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Model **CIPR-25K**

FEATURES

• Prototype & Production Tested Design	**Alternator**
• Wide range of options and accessories available	• Clean power with the Mecc Alte ECP28-VL
• Simple access for maintenance and operations	• Regulator provides 0.5% voltage regulation
• Weatherproof enclosure with 110% fluid containment	• High efficiency alternator
• Safety guards for all electrical connections and moving parts	**Engine**
• Lockable latches standard with key or external lock	• Heavy duty Kubota WG2503 engine
• Engineered vibration dampening system	• E Controls Fuel System
• Single point lifting bail system, engineered and rated	• Enviroment Canada / US EPA emmisions compliance
• Rugged base frame and enclosure for mobile applications	• Integral mechanical fan system optional electrical cooling system
• Internal silencer and catalytic converters	• Complete with engine fluids, ready for operation
• All parts powder coated or galvanized	**Controls**
• Murphy low oil protection standard on all models	• Standard controls: DEIF SGC 120
• Power distribution system is customizable Eco Glands	• Emergency stop externally accessible
• Optional long run oil tank options	• Remote cellular or satellite telematic ready
• Display of all critical genset measures	• Fully programmable controller for application integration

UNIT SPECIFICATIONS

60 HZ

(Reference Power conditions are ISO 8528, barometric pressure 100 kPa, temperature 25°C, humidity 30%.)

Compliance / Approvals	***ETL***			
	Natural Gas		***Propane***	
	Power	***Amps @ 0.8 PF***	***Power***	***Amps @ 0.8 PF***
Standby Power	***31*** kVA ***23*** kW	*80* @ 208, 3Ø 120 @ 240, 1Ø	***33*** kVA ***26*** kW	*90* @ 208, 3Ø 135 @ 240, 1Ø
Prime Power	***29*** kVA ***20*** kW	*69* @ 208, 3Ø 104 @ 240, 1Ø	***30*** kVA ***24*** kW	*83* @ 208, 3Ø 125 @ 240, 1Ø
Weight	***2375*** lbs	1079.5 kgs		
Frequency	***60*** Hertz			
Phase	***3*** Phase			
Power Factor	***0.8*** Cosφ			
Power Distribution (Standard)	*• 4 x 120v GFCI, 20 Amp Duplex* *• 2 x 125/250v 30 Amp twistlock* *• 2 x 125/250v 50 amp twistlock* *• Hard Wire Lugs with shunt trip controlled door*			

Model Variations Available

• Gas control systems and pressure sensors	• LPG liquid vaporizer kit
• Gas pretreatment including liquid and pressure protections	• Combined heat and power configurations for processes that can benefit from heat recovery
• Voltages: 120/208, 120/240, 220/380, 277/480, 400, 347/600	• Custom electrical distribution and distribution packages, integrated cam lock or receptacle panels, transformer panels for multiple voltages
• Switchable Frequency 50 and 60 HZ capable	• Electric cooling system
• Deep Sump Oil Pan Systems: Extended Oil Change Intervals	• Electric or Gas fired block heater
• Synchronizing/paralleling control and electrical system	• Customer specification electrical distribution package
• Cellular or satellite telematic system integration	• Switchable Voltage System (120/240 - 120/208 - 277/480 - 347/600)

Power Rating

Prime Rating

They are designed for supplying continuous power at variable loads in place of commercially purchased power. This rating is the maximum power available at variable loads with no limit on the number of annual hours. This rating allows for a 10% overload for a limited number of hours, typically 1 hour every 12 hours.

Standby Rating

These ratings are applicable for supplying continuous electrical power (at variable load) in the event of a utility power failure. No overload is permitted on these ratings. The alternator on this model is peak continuous tested (as defined in ISO 8528-3).

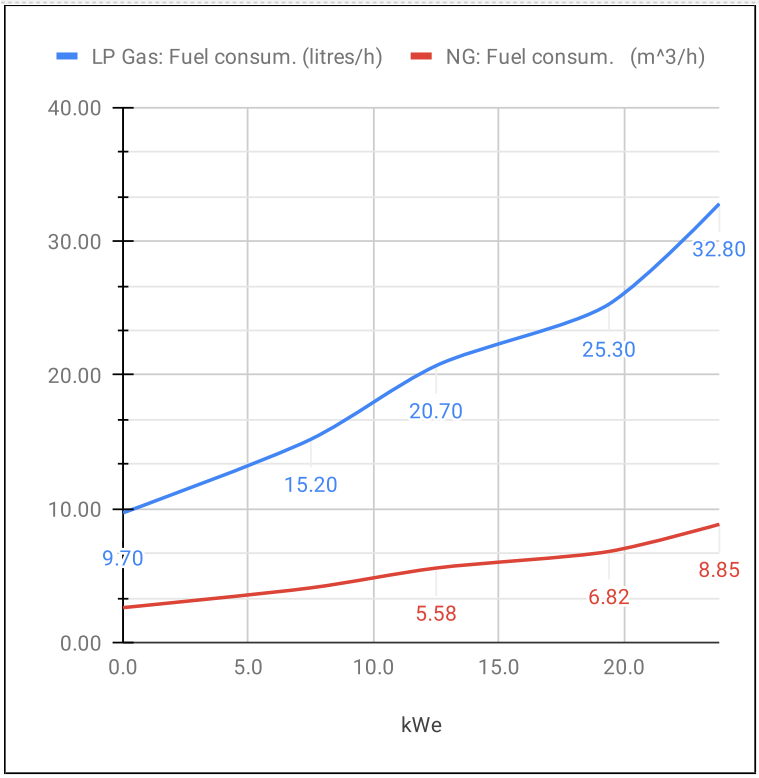
Site Derating

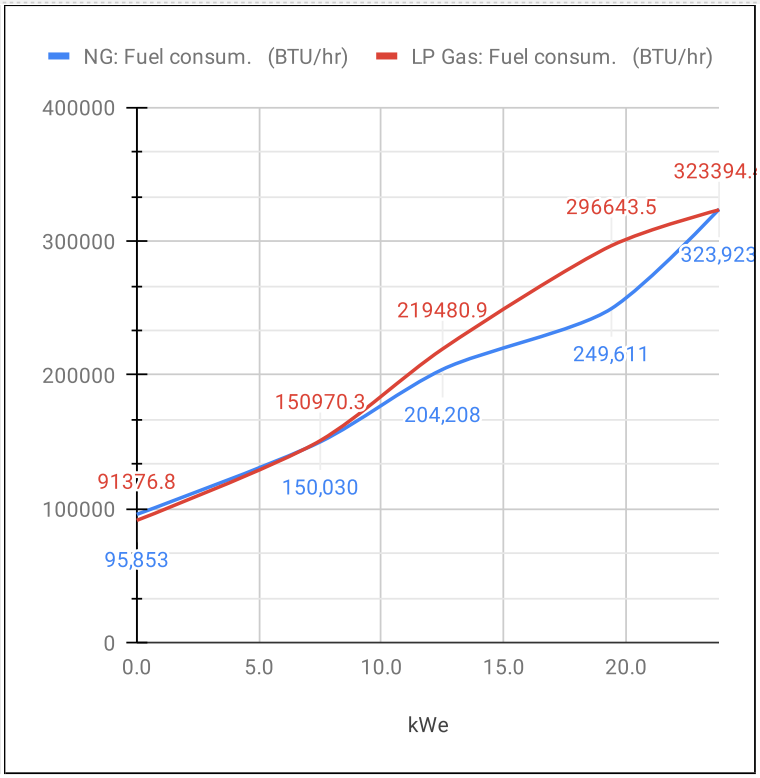
Local conditions may require the derating of the generator output. Use these guidelines for derating as need: 3% for each 300m/1000 ft above sea level, 1.5% per 5°C over 25%, and 1.5% per 10% relative humidity above 30%. Actual derating varies slightly by engine model. Derating may also be required pending the fuel quality available on your specific location. Contact us with a copy of your gas analysis and site conditions for review.

Engine

Manufacturer	*Kubota*
Model	WG2503
Stroke	4
Fuel	Natural Gas or Vapour Propane
Emissions Compliance	Enviroment Canada / US EPA
Number and disposition of cylinders	I4, Inline
Total Displacement	2491 cc
Air Intake	Naturally Aspirated
Starting System	Electric - 12V
Speed / Speed Governor	1800 RPM
Lube Oil Capacity	7.5 L / 2.0 GAL
Oil Type (See chart based on ambient operating temps in manual)	API SL or higher SAE10W-30
Engine Cooling Fan System	Mechanical
Coolant Capacity	
Fuel Guidelines	Propane HD5; ≥ 90% PROPANE (C3H8), ≤ 5% (C3H6), ≤ 5% OTHER Utility Natural Gas ≥ 75 MN, ≥ 70% (CH4), 950-1100 BTU/SCF (HHV) Well Head Gas: ≥ 75 MN, ≥ 70% (CH4), 700-2362 BTU/SCF (LHV)

Fuel Consumption





ALTERNATOR

Make / Model	Mecc Alte ECP28-VL
Regulator	DSR
Compliance	CSA C22.2-100, NEMA MG1-32, IEC 34
Poles	4
Speed	1800 RPM
Frequency	60 HZ
Voltage Regulation	1.50%
Continuous 125/40 ° C Rating	30 kVa
Standby 150/40 ° C Rating	30.5 kVa
Power Factor	0.8
Generator End Efficiency @ 100% Load	90%
Harmonic Distortion	<5%
Alternator IP Protection / Insulation	IP23 / Class H

APPLICATION DATA

GENSET CONTROL PANEL

Model	DEIF SGC 120
Function	Auto Control Module
Country of Origin	Denmark

- 4-Line back-lit LCD text display
- Front panel editing with PIN protection
- Modules can be integrated to building management systems
- IP65 rating
- PLC editor allows user configurable functions
- Configurable event log (250)
- 3 configurable maintenance alarms

PROTECTIONS

- kW protection
- Low Oil Pressure
- High Engine Temperature
- Start Fail
- Low Coolant Level
- +/- Batt Volts
- Over/Under Speed
- Tamper Proof Hour Meter

Power: High/Low Voltage, Current

- Over/Under Speed
- Tamper Proof Hour Meter
- Earth Fault
- Battery Charging Voltage
- Mains Monitoring
- Low oil level (with optional monitoring system)
- Phase imbalance
- ECU diagnostics

ENGINE:

- Cast iron block, one piece forged crankshaft
- Pusher type fan with radiator
- Forged connecting rods
- Proven ECM control system
- Long term proven design and longevity
- Global support network
- J1939 Standard Controls and Communication
- Separate cast iron cylinder heads and replaceable dry cylinder liners
- Max gas inlet temperature 35C/95F
- High thermal efficiency
- Designed and capable of long term 24/7 operation
- Standard parts and maintenance kits for lifetime ops
- Premium fuel system for accurate speed control
- 750 Hour Maintenance Interval (See engine spec for exact specification for maintenance interval)

Kubota

Additional Services Available

- Installation
- Start Up / Commissioning
- Product Training
- On going product support
- Field Maintenance
- Remote monitoring to command centre

Additional Options Available

- Enclosure custom paint colours
- PMG generator (most models)
- 3 Phase sensing AVR
- Alternator winding coatings
- Key Switch options over digital (not available on most models)

DIMENSIONS