

The Technical Specification of UKKMS® Diesel Generator of 737 Series

UK737-G9A
UJ80
UK7000
Prime
80KW 50Hz,
400V

Genset Model	UW80
Prime Power	80KW / 100KVA
Standby Power	88KW / 110KVA
Frequency	50Hz/1500 rpm
Factor	0.8(lagging)
Output voltage	230V/400V
Output current	145A / 159A
Phase	Three-phase Four-wire
Manufacturer	Gongtai(Xiamen)New Energy Co.,Ltd

(1) Normal operating power refers to the maximum continuous operating power under fluctuating load conditions without time limits (between maintenance intervals), with a 10% overload allowed for 1 hour every 12 hours.

(2) Standby power refers to the unit's instantaneous maximum operating power. When using standby power, the engine has no overload capacity; overloading is prohibited!

Diesel Engine

Manufacturer:	Gongtai(Xiamen)New Energy Co.,Ltd
Model:	UK737-G9A
Form:	V-Type, four stroke, water cooled
Number of cylinder:	4L
Displacement-L:	4.3
Intake method:	Turbocharged and Intercooled
Bore(mm)/Stroke(mm):	105×124
Compression ratio:	16
Rated speed:	1500
Idle speed-r/min:	650
Prime output power-KW:	89
Standby output power-KW:	98
Speed adjustment method:	Electronic speed control
Exhaust temperature°C	640
Fuel consumption (g/kw.h) :	198

Manufacturer:

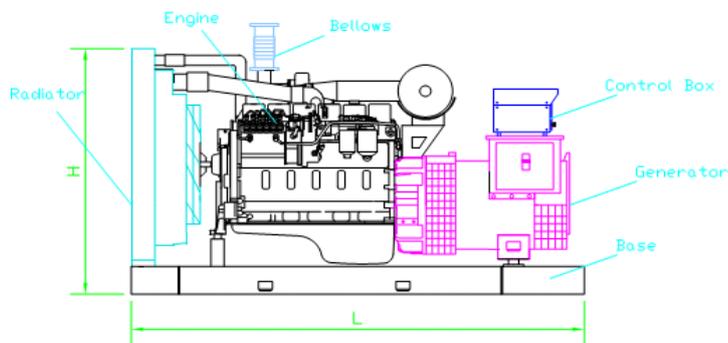
0#Light diesel

Generator

Manufacturer	Gongtai(Xiamen)New Energy Co.,Ltd
Model	UJ80
Prime Power	80KW
Rated Current	144.4A
Rated Frequency	50HZ
Voltage Regulation	Automatic Voltage Regulation (with AVR)
Phase and Connection Method	Three-phase Four-wire System
Protection Class	IP23
Maximum Altitude	1000 meters
Overspeed Capacity	2250RPM
Winding Pitch	2/3
Excitation System	Self-excitation
Insulation Class	H
Telephone Harmonic Factor (THF)	< 2%
Recovery Time (s)	≤0.5

Size and weight

Open type



Open Type (Standard Configuration)

Dimensions: 2200×880×1400 (L×W×H)
(Without silent box)

Weight: 1300kg (Without silent box)

UK7000 Controller

Controller model	UK7000
Manufacturer	Gongtai(Xiamen)New Energy Co.,Ltd
Available functions	<ol style="list-style-type: none"> 1. Three-phase voltage, current, and frequency display; 2. Running time accumulation; 3. Oil pressure and oil temperature display, starting battery voltage detection; 4. Oil pressure and oil temperature alarm/shutdown protection, overspeed protection, emergency stop; 5. Charging module; 6. Manual and automatic start control functions; 7. Three-start failure protection; 8. The controller uses a large-screen LCD display with a freely switchable Chinese/English interface, simple operation, and reliable performance; Communication interface: Equipped with RS232/RS485 communication interfaces, supporting MODBUS RTU standard protocol.
<p>一、 Overview</p> <p>The UK7000 control system is used for the automation of a single generator set, enabling automatic start/stop, automatic ATS switching, data measurement, and alarm protection functions. The controller features a large-screen LCD display with a user interface that can be freely switched between Chinese and English, offering simple operation and reliable performance.</p> <p>The UK7000 automation controller utilizes microprocessor technology, enabling precise measurement of various parameters, setpoint adjustment, timing, and threshold setting. All parameters can be adjusted either from the controller's front panel or via a PC through a programming interface. It boasts a compact structure, simple wiring, and high reliability.</p> <p>二、 Performance and Features</p> <p>The UK7000 control system is used for single-unit automation, controlling the generator set's automatic start/stop via remote start-up signals. Its main features are as follows: 128x64 backlit LCD display with two languages (Simplified Chinese and English); touch-button operation.</p>	

Commitment

☺Products and services comply with ISO 8528 and GB/T 2820-2009 manufacturing standards and manufacturer standards.

☺Strictly adhere to ISO 9001 Quality Management System, ISO 14001 Environmental Management System, and ISO 45001 Occupational Health and Safety Management System.

☺All products undergo rigorous 100% factory testing.

☺Advanced and efficient production lines ensure timely delivery with guaranteed quality and quantity.

☺ Professional and prompt after-sales service.

☺ A wide supply of genuine original spare parts.

Note: The information provided is based on the latest data from our company. Please note that data is subject to change without notice.