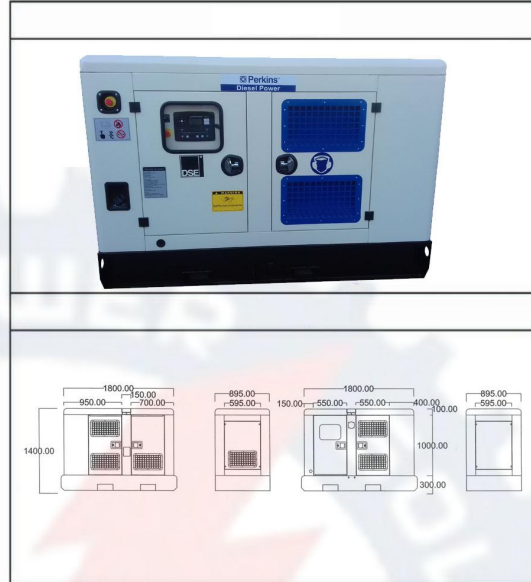




TP15

Standard features

- Engine : PERKINS , 403A-15G1
- Charge alternator : 12V
- Governor : Electrical
- Generator : LEROY SOMER LSA/TAL040 D
- Single bearing alternator IP 23
- Insulation class H/H
- Radiator 50°C max with coolant cap
- Skid and vibration isolators
- Dry type air filter
- Main line circuit breaker
- 12V battery and cable
- Industrial muffler
- User's manual

**Weight and Dimensions**

| GEN-SET-TP15 | Dimensions (L X W X H) | Weight |
|--------------|-------------------------|--------|
| Open type | 1410mm X 715mm X 1080mm | 466Kg |
| Silent type | 1700mm X 850mm X 1220mm | 716Kg |

Generator Ratings

| Voltage | Hz | Phase | Power factor | Standby AMP | Standby Rating (KVA/KW) | Prime Rating (KVA/KW) |
|---------|----|-------|--------------|-------------|-------------------------|-----------------------|
| 400/230 | 50 | 3 | 0.8 | 21 | 15/12 | 13/10 |

Engine Data

| | |
|-------------------------------------|---------------------------|
| Manufacturer/Model | PERKINS 403A-15G1 4-cycle |
| Cylinder /Arrangement | 3 / L |
| Displacement | 1.496 L |
| Bore and Stroke | 84 mm×900 mm |
| Compression ratio | 22.5 : 1 |
| Rated RPM | 1500 RPM |
| Max. stand by power at rated RPM | 13.3 KW |
| Frequency regulation , steady state | ± 0.75% |
| Governor : type | Electrical |

Exhaust System

| | |
|---------------------|-------------------------|
| Exhaust gas flow | 2.7 m ³ /min |
| Exhaust temperature | 445 °C |
| Max back pressure | 10.2 kPa |

**Fuel System**

| | |
|--|-----------|
| Fuel consumption 100% (of the Prime Power) | 6.8 L / h |
|--|-----------|

Oil system

| | |
|------------------------------|-----|
| Total oil capacity w/filters | 6 L |
|------------------------------|-----|

Air intake

| | |
|-----------------|-------------------------|
| Engine air flow | 1.1 m ³ /min |
|-----------------|-------------------------|

Coolant System

| | |
|----------------------------|---------|
| Radiator & engine capacity | 6 L |
| Max water temperature | 112°C |
| Thermostat | 82-95°C |

Generator Data

| | |
|---------------------------------------|---------------------------|
| Manufacturer / Type | LERROY SOMER LSA/TAL040 D |
| Number of phase power | 3 |
| Factor (Cos Phi) | 0.8 |
| Pole : number | 4 |
| Bearing : number | 1 |
| Coupling | Direct |
| Exciter type | Brushless SHUNT |
| Insulation : class , temperature rise | H / H |
| protection | IP23 |

Control panel

The DSE 701 is made by DEEPSEA in England and is a new control module for single gen-set applications, and it is an Automatic Star Control Module and is simple to operate, and the module includes USB, RS232 and RS485 for expansion device connectivity

Specifications: Frequency meter, Ammeter, Voltmeter
Alarms and faults Oil pressure, water temperature, No start-up, Overspeed, Min/max alternator, Min/max battery voltage, Low fuel level, Emergency stop. Connect to VOLVO J1939

Engine parameters: Hours counter, Oil pressure, Water, temperature, Engine speed, Battery voltage, Fuel level.