

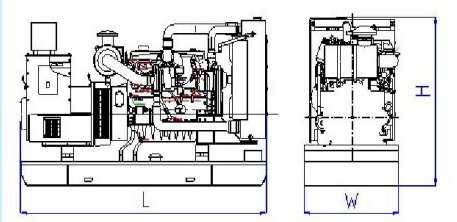
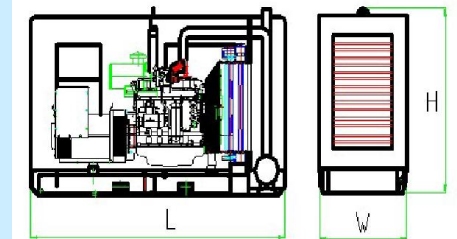
**ENLV500-3**

Standby power : 500KVA/400KW

Prime power : 450KVA/360KW

**Standard features**

- Engine: VOLVO , TAD1345GE
- Charge alternator : 24V
- Governor : Electrical
- Generator : LEROY SOMER , LSA47.2 S5
- 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>3205mm×1115mm×1800mm<br>Weight: 3200kg   |
|  | <b>Silent Type</b><br>Overall size (L*W*H)<br>4225mm×1460mm×2150mm<br>Weight: 4405kg |

**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          | 721         | 500/400                    | 450/360                 |

**Engine data**

|                                     |                          |
|-------------------------------------|--------------------------|
| Manufacturer/Model                  | VOLVO TAD1345GE, 4-cycle |
| Cylinder /Arrangement               | 6 / L                    |
| Displacement                        | 12.78L                   |
| Bore and Stroke                     | 131 mm×158 mm            |
| Compression ratio                   | 18: 1                    |
| Rated RPM                           | 1500 RPM                 |
| Max. stand by power at rated RPM    | 431KW                    |
| Frequency regulation , steady state | ≤ 1%                     |
| Governor : type                     | EMS2                     |

**Exhaust System**

|                     |                         |
|---------------------|-------------------------|
| Exhaust gas flow    | 58.3m <sup>3</sup> /min |
| Exhaust temperature | 570°C                   |
| Max back pressure   | 10kPa                   |

**Fuel System**

|                                            |         |
|--------------------------------------------|---------|
| Fuel consumption 100% (of the Prime Power) | 88.5L/h |
|--------------------------------------------|---------|

**Oil System**

|                              |     |
|------------------------------|-----|
| Total oil capacity w/filters | 36L |
|------------------------------|-----|

**Air intake**

|                 |                        |
|-----------------|------------------------|
| Engine air flow | 402m <sup>3</sup> /min |
|-----------------|------------------------|

**Coolant System**

|                            |         |
|----------------------------|---------|
| Radiator & engine capacity | 44L     |
| Max water temperature      | 107°C   |
| Thermostat                 | 82-92°C |

**Generator Data**

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

|                                               |                                                                                    |
|-----------------------------------------------|------------------------------------------------------------------------------------|
| Alternator Model                              | LSA47.2 S5( 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 .