

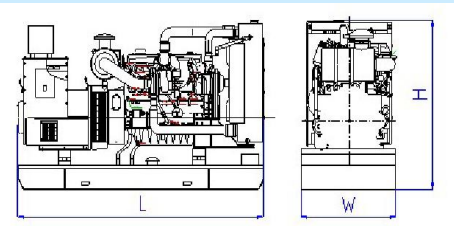
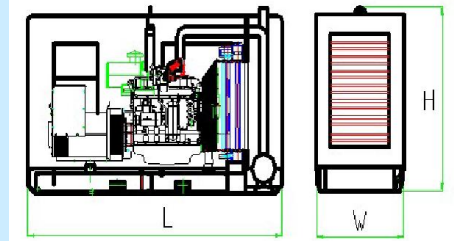
## ENLP220-3

Standby power : 220KVA/176KW

Prime power : 200KVA/160KW

### Standard features

- Engine: PERKINS , 1106A-70TAG4
- Charge alternator : 12V
- Governor : Electrical
- Generator : LEROY SOMER , LSA46.2 M5
- 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

|                                                                                     |                                                                                                  |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
|   | <p><b>Open Type</b></p> <p>Overall size (L*W*H)<br/>2550mm×950mm×1535mm<br/>Weight: 1850kg</p>   |
|  | <p><b>Silent Type</b></p> <p>Overall size (L*W*H)<br/>3686mm×1256mm×2068mm<br/>Weight:2314kg</p> |

### Generator Ratings

3-PH, 50Hz@1500RPM, 400/230V (Also Can Be Made According To Customers' Special Requirements)

| Voltage | Hz | Phase | Power factor | Standby AMP | Standby rating<br>(KVA/KW) | Primerating<br>(KVA/KW) |
|---------|----|-------|--------------|-------------|----------------------------|-------------------------|
| 400/230 | 50 | 3     | 0.8          | 318         | 220/176                    | 200/160                 |

### Engine data

|                                     |                              |
|-------------------------------------|------------------------------|
| Manufacturer/Model                  | PERKINS 1106A-70TAG4 4-cycle |
| Cylinder /Arrangement               | 6/ L                         |
| Displacement                        | 7.01L                        |
| Bore and Stroke                     | 105mm×135 mm                 |
| Compression ratio                   | 16 : 1                       |
| Rated RPM                           | 1500 RPM                     |
| Max. stand by power at rated RPM    | 196.3KW                      |
| Frequency regulation , steady state | ± 5%                         |
| Governor : type                     | Electrical                   |

**Exhaust System**

|                     |                         |
|---------------------|-------------------------|
| Exhaust gas flow    | 36.6m <sup>3</sup> /min |
| Exhaust temperature | 580°C                   |
| Max back pressure   | 10kPa                   |

**Fuel System**

|                                           |         |
|-------------------------------------------|---------|
| Fuel consumption100% (of the Prime Power) | 47L / h |
|-------------------------------------------|---------|

**Oil System**

|                              |       |
|------------------------------|-------|
| Total oil capacity w/filters | 16.5L |
|------------------------------|-------|

**Air intake**

|                 |                         |
|-----------------|-------------------------|
| Engine air flow | 14.5m <sup>3</sup> /min |
|-----------------|-------------------------|

**Coolant System**

|                            |         |
|----------------------------|---------|
| Radiator & engine capacity | 21.0L   |
| Max water temperature      | 110°C   |
| Thermostat                 | 82-93°C |

**Generator Data****Optional:** STAMFORD, MARATHON, MECALETE, SMF.

|                                               |                                                                                    |
|-----------------------------------------------|------------------------------------------------------------------------------------|
| Alternator Model                              | LSA46.2 M5 ( LEROY SOMER )<br>Please Refer To The“ Genset Main Technical Data”     |
| Phase/Connect                                 | 3-phase 4-wire ,Y type connection                                                  |
| Excitation Model                              | Self-excite,automatic voltage regulation,Insulation:H,Bruhless,Enclosure:IP21—IP23 |
| Power Factor                                  | 0.8                                                                                |
| The regulating rate of instantaneous voltage: | -15%~ +20%                                                                         |
| The time of steady voltage:                   | ≤1.5sec                                                                            |
| The waving rate of voltage:                   | ≤1.0%                                                                              |
| The regulating rate of steady frequency:      | ≤5%                                                                                |
| regulating rate of instantaneous frequency:   | ≤±10%                                                                              |
| The time of steady frequency:                 | 3sec                                                                               |
| The waving rate of frequency:                 | ≤1%                                                                                |

**Control panel****Optional:** DSE3110, DSE6020, HGM6110, HGM6120.....

- ☆ Compact genset controller for single genset operating in standby mode;
- ☆ Meets all requirements for Auto Mains Failure (AMF) applications;
- ☆ Full gen-set monitoring and protection;
- ☆ Running hours event and performance log;
- ☆ Multiple languages (user changeable) in controller, even more in installation suite;
- ☆ Web Supervisor, Air Gate and Locate support\*
- ☆ Plug-in extension modules capability;
- ☆ Automatic SMS on alarm or event & gen-set control over SMS\*;
- ☆ Supports prime mover (MRS) applications;
- ☆ Automatic and manual GCB and MCB control;
- ☆ Optional GSM/GPRS modem/wireless Internet via IL-NT GPRS
- ☆ D+ pre-excitation terminal;

Note: All data sheets are for reference only and subject to change without prior notice.