



INDUSTRIAL POWER GENERATOR

ORC-100S | ORC-100



HIGHLIGHTS



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
	75kW / 94kVA	82kW / 103kVA

Voltage (V)	Frequency (Hz)	Ampere (A)	Power Factor
380/220	50	143	0.8
400/230	50	136	0.8
415/240	50	131	0.8



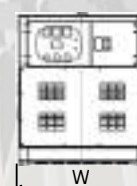
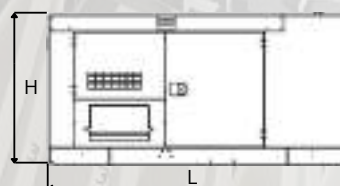
Technical Specifications

Engine Brand & Model		Cummins 6BT5.9-G2
Alternator Brand & Model		Oriental OR-274C
Control System		Smartgen HGM6120N
Breaker Type		CHINT MCCB
Fuel Consumption (L/h)	100% Load	22.3
	75% Load	16.9
	50% Load	11.3
	25% Load	6.5



Dimension & Weight

Data		Open Type Genset	Canopy Type Genset
Dimension (mm)	L	2600	2800
	W	1050	1050
	H	1300	1450
Fuel Tank Volume (L)		178	178
Weight (kg)		1100	1450



GENSET SPECS

CUMMINS 6BT5.9-G2

No. of Cylinder	6	Power Rating	Standby	92 kW
Aspiration	Turbocharged		Prime	86 kW
Bore / Stroke	102 / 120 mm	Governor		Electronic
Compression Ratio	17.3:1	Governor Regulation		≤ 3%
Displacement	5.9 L	Cooling		Water-cooled
Lubricant	15W40 CF-4	Coolant Capacity		7.9 L
Lube System Capacity	16.4 L	Weight (wet)		411 kg

ORIENTAL OR-274C

Rated Power (kVA)	100	Enclosure	IP21
Rated Power (kW)	80	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

ORIENTAL PRODUCT OVERVIEW



OUR PROMISES

1. If any engine problem occurs due to defects in the material, design and manufacturing of the engine, our team will provide free or conditional free repair service.
2. The presented product is all brand new and has passed the rigorous factory testing.
3. The presented product is eligible for our company's standard warranty policy: 12 months from delivery date or 1000 running hours, whichever occurs first.
4. All aftersales services and parts can be supplied by our company.



Our company are constantly updating our product, all data may be updated without prior notice. Kindly please contact us or our dealers for latest information.



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No. 56 & 58, Main Road, Kampung Kepayang, 31300 Ipoh, Perak.



info@tetyoong.com