

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°C (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°C, 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°C 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

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

■ Coolant System

Coolant Capacity	5.2	L	Max. Top Tank Temp.	105	°C
Std. Thermostat (Modulating) Range	75-87	°C	Fan Drive Type	Shaft drive	
Exhaust air volume	26.4	m ³ /min	Fan Power	0.2	kW

■ Air Intake System

Air intake capacity	0.7	m ³ /min	Air Pressure	3	kPa
---------------------	-----	---------------------	--------------	---	-----

■ Exhaust System

Exhaust Gas Flow	2.21/2.4	m ³ /min	Max.Back Pressure	10.2	kPa
Exhaust Gas Temp.	≤515	°C	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**

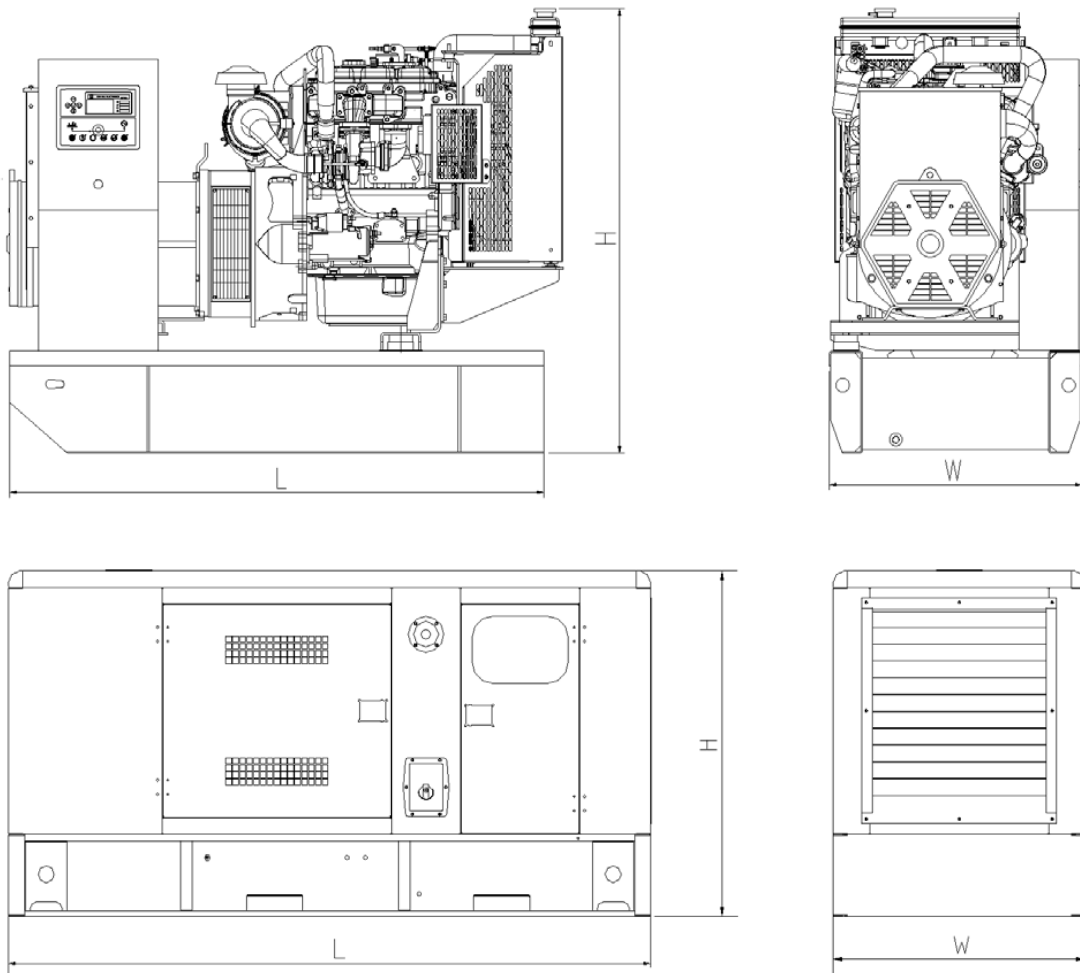
- ▲ utility voltage sensing
- ▲ Generator/load power monitoring (kW, kV A, kV Ar, pf)
- ▲ Generator overload protection (kW)
- ▲ Efficient power save mode
- ▲ mains and generator closed via front panel
- ▲ 4 configurable DC outputs
- ▲ 4 configurable analog./digital inputs
- ▲ 6 configurable digital 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 period is for two years Or 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)



3875 Duck Creek Dr.
Stockton, Ca. 95215
(800) 760-9598 www.UQ-Power.com