

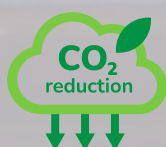


INDUSTRIAL POWER GENERATOR

ORC-500S | ORC-500



HIGH LIGHTS



Comply with
**European III
Emission Standards**

Cat.	Net Power (kW)	CO	HC+NOx	PM
		g/kWh		
H	130 ≤ P ≤ 560	3.5	4.0	0.2
I	75 ≤ P ≤ 130	5.0	4.0	0.3
J	37 ≤ P ≤ 75	5.0	4.7	0.4
K	19 ≤ P ≤ 37	5.5	7.5	0.6

PROPERTIES

- Reliable, robust and versatile generator
- Low noises, low carbon emission
- Q235 Carbon Steel canopy with 2mm ultra thickness
- High protection standards, dustproof and waterproof
- User-friendly operation, simplified connection
- Stainless steel separate fuel tank supporting up to 8 hours continuous operation
- Open type genset equipped with 40 °C full copper radiator (red copper, the high grade copper)
- Canopy type genset equipped with 50 °C full copper radiator (red copper, the high grade copper)



Genset Power

3 Phase / 1500 RPM / 50Hz

Power	Prime Power	Standby Power
	400kW / 500kVA	440kW / 550kVA

Voltage (V)	Frequency (Hz)	Ampere (A)	Power Factor
380/220	50	756	0.8
400/230	50	722	0.8
415/240	50	696	0.8



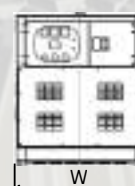
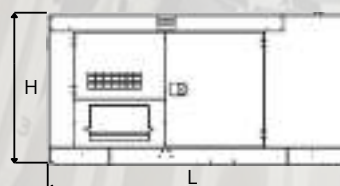
Technical Specifications

Engine Brand & Model		Cummins KTA19-G4
Alternator Brand & Model		Oriental OR-544D
Control System		Smartgen HGM6120N
Breaker Type		CHINT MCCB
Fuel Consumption (L/h)	100% Load	107
	75% Load	82
	50% Load	57
	25% Load	30



Dimension & Weight

Data		Open Type Genset	Canopy Type Genset
Dimension (mm)	L	3400	4600
	W	1400	1800
	H	2100	2200
Fuel Tank Volume (L)		900	900
Weight (kg)		2900	3600



GENSET SPECS

CUMMINS KTA19-G4

No. of Cylinder	6	Power Rating	Standby	504 kW
Aspiration	Turbocharged Intercooled		Prime	448 kW
Bore / Stroke	159 / 159 mm	Governor		Electronic
Compression Ratio	13.9 : 1	Governor Regulation		≤ 3%
Displacement	18.9 L	Cooling		Water-cooled
Lubricant	15W40 CF-4	Coolant Capacity		93L
Lube System Capacity	50L	Weight (wet)		2200kg

ORIENTAL OR-544D

Rated Power (kVA)	500	Enclosure	IP23
Rated Power (kW)	400	Insulation Class	H
Frequency	50 Hz	Stator Winding	311
Bearing	Single	Stator Connection	S. Star
Power Factor	0.8	AVR	SX460
Winding	100% Copper	Mounting Type	IMB15
Ambient Temp.	40 °C	Cooling Method	IC01

CONTROL SYSTEM



1. 132*64 LCD display with backlight, optional language interface (Chinese, English, Spanish, Russian, Portuguese, Turkey, Polish and French), push-button operation;
2. Acrylic screen, improved wearability and scratch resistance property;
3. Silica-gel panel and keys can well adapt to higher and lower temperature;
4. With RS485 communication port, can achieve "three remote" functions via MODBUS protocol;
5. With CANBUS port which can be connected to electronic injection with J1939, it not only can monitor frequently-used data (such as water temperature, oil pressure, rotated speed and fuel consumption, etc.) but also can control start, stop, high speed and low speed (controller with CANBUS port is needed) via CANBUS port.
6. Adapt to 3P4W, 3P3W, 1P2W and 2P3W (120V/240V), 50Hz/60Hz AC power system;
7. Can measure and display 3 phase voltage, 3 phase current, frequency, power parameter of mains/gens;
8. Mains have functions of over/under voltage and lack of phase; Gens have functions of over/under voltage, over/under frequency, over current and over power;

PRODUCT FEATURES

“rigid fuel tank fabricated with Mg-Zn alloy, just as tough as those quipped on prime mover truck”



TOUGH

SMART

“automatically start up whenever power supply is shut down”



“ultimate protection against earth leakage”



SAFE

PRODUCT OVERVIEW

