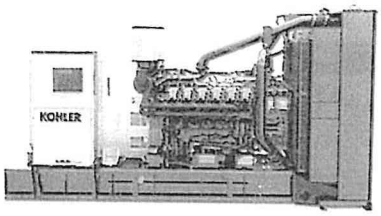
Generator



Rehlko Model: KD1000

This diesel generator set equipped with a KH04070TO4D alternator operating at 277/480 volts is rated for 1000kW/1250 kVA. Output amperage: 1504

Standard Features:

- Discovery Energy, LLC and its affiliates dba Rehlko provides one-source responsibility for the generating system and accessories.
- Approved for use with certified renewable Hydrotreated Vegetable Oil (HVO) / Renewable Diesel (RD) fuels compliant with EN15940/ASTM D975.
- The generator set and its components are prototype-tested, factory-built, and production-tested.
- The 60 Hz generator set offers a UL 2200 listing.
- The generator set accepts rated load in one step.
- The 60 Hz generator set meets NFPA 110, Level 1, when equipped with the necessary accessories and installed per NFPA standards.
- A standard three-year or 1000-hour limited warranty for standby applications. Five-yare basic, five-year comprehensive, and ten-year extended limited warranties are also available.
- A standard two-year or 8700-hour limited warranty for prime power applications.
- Tier 2 EPA-certified for Stationary Emergency Applications
- Battery Rack and Cables
- Closed Crankcase Ventilation (CCV) Filters

Alternator Features:

- Customer Connection
- Integral Vibration Isolation
- Local Emergency Stop Switch
- Oil Drain and Coolant Drain Extension
- Operation and Installation Literature
- The pilot-excited, permanent magnet (PM) alternator provides superior short-circuit capability.
- NEMA MG1, IEEE, and ANSI standards compliance for temperature rise and motor starting.
- Sustained short-circuit current of up to 300% of the rated current for up to 10 seconds.
- Sustained short-circuit current enabling downstream circuit breakers to trip without collapsing the alternator field.

Other Features:

- Self-ventilated and dripproof construction.
- Superior voltage waveform from two-thirds pitch windings and skewed stator.Brushless alternator with brushless pilot exciter for excellent load response.
- Rehlko designed controllers for one-source system integration and remote communication.
- The low coolant level shutdown prevents overheating (standard on radiator models only).

Exhibit A

Qty	Description	
	KD1000 Generator System	
1	KD1000 Generator Set	
	Includes the following:	
	Literature Languages	English
	Approvals and Listings	cULus Listing
	Engine	KD1000, 60Hz, EPA, Tier 2
	Nameplate Rating	Standby 130C Rise
	Voltage	60Hz, 277/480V, Wye, 3Ph, 4W
	Alternator	KH04070TO4D
	Cooling System	Unit Mounted Radiator, 50C
	Skid and Mounting	Skid, Standard Iso Mount
	Air Intake	Standard Duty
	Controller	APM603
	Controller Accy, Installed	Digital I/O
	Enclosure Type	Sound
	Enclosure Material	Aluminum
	Enclosure Silencer	Internal Silencer
	Fuel Tank Type	State
	Fuel Runtime (Approx.)	24 Hours
	Subbase Fuel Tank Capacity	1749 Gallons
	Tank Marking Options	Combust Lqds - Keep Fire Away
	Tank Marking Options	NFPA 704 Identification
	Tank Marking Options	Tank Number & Safe Fill Height
	Starting Aids, Installed	6000W,208V,1Ph,w/Valves
	Electrical Accy.,Installed	Batt. Rack & Cables
	Electrical Accy.,Installed	Battery Charger, 24V-20AMP
	Electrical Accy.,Installed	Battery, 2/12V, AGM
	Rating, LCB 1 Right	100% Rated
	Amps, LCB 1 Right	1,600
	Trip Type, LCB 1 Right	Electronic, LSI
	LCB1 Right Interrupt Rating	65kA At 480V
	Rating, LCB 1 Left	100% Rated
	Amps, LCB 1 Left	400
	Trip Type, LCB 1 Left	Electronic, LSI
	LCB1 Left Interrupt Rating	35kA At 480V
	Fuel Lines, Installed	Flexible Fuel Lines
	Fuel System Acc.,Installed	Fuel/Water Separator
	Exceeds LTL Shipping Height	Add'l Shipping Charge Accepted
	Miscellaneous Accy,Installed	Air Cleaner Restriction Ind.
	Miscellaneous Accy,Installed	Coolant in Genset
	Miscellaneous Accy,Installed	Oil in Genset
	Warranty	Standard
	Testing, Additional	Power Factor Test,0.8,3Ph Only
	Total unit length in inches	290
	Total unit width in inches	105
	Total unit height in inches	157
	Total unit weight (lbs)	31,421
	Weight/Dimensions Disclaimer *	Estimates-Not for Construction
1	NEC Remote, E-Stop	
1	Lit Kit, General Maint, 60Hz, KD1000	