

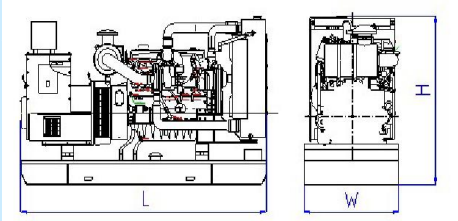
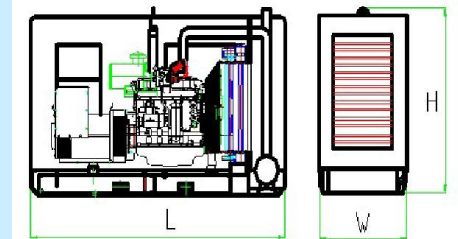
ENLD138-3

Standby power : 137.5KVA/110KW

Prime power : 125KVA/100KW

Standard features

- Engine: DOOSAN , D1146T
- Charge alternator : 24V
- Governor : Electrical
- Generator : LEROY SOMER , LSA44.2VS45
- Single bearing alternator IP 23
- Insulation class H/H
- Radiator 45°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

	Open Type Overall size (L*W*H) 2759mm×870mm×1640mm Weight: 1712kg
	Silent Type Overall size (L*W*H) 3756mm×1356mm×2068mm Weight: 2500kg

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 (KVA/KW)	Primerating (KVA/KW)
480/277	60	3	0.8	159	138/110	120/100

Engine data

Manufacturer/Model	DOOSAN D1146T 4-cycle
Cylinder /Arrangement	6/ L
Displacement	8.071L
Bore and Stroke	111mm×139mm
Compression ratio	16.8 : 1
Rated RPM	1500 RPM
Max. stand by power at rated RPM	138KW
Frequency regulation , steady state	≤ 1%
Governor : type	Electrical

Exhaust System

Exhaust gas flow	38.8 m ³ /min
Exhaust temperature	530°C
Max back pressure	5.9 kPa

Fuel System

Fuel consumption100% (of the Prime Power)	175 L / h
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Oil System

Total oil capacity w/filters	19 L
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Air intake

Engine air flow	13.9 m ³ /min
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Coolant System

Radiator & engine capacity	14 L
Max water temperature	100°C
Thermostat	71-85°C

Generator Data

Optional: STAMFORD, MARATHON, MECALETE, SMF.

Alternator Model	LSA44.2VS45(LEROY SOMER) 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.