

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

4,000 hr
Warranty

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 m³/hr 317,700 BTU/hr
HF-NG030-LC	30 kWe	Cummins 4BTAA3.9	LP Vapor & CNG	DN25 / 1"	1–3 kPa	12 m³/hr 423,600 BTU/hr
HF-NG050-LC	50 kWe	Cummins 4BTAA3.9	LP Vapor & CNG	DN25 / 1"	1–3 kPa	18 m³/hr 635,400 BTU/hr
HF-NG060-LC	60 kWe	Cummins 6B5.9	LP Liquid & CNG	DN25 / 1"	1–3 kPa	24 m³/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	4,000 Hours / 24 Months
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 (kWe)	Enclosure (mm)	Enclosure (in)	Weight (kg)	Weight (lb)
20 kWe	2650×1110×1690 mm	104.3×43.7×66.5 in	990 kg	2,183 lb
30 kWe	2650×1110×1690 mm	104.3×43.7×66.5 in	1,020 kg	2,249 lb
50 kWe	3000×1160×1780 mm	118.1×45.7×70.1 in	1,600 kg	3,527 lb
60 kWe	3000×1160×1780 mm	118.1×45.7×70.1 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 m³/hr 1,059,000 BTU/hr
HF-NG100-HC	100 kWe	Cummins 6BTAA5.9	LP Liquid & CNG	DN25 / 1"	1–3 kPa	36 m³/hr 1,270,800 BTU/hr
HF-NG120-HC	120 kWe	Cummins 6CTAA8.3	LP Liquid & CNG	DN32 / 1½"	1–3 kPa	45 m³/hr 1,588,500 BTU/hr
HF-NG150-HC	150 kWe	Cummins 6LT8.9	LP Liquid & CNG	DN32 / 1½"	1–3 kPa	54 m³/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	4,000 Hours / 24 Months
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 (kWe)	Enclosure (mm)	Enclosure (in)	Weight (kg)	Weight (lb)
80 kWe	3000×1160×1780 mm	118.1×45.7×70.1 in	1,700 kg	3,748 lb
100 kWe	3000×1160×1780 mm	118.1×45.7×70.1 in	1,700 kg	3,748 lb
120 kWe	3300×1210×1780 mm	129.9×47.6×70.1 in	2,050 kg	4,519 lb
150 kWe	3300×1210×1780 mm	129.9×47.6×70.1 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	4,000 Hours / 24 Months
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
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Model (kWe)	Enclosure (mm)	Enclosure (in)	Weight (kg)	Weight (lb)
180 kWe	3600×1400×2000 mm	141.7×55.1×78.7 in	2,300 kg	5,071 lb
200 kWe	3600×1400×2000 mm	141.7×55.1×78.7 in	2,300 kg	5,071 lb
250 kWe	3900×1550×2250 mm	153.5×61.0×88.6 in	3,200 kg	7,055 lb
300 kWe	3900×1550×2250 mm	153.5×61.0×88.6 in	3,300 kg	7,275 lb
350 kWe	3900×1550×2250 mm	153.5×61.0×88.6 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

01
"Is a converted gas engine reliable enough for my facility?"
Proven Before It Ships. Proven in the Field.

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 | Standard spec

02
"Gas generator installation is complicated and slow"
Ready to Install. Ready to Permit. Ready to Run.

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. 312 PSI

Madas Regulator
Pietro Fiorentini | EU

03
"What if I cannot source parts years from now - like with Cat or Generac?"
100% Open Supply Chain. No Brand Lock-In. Ever.

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 Haifeng Key Account Executive

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

sales@haifengmachinery.com | WhatsApp: +1 416 317 9500

No obligation. Our engineers come prepared.

