Start Terminals
Warranty	2 Years / 2,000 Hours
Enclosure	Open Frame Silent Option Available
Option: ATS	Built-in ATS or Standalone ATS Panel
Option: Monitor	DES890 4G Remote Monitoring Module

Output Voltage Options
North America

- Single-Phase 120/240 VAC @ 1.0pf
- 3-Phase 120/208 VAC @ 0.8pf
- 3-Phase 120/240 VAC @ 0.8pf
- 3-Phase 277/480 VAC @ 0.8pf
- 3-Phase 346/600 VAC @ 0.8pf
- ★ Custom voltage available upon request

International

- 3-Phase 220/380 VAC @ 0.8pf
- 3-Phase 230/400 VAC @ 0.8pf
- ★ Custom voltage available upon request

Engine, Fuel & Cooling System

- Oil Drain Extension
- Heavy Duty Air Cleaner
- Air Filter Restriction Indicator
- Fan Guard
- SS Flexible Exhaust Connection
- Factory Filled Oil & Coolant
- Oil Temperature Sender with Alarm
- Primary & Secondary Fuel Shutoff
- NPT Fuel Connection on Frame
- Closed Coolant Recovery System
- UV/Ozone Resistant Hoses
- Factory-Installed Radiator
- Radiator Drain Extension

Alternator, Control & Protection

- Class H Insulation | Brushless Excitation
- Sealed Bearing | Skewed Stator | 2/3 Pitch
- Full Load Capacity Alternator | UL2200
- Internal Genset Vibration Isolation
- Wrapped Exhaust Piping
- Separation of Circuits – High/Low Voltage
- DSE7320 Controller | UL / NFPA IIO Lvl 1
- Digital Engine Governor + Voltage Regulator
- Modbus RTU / TCP/IP + Ethernet Remote Comms
- Alarm & Event Logging with Real-Time Stamp
- High/Low Oil Pressure & Coolant Level Alarms
- Over/Under Volt, Freq & Speed Protection
- Over Current | Phase Short Circuit Protection



Model	Enclosure (mm)	Enclosure (in)	Weight (kg)	Weight (lb)
20 kWe	2650x1110x1690 mm	104.3x43.7x66.5 in	990 kg	2,183 lb
30 kWe	2650x1110x1690 mm	104.3x43.7x66.5 in	1,020 kg	2,249 lb
50 kWe	3000x1160x1780 mm	118.1x45.7x70.1 in	1,600 kg	3,527 lb
60 kWe	3000x1160x1780 mm	118.1x45.7x70.1 in	1,600 kg	3,527 lb

CE Marked

UL/CSA Ready

ISO 8528

IEC 60034

Heavy Commercial – 80 to 150 kWe LP Liquid + CNG | DN25 - DN32 Gas Inlet

Model SKU	Power (Prime kWe)	Engine	Fuel Type	Gas Inlet	Pressure	Gas Consumption @ Full Load
HF-NG080-HC	80 kWe	Cummins 6BTAA5.9	LP Liquid & CNG	DN25 / 1"	1-3 kPa	30 m ³ /hr 1,059,000 BTU/hr
HF-NG100-HC	100 kWe	Cummins 6BTAA5.9	LP Liquid & CNG	DN25 / 1"	1-3 kPa	36 m ³ /hr 1,270,800 BTU/hr
HF-NG120-HC	120 kWe	Cummins 6CTAA8.3	LP Liquid & CNG	DN32 / 1¼"	1-3 kPa	45 m ³ /hr 1,588,500 BTU/hr
HF-NG150-HC	150 kWe	Cummins 6LT8.9	LP Liquid & CNG	DN32 / 1¼"	1-3 kPa	54 m ³ /hr 1,906,200 BTU/hr

Common Specifications

Alternator	Stamford – Brushless Self-Exciting
Power Factor	0.8
Frequency	50Hz & 60Hz Switchable
Efficiency	33–35% Electrical
Fuel Control	Electronic
Compression	10.5 : 1
Cooling	Water-Cooled
Battery Charger	Included W/ Receptacle
Coolant Heater	Included W/ Receptacle
Remote Start	2-Way Remote Start Terminals
Warranty	2 Years / 2,000 Hours
Enclosure	Open Frame Silent Option Available
Option: ATS	Built-in ATS or Standalone ATS Panel
Option: Monitor	DES890 4G Remote Monitoring Module

Output Voltage Options
North America

- Single-Phase 120/240 VAC @ 1.0pf
- 3-Phase 120/208 VAC @ 0.8pf
- 3-Phase 120/240 VAC @ 0.8pf
- 3-Phase 277/480 VAC @ 0.8pf
- 3-Phase 346/600 VAC @ 0.8pf
- ★ Custom voltage available upon request

International

- 3-Phase 220/380 VAC @ 0.8pf
- 3-Phase 230/400 VAC @ 0.8pf
- ★ Custom voltage available upon request

Engine, Fuel & Cooling System

- Oil Drain Extension
- Heavy Duty Air Cleaner
- Air Filter Restriction Indicator
- Fan Guard
- SS Flexible Exhaust Connection
- Factory Filled Oil & Coolant
- Oil Temperature Sender with Alarm
- Primary & Secondary Fuel Shutoff
- NPT Fuel Connection on Frame
- Closed Coolant Recovery System
- UV/Ozone Resistant Hoses
- Factory-Installed Radiator
- Radiator Drain Extension

Alternator, Control & Protection

- Class H Insulation | Brushless Excitation
- Sealed Bearing | Skewed Stator | 2/3 Pitch
- Full Load Capacity Alternator | UL2200
- Internal Genset Vibration Isolation
- Wrapped Exhaust Piping
- Separation of Circuits – High/Low Voltage
- DSE7320 Controller | UL / NFPA 110 Lvl 1
- Digital Engine Governor + Voltage Regulator
- Modbus RTU / TCP/IP + Ethernet Remote Comms
- Alarm & Event Logging with Real-Time Stamp
- High/Low Oil Pressure & Coolant Level Alarms
- Over/Under Volt, Freq & Speed Protection
- Over Current | Phase Short Circuit Protection



Model	Enclosure (mm)	Enclosure (in)	Weight (kg)	Weight (lb)
80 kWe	3000x1160x1780 mm	118.1x45.7x70.1 in	1,700 kg	3,748 lb
100 kWe	3000x1160x1780 mm	118.1x45.7x70.1 in	1,700 kg	3,748 lb
120 kWe	3300x1210x1780 mm	129.9x47.6x70.1 in	2,050 kg	4,519 lb
150 kWe	3300x1210x1780 mm	129.9x47.6x70.1 in	2,050 kg	4,519 lb

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Industrial – 180 to 350 kWe

CNG | DN32 - DN40 Gas Inlet

Model SKU	Power (Prime kWe)	Engine	Fuel Type	Gas Inlet	Pressure	Gas Consumption @ Full Load
HF-NG180-ID	180 kWe	Cummins 6LT9.5	CNG	DN32 / 1¼"	1–3 kPa	61 m³/hr 2,153,300 BTU/hr
HF-NG200-ID	200 kWe	Cummins 12N	CNG	DN50 / 2"	3–5 kPa	66 m³/hr 2,329,800 BTU/hr
HF-NG250-ID	250 kWe	Cummins 12N	CNG	DN50 / 2"	3–5 kPa	72 m³/hr 2,541,600 BTU/hr
HF-NG300-ID	300 kWe	Cummins 15N	CNG	DN50 / 2"	3–5 kPa	87 m³/hr 3,071,100 BTU/hr
HF-NG350-ID	350 kWe	Cummins 15N	CNG	DN50 / 2"	3–5 kPa	100 m³/hr 3,530,000 BTU/hr

Common Specifications

Alternator	Stamford — Brushless Self-Exciting
Power Factor	0.8
Frequency	50Hz & 60Hz Switchable
Efficiency	33–35% Electrical
Fuel Control	Electronic
Compression	11 : 1
Cooling	Water-Cooled
Battery Charger	Included W/ Receptacle
Coolant Heater	Included W/ Receptacle
Remote Start	2-Way Remote Start Terminals
Warranty	2 Years / 2,000 Hours
Enclosure	Open Frame Silent Option Available
Option: ATS	Built-in ATS or Standalone ATS Panel
Option: Monitor	DES890 4G Remote Monitoring Module

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- Over Current | Phase Short Circuit Protection

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Model	Enclosure (mm)	Enclosure (in)	Weight (kg)	Weight (lb)
180 kWe	3600x1400x2000 mm	141.7x55.1x78.7 in	2,300 kg	5,071 lb
200 kWe	3600x1400x2000 mm	141.7x55.1x78.7 in	2,300 kg	5,071 lb
250 kWe	3900x1550x2250 mm	153.5x61.0x88.6 in	3,200 kg	7,055 lb
300 kWe	3900x1550x2250 mm	153.5x61.0x88.6 in	3,300 kg	7,275 lb
350 kWe	3900x1550x2250 mm	153.5x61.0x88.6 in	3,300 kg	7,275 lb

50,000 hrs
Proven Field Runtime

2-Hour FAT
Full Load Test Before Shipment

24/7 Prime
Water-Cooled Continuous Duty

DN25-DN40
Standard Gas Inlet

Cummins
Global Parts Network

Bosch
Spark Plugs — Available Everywhere

"Is a converted gas engine reliable enough for my facility?"

Proven Before It Ships. Proven in the Field.

01

50,000 Hours	Proven field runtime per engine model — not a lab spec
2-Hour FAT	Full-load acceptance test documented before every unit ships
24/7 Prime Duty	Water-cooled Cummins — engineered for continuous operation
Not a Conversion	Factory-integrated gas platform, not a field retrofit



Bosch Spark Plug
FR7KPP33+ | Universal



AFC Shutoff Valve
24VDC | Standardspec

"Gas generator installation is complicated and slow"

Ready to Install. Ready to Permit. Ready to Run.

02

Standard Inlets	DN25 / DN32 / DN40 — connects to any commercial gas supply
Full BoM Included	Bill of Materials, wiring diagrams & shop drawings with every unit
Permit Package	All documents formatted for city submittal & code compliance
Haifeng Supports	We assist with city submissions and approval process alongside you



IMPCO Regulator
Model L | W.P.312PSI



Madas Regulator
Pietro Fiorentini | EU

"What if I cannot source parts years from now - like with Cat or Generac?"

100% Open Supply Chain. No Brand Lock-In. Ever.

03

Cummins Engine	500+ dealers worldwide — any part number sourced same-day, locally
Bosch Spark Plugs	Standard ignition — available at any auto or industrial supplier globally
IMPCO Mixer	Industry-standard gas/air mixer — not proprietary, not exclusive
Madas Regulator	Standard gas regulator — serviceable by any licensed gas technician

READY TO SPEC YOUR PROJECT?

Book a Pre-Sales Meeting

with a WDG Account Executive

Site load analysis · Fuel supply review · Code & permit guidance · Custom sizing

sales@Wholesale-Generators.com | Call Us: 423-220-3500 Ext 2

No obligation. Our engineers come prepared.