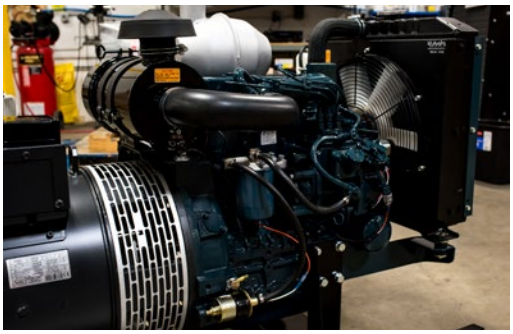
Equipment Source Inc.

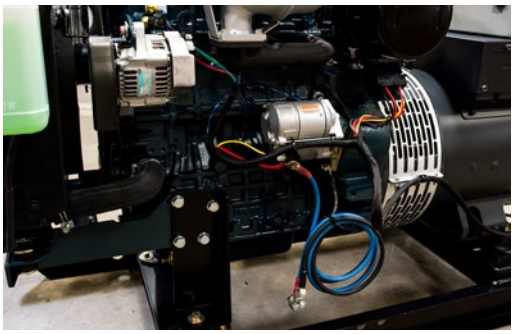
KPG 12kW
Diesel Generator

Standard Features

- Kubota 4-cylinder diesel engine
- Mechanical speed governing provides > 5% speed regulation, no load to full load
- EPA tier 4 compliant
- Liquid cooled with industrial grade radiator and belt driven blower fan
- Manual safety shutdown override, fuse protection
- Safety shutdowns, energized-to-run, for low oil pressure/high coolant temperature
- Four anti-vibration mounts between gen set and base
- Electric fuel transfer and priming pump (12 VDC)
- Battery cables for 12 VDC starting system
- Key start panel with hour meter

Powered by a Kubota diesel engine, this generator set produces 12 kilowatts of prime power output. The engine is directly coupled to a Mecc Alte generator, and the entire set is mounted on a rugged steel skid. All components are suitable for prime or intermittent usage. The KPG 12kW is constructed to UL approved standards, and is thoroughly load tested prior to shipment.





Note: Pictures shown are for illustration purposes only. Product will vary depending on actual configuration.

BUILT ARCTIC TOUGH

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Specifications

Engine	
Manufacturer	Kubota
Model	V1505-E3BG
Cylinders	Four
Bore x Stroke	3.07” x 3.09”
Displacement	1498cc (91.41 cu in)
Comp. ratio	24:1
Engine weight	280 lbs dry
Fuel system	
Fuel type	#2 diesel or #1 ULSD
Injection Pump	Bosch PFR
Nozzle type	Throttle type
Transfer pump	Electric, 12 VDC
Fuel lift	1 meter (3.3 ft)
Suction fitting	5/16” push on
Return fitting	3/16” push on *Optional 1/4” suction and return fittings on skid*
Specific fuel consumption	1.00 gph @ full load 0.55 gph @ half load
Lube oil system	
Grade	API classification CF or other approved.
Capacity	1.8 gal
Filter	Full flow, spin on
Air intake system	
Filter	Replaceable element
Combustion air	50.6 cfm
Total system restriction	20” H2O
DC electrical system	
Starter	12V, 1.0kW
Alternator	12V, 30 Amp
Glow plugs location	Combustion chambers
Battery required	12V 650 CCA equiv, min
Run solenoid	12V Energize-to-run
Ancillary equipment	
Mounting	Steel base w/ mounting holes
Isolators	Four composite mounts

Generator technical information	
Manufacturer	Mecc Alte
Model	ECP 28 (standard)
Construction	Four pole, brushless, open drip-proof (IP23), single bearing
Excitation (std)	Full wave bridge rectifier
Excitation (opt)	“Excitation Boost System” *(Provides up to 300% current for motor starting)*
Cooling airflow	286 cfm
Leads	4 or 12, application dependent
60 Hz voltages (Continuous)	240 1-phase: 48.6 A 208 3-phase: 40.5 A 480 3-phase: 17.5 A
Power factor	Single phase rating @ 1.0PF Three phase rating @ 0.8 PF
Voltage reg.	DSR digital +/- 1% NL-> FL
Temperature rise	105C rise prime
Tel. interference	THF <2%
Winding pitch	Two thirds
Control system	Self-excited
Cooling system	
Radiator	Finned tube type
Material	Copper core, soldered tanks
Pressure	12.9 psi max
Fan type	Blower, nylon
Water pump	Gear case mounted
Type	Centrifugal, belt drive
Thermostat	Wax pellet type
Recommended coolant	50/50
Cooling air required	1502 cfm
Exhaust system	
Muffler type	Industrial grade
Mounting	Vertical
Restriction	1.5 in Hg max
Dimensions	
Please contact salesperson for weight and dimensions	

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