UQ-Power Diesel Generator Set

Model: PE200

*Drawing above for illustration purposes only

Ⅰ. GENERAL DATA

Prime Power	kW/kVA	180	225
Standby Power	kW/kVA	200	250
Frequency	Hz/rpm	60	1800
Voltage	V	480	277
Current	A	271	
Connection	/	3P4W / Y	
Rated Power Factor	/	0.8	
Open Type（L×W×H）	mm	2450×950×1570	
Open Type(Weight)	kg	1650	
Silent Type（L×W×H）	mm	2800×1100×1800	
Silent Type(Weight)	kg	2220	

■Available in the following voltages: 120/208, 277/480, 120/240 1 and 3 phase

■All data based on ISO 3046, altitude 100m (328.1ft), barometric pressure 100kPa (29.53inHg), air temperature 25℃ (77°F), relative humidity 30%.

■Please contact UQ-Power engineering for correct generator capacity selection when the load application does not meet the standard reference.

■UQ-Power diesel generators comply with standards ISO8528，ISO 14000，ISO3046，GB755，BS5000，VDE0530, ISO3046，IEC34-1

Ⅱ. STANDARD CONFIGURATION

Engine	Perkins, including air filters, fuel filters, oil filter, starting motor and charging alternator etc.
Alternator	Yanan brushless AC alternator
Radiator	40℃, fan protective shroud
Base frame	<500KW: base mounted fuel tank, anti-vibration pads, battery holder
Circuit Breaker	ABB-UL- Molded case circuit breaker(MCCB).
Control System	DEEP SEA 6020
Start Battery	Lead acid battery connection cables. 3 amp battery charger standard
Installation Accessories	Exhaust flex, Elbow and flange, Exhaust silencer, etc.
Documents	Electric drawing, operation & maintenance manual, certification etc.

Ⅲ. OPTIONAL CONFIGURATION

Engine accessories	◇Heavy-duty air filter ◇Coolant heater ◇Lub oil heater ◇Fuel and Water Separator
Cooling system	◇50℃radiator ◇Heat exchanger + water cooling tower + External water circulation pumping system
Control System	◇Optional control panels by Comap, Controls inc.
Circuit Breaker	◇ ABB 2,3 and 4 pole thermo magnetic
Automatic Transfer Swtich	◇ATS -available in Nema 1 and 3r,2,3 and 4 pole
Start Battery	◇Nickel-cadmium battery ◇Maintenance-free battery ◇Power charger and selector ◇Charging current meter
External Fuel Tank	◇Standard single wall, 8.12.and 24 hour, double wall 8,12.24 hour, UL142 available

Ⅳ. ENGINE DATA

Engine Model	1106D-E70TAG5	Engine power	218	kW
Aspiration	Turbocharged aftercooled	Displacement	7.01	L
Type	Vertical in-line	Bore×Stroke	105 x 135	mm
No. of Cylinders	6	Compression Ratio	16.8:1	
Governor Type	Electronic CRIN2	Rated Speed	1800	RPM

■ *Fuel System*

Prime power Fuel consumption	54.4	l/h	Standby power Fuel consumption	59.1	l/h
Fuel #	0# Diesel		Injection System	CB28	

■ *Lubrication System*

Lub Oil Capacity	16.5	L	Lub Oil Consumption	0.1632	l/h
Lub #	API CF-4 15W40		Max.Temperature	125	℃

■ *Coolant System*

Coolant Capacity	21	L	Max. Top Tank Temp.	110	℃
Std. Thermostat (Modulating) Range	82-95	℃	Fan Drive Type	Shaft drive	
Exhaust air volume	488	m3/min	Fan Power	8.5	kW

■ *Air Intake System*

Air intcke capacity	0.261	m3/min	Air Pressure	4	kPa

■ *Exhaust System*

Exhaust Gas Flow	38.47	m3/min	Max.Back Pressure	10	kPa
Exhaust Gas Temp。	≤553	℃	Exhaust pipe size	Φ115.9	mm

■ *Starting System*

Start Mode	Electric start		Battery	120x1	Ah

V. ALTERNATOR DATA

Alternator Model	SLG274H	Rate Power	204/255	kW/kVA
PF.	0.8	Voltage	480/277	V
Phase	3	Frequency	60	Hz
Connection	3P 4W / Y	Bearing	1	
Winding Pitch	2/3	Proteccion Class	IP21	
Insulation Class	H/H	Efficiency	93.60%	
Tel. Influence	TIF：＜50	Voltage Regulation	±1.0%	
Harmonic Coefficient	THF：＜2%	AVR	AS440	
Voltage Adjust Scope	≥±5%	Excitation System	SELF EXCITED	

VI. CONTROL SYSTEM DATA MODEL DSE6020

■ *Main feature*

Electronic J1939 (CAN) and nonelectronic MPU and alternator sensing engine support for diesel, gas and petrol engines all in one variant. With a number of flexibleinputs, outputs and protections, the modules can be easily adapted to suit a wide range of applications.

■ *Key Function*

▲utility voltage sensing

▲Generator/load powermonitoring (kW, kV A, kV Ar, pf)

▲Generator overload protection(kW)

▲Efficient power save mode

▲mains and generator closed via front panel

▲4 configurable DC outputs

▲4 configurable analog./digitalinputs

▲6 configurable digital inputs

▲Support for 0-10 V & 4-20 mAoil pressure sensors

▲Configurable staged loadingoutputs

▲CAN, MPU and alternator speed sensing in one variant

▲3 engine maintenance alarms

▲engine speed protection

▲Engine pre-heat

▲Multiple date and time scheduler

▲Engine idle control for starting &stopping

▲Fuel pump control

▲Battery voltage monitoring

▲Start on low battery voltage

▲Configurable remote start input

▲alternative configuration

▲alarm including common alarm,common electric and common shutdown

▲LCD and LED alarm indication

▲Configurable event log (50)

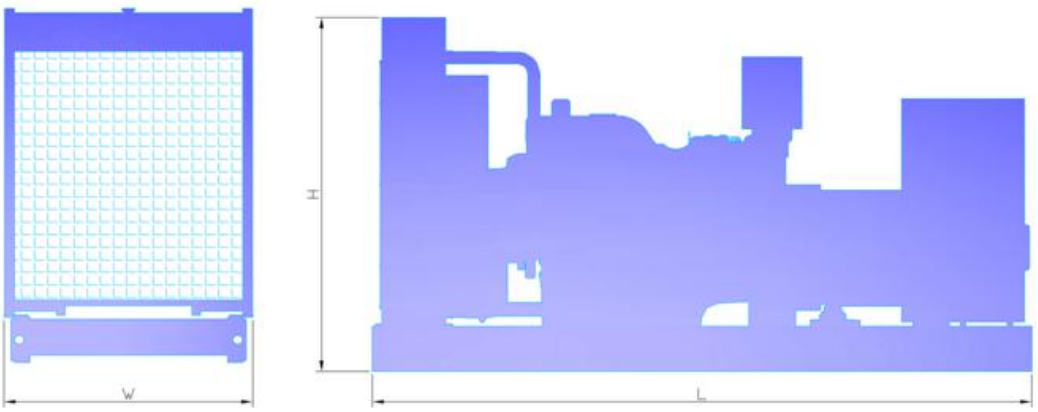
▲Heated display option available

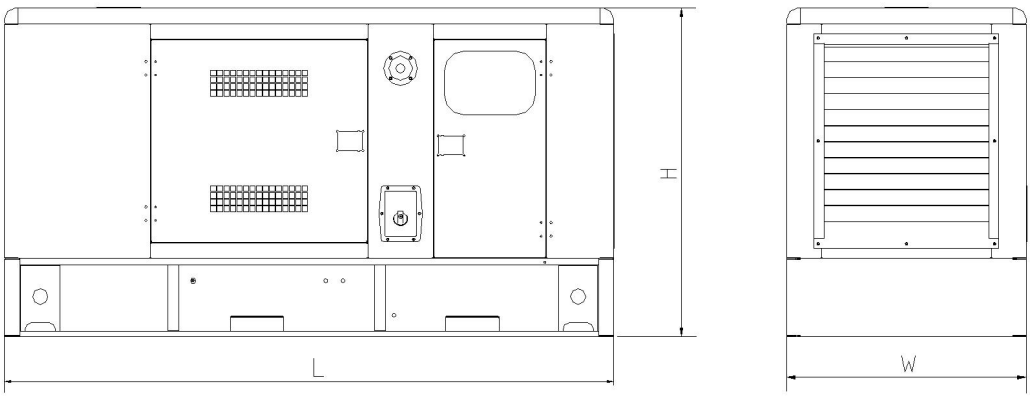
☆*For more information, please visit the official website*

Ⅶ. WARRANTY POLICY

1) Standard warranty valid for one year 1000 hours (whichever comes first) from initial sales date to the end user. Refer to UQ-Power Diesel engine Warranty Manual for more details.
2. Maintenance parts (filters belts, hoses,batteries, ECT) improper operation and maintenance failures are excluded from the warranty policy.

Open unit size	2450x950x1570 mm
Weight	1650KG
Enclosed (Sound) unit size	2800x1100x1800
Weight	2200KG





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