



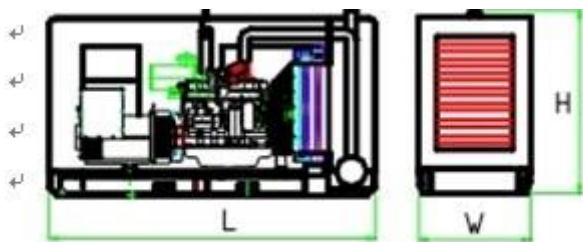
## Diesel Generator Set HTP-275

### General Features

- ⌘ All qualified generator sets are subjected to a comprehensive performance test which includes 50% load, 75% load, 100% load, 110% load and to check, verify that all control systems, alarm and shut-down protection.
- ⌘ Equipped with battery charger and 24V high Performance maintenance-free lead-acid starting batteries and connecting cables.
- ⌘ Equipped with industrial silencer and flexible exhaust hose.
- ⌘ Equipped with 8-hours operation base fuel tank.
- ⌘ Equipped with DELIXI circuit breaker.
- ⌘ Designed to Comply with ISO8528/GB2820.
- ⌘ Powered by Cummins engine and coupled with Stamford alternator.

### Advantages

- ⌘ Stability, reliability and easy-service
- ⌘ Low operating and maintenance cost
- ⌘ Widely used, location to meet customer needs
- ⌘ Easy-installation, easy-operation and maintenance



### Dimension and Weight

⌘ Length (L)	mm	3630
⌘ Width (W)	mm	1530
⌘ Height (H)	mm	2.200
⌘ Weight	kg	3.300
⌘ Tank capacity	L	450

### Environment Condition

⌘ Environment temperature	°C	≤50
⌘ Relative humidity	%	≤90
⌘ Altitude	m	≤1000



Photos reference only

### Genset Technical Data

Prime power	250 kVA
Standby power	275 kVA
Rated speed	1500 RPM
Output frequency	50 Hz
Phase	3
Rated voltage	380 V
Noise dB(A) @ 7m	75
Engine model	WP10D264E200
Alternator model	TAL-A46-D
Fuel consumption of 100% load	50 Litres/h
Fuel consumption of 75% load	39 Litres/h
Voltage regulation rate	≤±1%
Random voltage variation	≤±1%
Frequency regulation rate	≤±5%

#### Prime Power

This rating is for the supply of continuous electrical power (at variable load). There is no limit on the annual hours of operation and 10% overload power can be supplied for 1 hour in 12.

#### Standby power

This rating is for the supply of continuous electrical power (at variable load) in the event of a utility power failure. No overload is permitted.

#### Rated voltage

Available with customer requirements.



## Engine Specifications

Engine model	WP10D264E200
Engine manufacturer	WEICHAI
Number of cylinders	6
Cylinder arrangement	In-Line
Cycle	Four stroke
Aspiration	Turbocharged & Intercooled (Air to Air)
Bore×Stroke (mm×mm)	126 x 130
Displacement (Liter)	9.726
Compression Ratio	17:1
Prime power/speed (kW/RPM)	240/1500
Standby power/speed (kW/RPM)	264/1500
Speed governor	Electrical
Cooling system	Water-cooled
Steady speed droop (%)	≤5%
Total lubrication system capacity (L)	22
Coolant capacity (engine only) (L)	90
Fuel consumption at 100% load (g/kWh)	205 (at 1500rpm)
Starter motor	24 V×7.0kW
Alternator	24 V× 45A

## Alternator Specifications

Alternator model	TAL-A46-D
Alternator manufacturer	Leroy somer
Exciter type	Single bearing, Brushless, Self-excited
Rated output prime power	250kVA
Rated speed	1500 RPM
Rated frequency	50 Hz
Phase	3
Rated voltage	380 V(Available with customer requirements)
Power factor	0.8
Voltage adjust range	≥5%
Voltage regulation NL-FL	≤±1%
Insulation grade	H
Protection grade	IP23

**Alternator option: Leroy Somer, Stamford**



## Control System DSE6020

All gensets have a control cubicle (the Deepsea control module DSE6020 as standard) mounted on a isolated support, which has the following features.

- „ Electronic digital control module with monitoring/control facility and warning indicators „
- Automatic shutdown protection
- „ Emergency stop button (lock-down type)
- „ AC output circuit breaker with over-current protection
- „ DC circuit control switch

### *The control module display*

- „ Generator voltage
- „ Output frequency
- „ Engine speed
- „ Battery voltage
- „ Engine run-time (Hours)



Note:

1. The engine coolant temperature displayed by water temperature gauge
2. The engine oil pressure displayed by oil pressure meter
3. Generator current displayed by current meter, to change switch for each phase displayed separately

### *The control module display for failure information*

- „ Overspeed / underspeed
- „ Emergency stop
- „ Low oil pressure
- „ High water temperature
- „ Failure to start
- „ Battery charger failure

### *Automatic shutdown*

- „ Low engine oil pressure
- „ High engine water temperature
- „ Overspeed/underspeed
- „ Failure to start after three attempts

### *The control modules option*



DSE702



HGM6120



DSE7320



DSE8610



## Generator Set Options and Accessories

### Generator set

- Silence generator set
- Trailer generator set
- Single phase generator set
- ABB MCCB circuit breaker

### Fuel system

- 12 hour base tank(single wall)
- 24 hour base tank(single wall)
- Dual wall base fuel tank
- Outside fuel tank

### Exhaust system

- Residential exhaust silencer

### Alternator

- PMG excitation
- Space heater

### Low environment temperature

- Water heater
- Oil heater
- Battery heater

### Control system

- AMF function
- ATS control cabinet
- Multiple generator automatic synchronising

## Contact Us

### Elephant Tech Fuzhou Co.,Ltd.

ADD:NO.156 ZHIZHUAN NORTH  
ROAD,BANZHONG,FUAN FUJIAN,CHINA  
Tel: +86-591-88371591 88373592 Fax: +86-591-88371593  
Email : sales@etmax.cn.vc  
Web site : www.fjexcel.com

### WARNING:

Do not connect generator sets to any load and electrical equipments unless the circuit breaker in the disconnected condition.