UQ-Power Diesel Generator Set

Model: PE14

Sound attenuated enclosed unit shown

Open unit shown

Ⅰ. GENERAL DATA

Prime Power	kW/kVA	9	9
Standby Power	kW/kVA	13	13
Frequency	Hz/rpm	60	1800
Voltage	V	120	240
Current	A	54	
Connection	/	2P3W	
Rated Power Factor	/	1	
Open Type（L×W×H）	mm	1200×750×1200	
Open Type(Weight)	kg	350	
Silent Type（L×W×H）	mm	1800×1000×1180	
Silent Type(Weight)	kg	750	

■Also available in the following voltages 480/277V, 240/120V, 208/120V

■All data based on ISO 3046, altitude 1000m (361ft), 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 with 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 et
Alternator	YANAN brushless AC alternator
Radiator	40℃, fan protective shroud
Base frame	<500KW: base mounted fuel tank, fuel meter, rubber anti-vibration pads, battery holder ≥500KW: channel steel base frame
Circuit Breaker	Molded case circuit breaker(MCCB).
Control System	DEEP SEA 6020
Start Battery	Lead-acid battery, available for 6 times starts under standard condition; connection cables
Installation Accessories	Bellow, Elbow and flange, Exhaust silencer, etc.
Tool	YANAN standard
Documents	Mechanical drawing, electric drawing, operation & maintenance manual, certification etc.

Ⅲ . OPTIONAL CONFIGURATION

Engine accessories	◇Heavy-duty air filter ◇Coolant heater ◇Lube oil heater ◇Fuel and Water Separator
Alternator and accessories	◇Stamford ◇Leroy Somers ◇Marathon ◇Anti condensation heater ◇PMG kV ◇High voltage
Cooling system	◇50℃radiator ◇Heat exchanger + water cooling tower + External water circulation pumping system ◇Remote horizontal water tank system
Control System	◇AMF ◇Parallel ◇Practical type in low temperature environment ◇Control Screen Heater ◇Other（Comap、DEIF）
Circuit Breaker	◇3/4 poles ◇Fixed/handcart type ◇Electric mechanism
Automatic Transfer Switch	◇ATS cabinet
Start Battery	◇Nickel-cadmium battery ◇Maintenance-free battery ◇Power charger and selector ◇Charging current meter
External Fuel Tank	◇500L ◇1000L ◇1500L ◇2000L ◇2500L ◇3000L ◇4000L ◇5000L
Others	_____

Ⅳ. *ENGINE DATA*

Engine Model	403D-15G	Engine power	10.3	kW
Aspiration	Naturally aspirated	Displacement	1.131	L
Type	Vertical in-line	Bore×Stroke	77×81	mm
No. of Cylinders	3	Compression Ratio	23:1	
Governor Type	Mechanical	Rated Speed	1800	RPM

■ *Fuel System*

Prime power Fuel consumption	3.15	l/h	Standby power Fuel consumption	3.76	l/h
Fuel #	0# Diesel		Injection System	Cassette type	

■ *Lubrication System*

Luba Oil Capacity	4.9	L	lube Oil Consumption	0.014	l/h
lube #	API CF-4 15W40		Max.Temperature	125	℃

■ *Coolant System*

Coolant Capacity	5.2	L	Max. Top Tank Temp.	105	℃
Std. Thermostat (Modulating) Range	75-87	℃	Fan Drive Type	Shaft drive	
Exhaust air volume	26.4	m3/min	Fan Power	0.2	kW

■ *Air Intake System*

Air intake capacity	0.7 m3/min	Air Pressure	3	kPa

■ *Exhaust System*

Exhaust Gas Flow	2.21/2.4	m3/min	Max.Back Pressure	10.2	kPa
Exhaust Gas Temp。	≤515	℃	Exhaust pipe size	φ60	mm

■ *Starting System*

Start Mode	Electric start	Battery	80x1	Ah

V. ALTERNATOR DATA

Alternator Model	SLG164D	Rate Power	16.5	kW/kVA
PF.	1	Voltage	120/240	V
Phase	2	Frequency	60	Hz
Connection	1P 3W	Bearing	Single Bearing	
Winding Pitch	2/3	Protection Class	IP21	
Insulation Class	H/H	Efficiency	72.10%	
Tel. Influence	TIF：＜50	Voltage Regulation	±1.0%	
Harmonic Coefficient	THF：＜2%	AVR	YN440	
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 flexible inputs, outputs and protections, the modules can be easily adapted to suit a wide range of applications.

■ *Key Function*

▲utility voltage sensing

▲Generator/load power monitoring (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./digital inputs

▲6 configurable digital inputs

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

▲Configurable staged loading outputs

▲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)

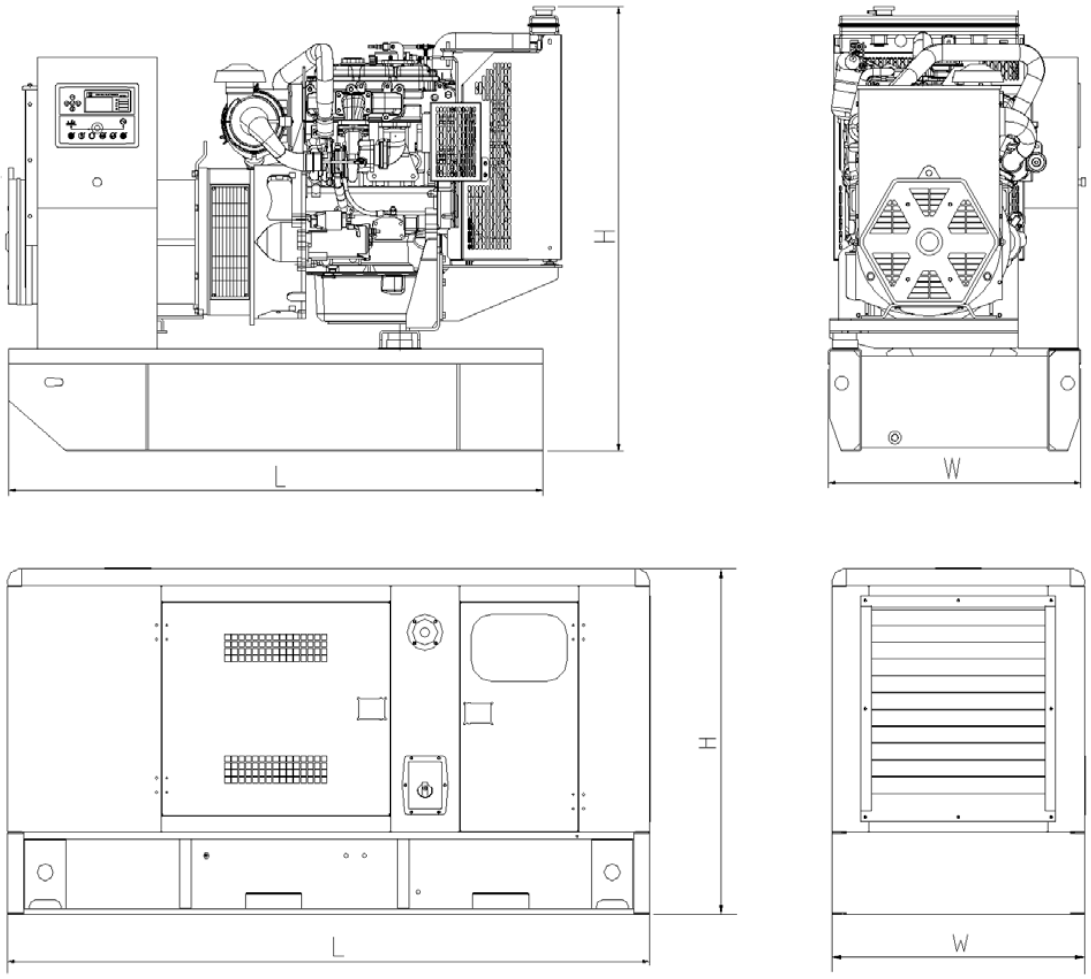
▲Heated display option available

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

Ⅶ. WARRANTY POLICY

1. Warranty peirod is for two years 0r 2000 hours (whichever comes first) from initial start up date Refer to UQ-Power Diesel engine warranty manual for details.
2. Service/maintenance parts (belts,hoses,batteries,filters, ECT), improper operation, and maintenance failures are excluded from the warranty policy.

Ⅷ. DRAWING (for illustration purposes only)



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