

Model

CIPR-50K



FEATURES

- Prototype & Production Tested Design
- Wide range of options and accessories available
- Simple access for maintenance and operations
- Weatherproof enclosure with 110% fluid containment
- Safety guards for all electrical connections and moving parts
- Lockable latches standard with key or external lock
- Engineered vibration dampening system
- Single point lifting bail system, engineered and rated
- Rugged base frame and enclosure for mobile applications
- Internal silencer and catalytic converters
- All parts powder coated or galvanized
- Murphy low oil protection standard on all models
- Integrated power distribution system
- Display of all critical genset measures
- Electric block heater

Alternator

- Clean power with the Mecc Alte ECP32-1M
- Regulator provides Static/Steady State: $\pm 1\%$ Voltage Accuracy
- High efficiency alternator

Engine

- Heavy duty Kubota WG 3800 engine
- E Controls Fuel System
- Environment Canada / US EPA emissions compliance
- Integral mechanical fan system
- Complete with engine fluids, ready for operation

Controls

- Standard controls: ComAp InteliNano AMF 5
- Emergency stop externally accessible
- Remote cellular or satellite telematic ready
- 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		Power	Amps
Standby Power	42 kW	117 @ 208, 3Ø		130 @ 208, 3Ø	
		51 @ 480, 3Ø		47 kW	
		125 @ 120/240, 1Ø		57 @ 480, 3Ø	
Prime Power	40 kW	125 @ 120/240, 1Ø		125 @ 120/240, 1Ø	
		111 @ 208, 3Ø		45 kW	
		48 @ 480, 3Ø		125 @ 208, 3Ø	
		125 @ 120/240, 1Ø		54 @ 480, 3Ø	
				125 @ 120/240, 1Ø	
Weight	3375 lbs	1534.1 kgs			
Frequency	60 Hertz				
Phase	3 Phase				
Power Factor	1 Cosφ				

Power Distribution (Standard)

- 4 x 120v GFCI, 20 Amp Duplex
- 2 x 125/250v 30 Amp twist lock L1430
- 2 x 125/250v 50 amp twist lock california
- Hard Wire Lugs with shunt trip controlled door

Model Variations Available

- Gas control systems and pressure sensors
- Gas pretreatment including liquid and pressure protections
- Additional HD Alternator winding coatings
- Switchable Frequency 50 and 60 HZ capable
- Cellular or satellite telematic system ready
- LPG liquid vaporizer kit
- Enclosure custom paint colours
- Custom electrical distribution and distribution packages, integrated cam lock or receptacle panels, transformer panels for multiple voltages
- Switchable Voltage Systems (120/240, 120/208, 277/480)
- 3 Phase sensing AVR

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.

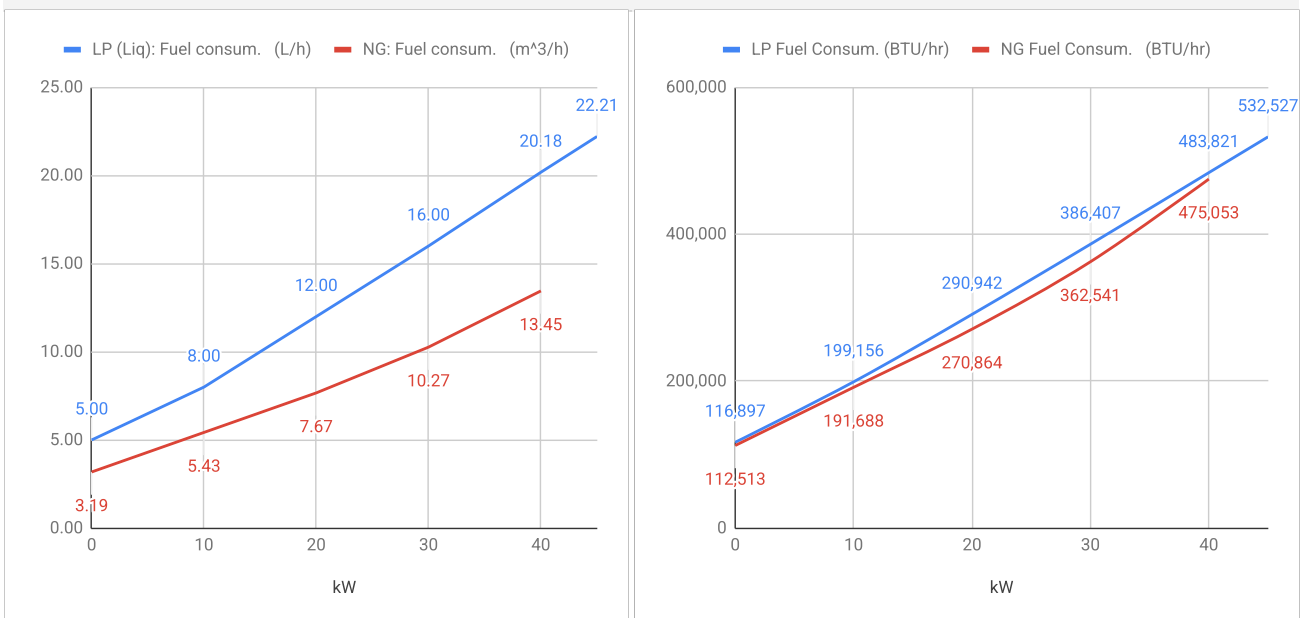
Engine

Manufacturer	Kubota
Model	WG 3800
Stroke	4
Fuel	Natural Gas or Vapour Propane
Emissions Compliance	Enviroment Canada / US EPA
Number and disposition of cylinders	I4, Inline
Total Displacement	3769 cc
Air Intake	Naturally Aspirated
Starting System	Electric - 12V
Speed / Speed Governor	1800 RPM
Lube Oil Capacity	12.2L / 3.2 US 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	11.5

Fuel Guidelines

Propane HD5; $\geq 90\%$ PROPANE (C3H8), $\leq 5\%$ (C3H6), $\leq 5\%$ OTHER
 Utility Natural Gas ≥ 75 MN, $\geq 70\%$ (CH4), 950-1100 BTU/SCF (HHV)
 Wellhead Gas: ≥ 75 MN, $\geq 70\%$ (CH4), 700-2362 BTU/SCF (LHV)

Fuel Consumption



ALTERNATOR

Make / Model	Mecc Alte ECP32-1M
Regulator	DSR
Compliance	CSA C22.2-100, NEMA MG1-32, IEC 34
Poles	4
Speed	1800 RPM
Frequency	60 HZ
Voltage Regulation	± 1%
Continuous 125/40 ° C Rating	60 kVa
Standby 150/40 ° C Rating	66 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	ComAp IntelliNano AMF 5
Function	Auto Control Module
Country of Origin	Czech Republic

- 6-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

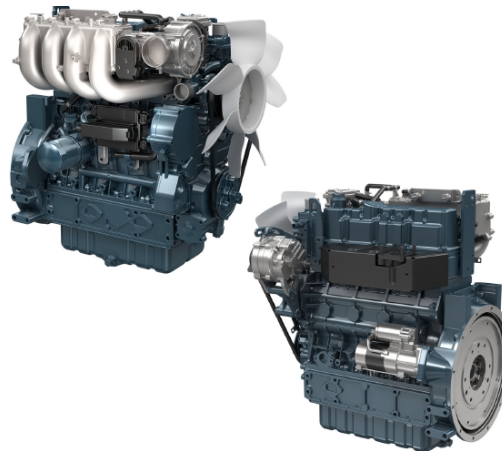
- kW protection
- Low Oil Pressure
- High Engine Temperature
- Start Fail
- Low Coolant Level
- +/- Batt Volts
- Over/Under Speed
- Tamper Proof Digital Hour Meter in ECU and Controller
- ECU diagnostics
- Power: High/Low Voltage, Current
- Over/Under Speed
- Tamper Proof Hour Meter
- Earth Fault
- Battery Charging Voltage
- Mains Monitoring
- Low oil level (with optional monitoring system)
- Phase imbalance

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
- 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
- 500 Hour Maintenance Interval (See engine spec for exact specification for maintenance interval)

Additional Services Available

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



Kubota

DIMENSIONS

