



Data Sheet of QTP1380PE

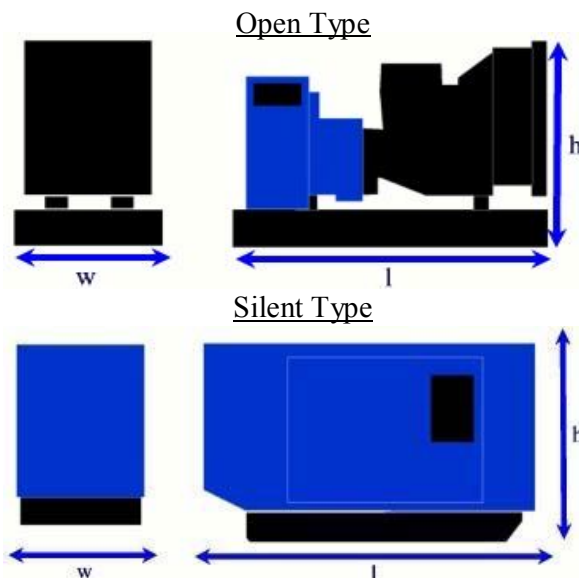
DIESEL GENERATING SET
(50Hz/1500rpm)

Prime power: 1250kVA/1000kW
Standby power: 1375kVA/1100kW

GENERATOR SET

Powered by *PERKINS*

- ◇ Composed of STAMFORD alternator.
- ◇ LEROY-SOMER alternator is also available.
- ◇ Engine model: 4012-46TWG2A.
- ◇ Alternator model: LVI634G.
- ◇ 10 hours base fuel tank.
- ◇ Governor: Electronic speed governor.
- ◇ Base are made with strong steel frame with special touch.
- ◇ Industrial muffler.
- ◇ Skid and vibration isolator.
- ◇ Dry type air filter.
- ◇ Equipped with MCCB.
- ◇ Single bearing alternator IP23.
- ◇ Insulation class H/H.
- ◇ Soundproof or Canopy is optional.
- ◇ Residential silencer is optional.



Main Specification

Genset model	QTP1380PE
Rated voltage	380/220V
Prime power	1000kW/1250kVA
Standby power	1100kW/1375kVA
Connection	3 phases 4 wires
Frequency	50Hz
Rated speed	1500rpm
Rated current	1987A
Governing	Electrical

Voltage Available as below:

400-415V/230-240V 220V/440V 50Hz

Note: Any special voltage is also available for us and contact us for details.

Ambient reference condition:

Altitude: 1000m
Ambient temperature: 40°C

Note: Contact us for details if there is different ambient.

Dimensions and weight

Genset	Dimension (LxWxH)	Weight
Open type	(4850x1800x2450)mm	11716Kg
Silent type	(9120x2438x2896)mm	17716Kg

ENGINE DATA

Manufacturer/Model	PERKINS/ 4012-46TWG2A (4-cycle)
Cylinder/Arrangement	12/Vee
Displacement	45.482L
Bore and Stroke	(160×190)mm
Compression ratio	13:1
Rated RPM	1500rpm
Max. stand by power at rated RPM	1217kW
Frequency regulation, steady state	0.25 %

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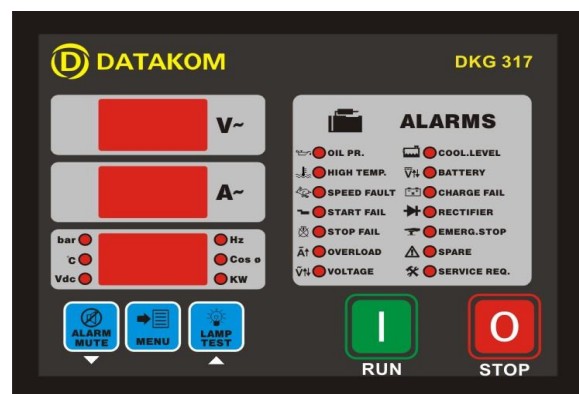
Governor type	Electrical
Exhaust system	
Exhaust gas flow	180m ³ /min
Exhaust temperature	422 ⁰ C
Max. back pressure	3kPa
Fuel system	
Fuel consumption 100% (of the Prime power)	259L/h
Air intake system	
Engine air flow	109m ³ /min
Lubrication system	
Total oil capacity w/filter	177L
Cooling system	
Radiator and engine capacity	196L
Max. coolant temperature	101 ⁰ C
Thermostat adjusting temperature (range)	71-85 ⁰ C
Electric system	
Charge alternator	24V

ALTERNATOR DATA

Manufacturer/Type	STAMFORD/ LVI634G
Number of phase power	4/In Line
Factor (Cosφ)	0.8
Number of pole	4
Number of bearing/Coupling	1/Direct
Exciter type	Brushless SHUNT
Insulation: class/temperature rise	H/H
Protection	IP23

CONTROLLER DATA

Manufacturer/Model	DATAKOM/DKG317
Type	AutoStart



Specification:

Frequency meter, Ammeter, Voltmeter, Alarm and faults: Oil pressure, Water temperature, No start-up, Over and Under speed, Min/max battery voltage, Emergency stop.

Engine parameters:

Hours counter, Oil pressure, Water temperature. Genset active power measurement. Genset power factor measurement. Periodic maintenance request indicator. Event logging. RS-232 serial port.

Manufacture reserves the right to make changes in model, technical specifications, color, equipment and accessories without prior notice.

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