

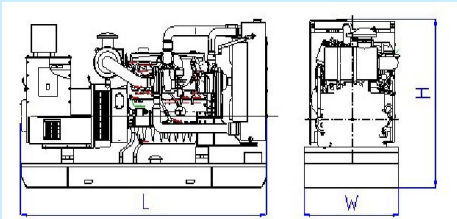
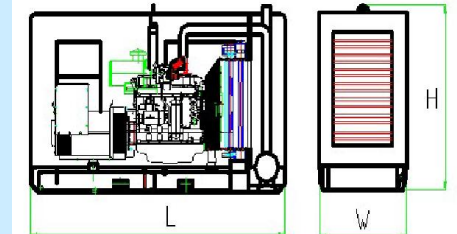
## ENLC690-3

Standby power : 690KVA/550KW

Prime power : 625KVA/500KW

### Standard features

- Engine: CUMMINS , KTAA19-G6A
- Charge alternator : 24V
- Governor : Electrical
- Generator : LEROY SOMER , LSA49.1S4A
- 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>3580mm×1555mm×2140mm<br>Weight: 4556kg   |
|  | <b>Silent Type</b><br>Overall size (L*W*H)<br>5606mm×1606mm×3070mm<br>Weight: 6316kg |

### 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          | 995         | 690/550                    | 625/500                 |

### Engine data

|                                     |                           |
|-------------------------------------|---------------------------|
| Manufacturer/Model                  | CUMMINS KTAA19-G5 4-cycle |
| Cylinder /Arrangement               | 6/ L                      |
| Displacement                        | 18.9L                     |
| Bore and Stroke                     | 159mm×159mm               |
| Compression ratio                   | 13.0: 1                   |
| Rated RPM                           | 1500 RPM                  |
| Max. stand by power at rated RPM    | 610KW                     |
| Frequency regulation , steady state | ≤ 1%                      |
| Governor : type                     | Electrical                |

**Exhaust System**

|                     |         |
|---------------------|---------|
| Exhaust gas flow    | 2054L/s |
| Exhaust temperature | 584℃    |
| Max back pressure   | 10KPa   |

**Fuel System**

|                                           |          |
|-------------------------------------------|----------|
| Fuel consumption100% (of the Prime Power) | 127.8L/h |
|-------------------------------------------|----------|

**Oil System**

|                              |       |
|------------------------------|-------|
| Total oil capacity w/filters | 50.0L |
|------------------------------|-------|

**Air intake**

|                 |        |
|-----------------|--------|
| Engine air flow | 750L/s |
|-----------------|--------|

**Coolant System**

|                            |        |
|----------------------------|--------|
| Radiator & engine capacity | 175.0L |
| Max water temperature      | 104℃   |
| Thermostat                 | 82-93℃ |

**Generator Data**

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

|                                               |                                                                                    |
|-----------------------------------------------|------------------------------------------------------------------------------------|
| Alternator Model                              | LSA47.2VS4A( 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 .