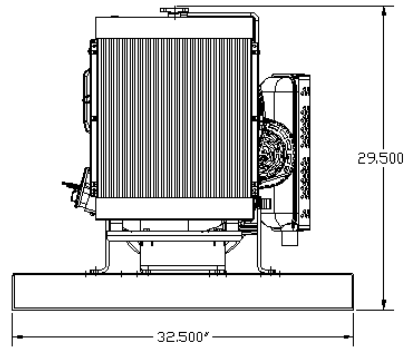
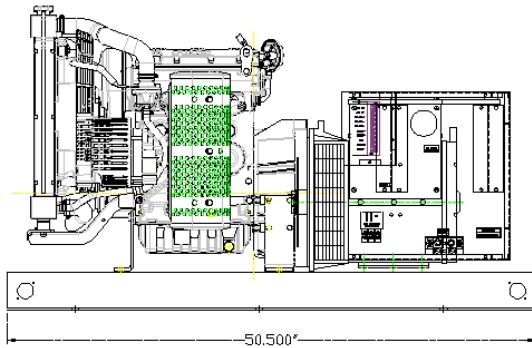


# DR10K2

LIQUID COOLED DIESEL GENERATOR SET

# WINPOWER

Est. 1925



**Standby Rating**  
**10kW 60Hz**

**Powered by ...**

**KOHLER.**

**KDW1003**

**1028cc**

**Naturally Aspirated**

**FEATURES** "Quality" Maximizing Return on Investment

## ENGINE

- INDUSTRY LEADER OF DIESEL ENGINES WORLDWIDE
- EPA COMPLIANT, CARB AND EURO COMPLIANT
- RUGGED SIMPLE DESIGN
- PRECISION U.S. MANUFACTURING
- COMPLETE SERVICE NETWORK
- EFFICIENT LOW FUEL CONSUMPTION DESIGN

## GENERATOR

- STANDBY RATED
- BRUSHLESS ROTATING FIELD
- LOW HARMONIC DISTORTION
- WOUND 2/3 PITCH TO PREVENT HARMONICS
- CLASS H WINDING INSULATION FOR PEAK PROTECTION
- MEETS BS EN 60034, BS5000, VDE 0530
- NEMA MG1-32, ICE34, CSA C22.2-100, AS1359
  
- SX460 AUTOMATIC VOLTAGE REGULATION STANDARD  
STEADY STATE VOLTAGE +/- 1%

## GENSET CONTROL

- BASLER DGC-2020
- GENERATOR PROTECTION AND METERING
- EVENT FAULT LOG RECORDING
- 16 PROGRAMMABLE OUTPUTS
- 4 USER PROGRAMMABLE INPUTS
- DIAL OUT MODEM (OPTIONAL)
- RS-485 MODBUS OUTPUT (OPTIONAL)
- DEDICATED RELAYS FOR FUEL SOLENOIDS,  
GLOW PLUGS AND STARTER SOLENOID

## EXPERIENCED DESIGN

- OVER 84 YEARS EXPERIENCE IN THE GENERATOR  
INDUSTRY
- DESIGNED FOR LONG LIFE TO MAXIMIZE RETURN ON  
INVESTMENT
- WELDED AND POWDER COATED STEEL BASE
- RUBBER MOUNTED ENGINE AND GENERATOR  
NO NEED FOR ISOLATION PADS, EXTENDS LIFE OF  
BATTERIES AND HOUSING
- ELECTRICIAN FRIENDLY SINGLE COVER CONNECTION  
POINTS
- EXHAUST MUFFLER INCLUDED WITH OPEN UNITS
- INTEGRAL MUFFLER ON ALL HOUSED UNITS
- FILLED COOLING SYSTEM WITH 50/50 ANTIFREEZE
- CIRCULATING BLOCK HEATER
- REACTIVE LOAD BANK TESTED
- SINGLE STEP 100% LOAD TESTED
- OPERATOR MANUAL PACKAGE INCLUDING ENGINE  
AND GENERATOR MANUAL
- STARTING BATTERY NOT INCLUDED (BCI 24 650 CCA)

## ENGINE SPECIFICATIONS

MAKE .....	KOHLER
MODEL .....	KDW1003
TYPE .....	DIESEL
DIRECT INJECTION .....	MECHANICAL
SPEED GOVERNOR .....	MECHANICAL
CYLINDERS .....	3
TOTAL DISPLACEMENT .....	1028 cc
BORE X STROKE .....	mm 75 X 77.6
COMPRESSION .....	22.8:1
ASPIRATION .....	NATURAL
ENGINE RADIATOR CAPACITY .....	3.0 QTS
TOTAL COOLING CAPACITY .....	2.5 GAL
HOUSING .....	SAE 5
FLYWHEEL .....	6.5 inches
ROTATION .....	CCW
LUBE OIL SPEC .....	API CF-CH4, ACEA E3-E5
LUBE OIL CONSUMPTION .....	< 0.1% OF FUEL
OIL & FILTER REPLACEMENT .....	250 HRS
LUBE OIL CAPACITY .....	2.5 QTS
FUEL SPEC .....	EN 590
EXHAUST OUTLET SIZE @ MUFFLER .....	1.5 inches
ELECTRICAL SYSTEM (NEGATIVE GROUND) .....	12 VDC
ALTERNATOR .....	45 AMPS
STARTER .....	DENSO
BATTERY (NOT INCLUDED BCI 24) .....	MINIMUM 650 CCA

## ALTERNATOR SPECIFICATIONS

RATING .....	(125/40°C) STANDBY
TYPE .....	2 POLE – ROTATING FIELD
SPEED .....	3600 rpm
INSULATION SYSTEM .....	CLASS H
SINGLE PHASE .....	4 LEAD
THREE PHASE .....	12 LEAD
STATOR WINDINGS .....	DOUBLE LAYER CONCENTRIC
PITCH .....	2/3
WAVEFORM DISTORTION .....	1.5%
TELEPHONE INTERFERENCE .....	<2.0%
EFFICIENCY PEAK .....	~92.5%
COUPLING .....	FLEXIBLE DISC
BEARINGS (MAINTENANCE FREE) .....	1
VOLTAGE CONTROL .....	(SX460 STANDARD) SELF EXCITED
REGULATION .....	+/- 1.5%
SINGLE PHASE RATING .....	1.0pf
THREE PHASE RATING .....	0.8pf

**If the information that you require is not shown, please contact your dealer.**

## GENERATOR CONTROLLER

### General

Basler Electric's Digital Genset Controller (DGC-2020) is a highly advanced integrated genset control system. The DGC-2020 is perfectly focused, combining rugged construction and microprocessor technology to offer a product that will hold up to almost any environment and flexible enough to meet your needs. This device provides genset control, metering, protection and programmable logic in a simple, easy to use, reliable, rugged, and cost effective package. Some options may not be activated and require computer interface to activate.

- 2 Wire remote start
- SAE J1939 communications
- Remote annunciator (Optional)
- 16 programmable contact inputs
- Wide temperature range
- Modbus RS-485 (optional)
- CSA certified, CE approved
- NFPA110 Level Compatible
- USB communications
- Multilingual capability
- Rugged, fully encapsulated design
- 4 Programmable output contacts
- Dial-in / out Modem (optional)
- UL recognized
- HALT tested
- Alarm horn output

### User Interface

- Backlit 64 by 128 pixel LCD display
- Not in auto indicator
- Supplying load indicator
- Lamp test pushbutton
- Off pushbutton and indicator
- Reset pushbutton
- Edit pushbutton
- Alarm Indicator
- Alarm silence pushbutton
- Auto pushbutton and auto indicator
- Run pushbutton and mode indicator
- Navigation pushbuttons ↑ ↓ ← →

### Functions (Generator Protection)

- Under voltage
- Over Voltage
- Phase Imbalance (optional)
- Under frequency
- Over frequency
- Over current (optional)

All generator protection features are programmable as alarms or pre-alarms.

### Functions (Engine Protection)

#### Alarms and Pre-Alarms

- Low oil pressure
- Overspeed
- Overcrank
- Air Filter Restriction
- Maintenance interval timer
- High coolant temperature
- Engine sender unit failure
- Emergency stop
- Engine kW overload

### Engine Control

- Cranking
- Successful start counter
- Alarm time delays
- Smart cool down timer
- Engine maintenance timer
- Pre-crank delay

# OPERATIONAL DATA



## Emissions (gr/kWh)

**NOX                      HC                      NOX+HC                      CO                      PT                      SMOKE**

CONSULT FACTORY

Electrical Output 10kW Standby						
Voltage	Amperes	Cycles	Phase	kW	kVa	pf
120/240	41	60	1	10	10	1.0
120/208	35	60	3	10	13	0.8
120/240	30	60	3	10	13	0.8
277/480	15	60	3	10	13	0.8

50Hz Available

## Fuel Consumption

100% Load ..... 0.70 Gallons/Hr  
 75% Load ..... 0.65 Gallons/Hr  
 50% Load ..... 0.60 Gallons/Hr

Winpower offers three UL142 double wall fuel tank options for this model. This includes removable stub-up end plate as well as leak detection and digital fuel level indication.

Height / Gallons

6" / 16 Gal • 12" / 32 Gal • 18" / 64 Gal

## Derating Factors

Temperatures > 104°F ..... 3% per 10°F  
 Altitude > 3280 ft < 9842 ft ..... 3% per 1640 ft  
 Altitude > 9842 ft ..... 6%  
 Prime Power ..... 10%

## 1 Year Limited Warranty

Winpower warrants its product from material defects for a period of one year or 1000 hrs. Respective engine manufacturer warrants their product with their service network as outlined within their warranty statement.

# OPTIONS AND ACCESSORIES

### Optional Fuel Accessories

- 16 gal UL fuel tank
- 32 gal UL fuel tank
- 64 gal UL fuel tank
- DOT fuel tank baffles and caps
- 55 gal single axle DOT trailer
- 100 gal single axle DOT trailer

### Optional Electrical Accessories

- 3.5 amp SENS charger
- 6 amp SENS charger
- 6 amp SENS charger w/fail contact
- 10 amp SENS charger
- 10 amp SENS charger w/fail contact
- 12 watt solar charger

### Enclosure Options

- WEATHR-PAK (Rain and Sun Protection)
- SOUND-PAK (Sound Attenuation)

### Controller Options

- MODBUS RS-485 output
- Remote annunciator
- Battery backup
- Internal modem
- Enhanced generator protection
- Auto synchronizer

### Generator Accessories

- Anti-condensation heaters
- Diode fault detector
- Oversized generator
- 12 lead single phase

Distributed by

