

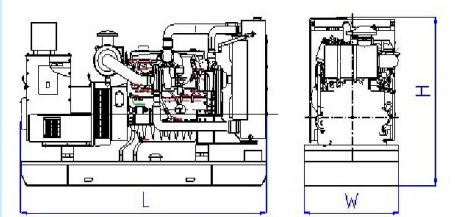
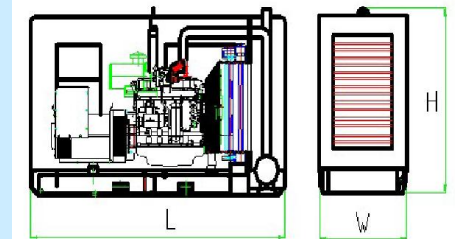
## ENLC1500-3

Standby power : 1500KVA/1265KW

Prime power : 1437KVA/1150KW

### Standard features

- Engine: CUMMINS , KTA50-G3
- Charge alternator : 24V
- Governor : Electrical
- Generator : LEROY SOMER , LSA50.2M6
- 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
- 24V battery and cable
- Industrial muffler
- User's manual

|                                                                                     |                                                                                        |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|   | <b>Open Type</b><br>Overall size (L*W*H)<br>4900mm×2060mm×2400mm<br>Weight: 8895kg     |
|  | <b>Silent Type</b><br>Overall size (L*W*H)<br>12192mm×2438mm×2896mm<br>Weight: 15845kg |

### Generator Ratings

3-PH, 60Hz@1800RPM, 480/277V (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) |
|---------|----|-------|--------------|-------------|----------------------------|-------------------------|
| 480/277 | 60 | 3     | 0.8          | 1902        | 1500/1265                  | 1437/1150               |

### Engine data

|                                     |                          |
|-------------------------------------|--------------------------|
| Manufacturer/Model                  | CUMMINS KTA50-G3 4-cycle |
| Cylinder /Arrangement               | 16 / 60°V                |
| Displacement                        | 50.3 L                   |
| Bore and Stroke                     | 159mm×159mm              |
| Compression ratio                   | 13.9: 1                  |
| Rated RPM                           | 1800 RPM                 |
| Max. stand by power at rated RPM    | 1380KW                   |
| Frequency regulation , steady state | ±0.25%                   |
| Governor : type                     | Electrica                |

**Exhaust System**

|                     |          |
|---------------------|----------|
| Exhaust gas flow    | 4541 L/s |
| Exhaust temperature | 531℃     |
| Max back pressure   | 76mmHg   |

**Fuel System**

|                                           |           |
|-------------------------------------------|-----------|
| Fuel consumption100% (of the Prime Power) | 254 L / h |
|-------------------------------------------|-----------|

**Oil System**

|                              |         |
|------------------------------|---------|
| Total oil capacity w/filters | 177.0 L |
|------------------------------|---------|

**Air intake**

|                 |         |
|-----------------|---------|
| Engine air flow | 1643L/s |
|-----------------|---------|

**Coolant System**

|                            |        |
|----------------------------|--------|
| Radiator & engine capacity | 134L   |
| Max water temperature      | 104℃   |
| Thermostat                 | 82-93℃ |

**Generator Data**

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

|                                               |                                                                                    |
|-----------------------------------------------|------------------------------------------------------------------------------------|
| Alternator Model                              | LSA50.2M6 ( 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, AMF20, HGM6110, HGM6120.....

The DSE6010 is an Auto Start Control Module and the DSE6020 is an Auto Mains (Utility) Failure Control Module for single gen-set applications .

Both modules have been designed to work with electronic and non electronic engines providing advanced engine monitoring and protection features .