# POWERED BY HYUNDAI



All Days | Safty | Reliable | Stability













# **TECHNICAL SPECIFICATION**

## DHY605KSE CANOPY TYPE

50Hz Standby 605KVA

### **Benefits and Feature**

- Use best HYUNDAI engine, low fuel consumption, running reliable
- High quality and performance brushless alternator, with AVR
- High quality controller of Deepsea
- Block design electrical control system, easy operate and maintenance with circuit breaker protection.
- > With baseframe forklift hole and generator canopy lifting hole
- > Industrial waterproof canopy, ensure generator all days running
- ➤ Industrial silencer (7 meters the noise is lower than 72dB)
- Easy operation, IP23 protection industrial sockets and plugs
- Four pole circuit breaker with RCD earth protection

Technical Specification		
Prime Power	KVA/KW	525/ 440
Standby Power	KVA/KW	605/ 484
Power Factor		0.8
Frequency	Hz	50
Rate Voltage	V	230/400
Control Voltage	DC/V	24
Controller		Deepsea DSE6120
Coolant Capacity	L	21
Fuel Tank Capacity (Base frame)	L	880
Fuel Consumption (100% load)	L/H	123.6

Voltage		
Steady regulation	%	≤ ± 1
Frequency		
Steady regulation	%	≤ ± 1
Environment require		
Temperature	°C	≤ 40
Humidity	%	≤ 60
Altitude	М	≤ 1000
Standard ISO 9001:2015, ISO 14001		

# Dimension | Weight | Sound



### DHY605KSE CANOPY TYPE

Length (L)	mm	4550
Width (W)	mm	1850
Height (H)	mm	2430
Weight net	Kg	4750
Loading capacity (unit/container)		
Sound @7 meter	dB	75±5

### Note

- Generator continuous running at variable load for unlimited periods with 10% overload available for 1 hour in any 12 hour period
- 2. Every generator strictly test on 0%, 25%, 75%, 100%, 110% load, dynamic of the responsiveness ability, and all protections



### Powerful engine and reliable running quality

Durable running performance and was proofed by vehicle's application

Compact structure and metal materials saving for low cost

### Low maintenance and repair cost

Air, fuel and oil tubes are silicone and stainless steel materials, which reduce leakage problems substantially and changeable.

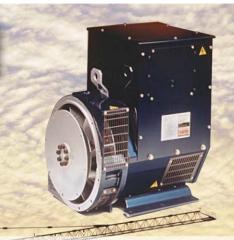
Excellent start performance
Fuel injector and pump were tested fully in various environments, which provide excellent start and running performance and air exhaust easily

# HYUNDAI DIESEL ENGINE

Model		DP180LA
Prime /Standby Power	Kw	502/552
Structure		10 cylinders
Fuel type		Diesel
Injection nozzle		Multi hole
Opening pressure	MPa	28
Governor		Electric
Cooling		Water cooled
Oil capacity	_L	Max 34
Air intake flow	m³/min	30.9
Exhaust gas flow	m³/min	96
Exhaust gas temperature	°C	540
Exhaust gas back pressure	KPa	5.9
Compression ratio		15:1
Aspiration		Turbo
Bore	mm	128
Stroke	mm	142
Displacement	L	18.273

# LEROY SOMER ALTERNATOR

Model **TAL-A473-D** Prime/Standby power kVA 550/605 Structure 1 bearing **Excitation mode** Self-excitation Insulation class H IP23 Protection class TIF <50 **THF** <2% Voltage regulation **AVR** 



### Best structure

Excellent design ensures compact structure and perfect appearance

### **Excellent performance**

Excitation enhanced system improves start and short circuit's protection performance

Less parts involved and the most market's demand lead to cheap price and fine quality

### Easy maintenance and repair

Core parts won't be involved in repair job, AVR can be replaced easily, examining diode doesn't disassemble



# Controller

# Deepsea DSE6120



The digital LCD controller, support engine and alternator monitoring, measurement and protection. This is long-running and back-up unit to integrate the best way to control. Support Modbus standard, modem, RS232, RS485, USB and internet. There are operation modes: Start/stop, test, auto/manual, emergency button and indication light.

# Control panel



Deepsea DSE6120

Phase to phase voltage Genset frequency Genset current 0 Mains Phase to neutral voltage Mains Phase to phase voltage 0 Mains frequency Engine oil pressure Engine water temperature Fuel level Battery voltage Genset power KVA Genset running time Genset output KWh History file Alarm, shutdown function Low oil pressure warning, shutdown High water temperature warning, shutdown Engine over and under speed warning shutdown Low fuel level warning, shutdown Battery low and high voltage warning Starting failure Genset low and high voltage warning, shutdown Alternator 3 phase voltage unbalance, shutdown Alternator low and high frequency warning, shutdown Genset over current warning shutdown Alternator 3 phase current unbalance shutdown Circuit breaker protection of short circuit and overload Overload reley protection Optional Remote start and stop RS232 card USB card RS485 card Multi language display 0 **GPRS** communication GPS communication

Measurement, displayment

Genset prime power Kw

Phase to neutral voltage

Power factor Engine speed DSE6120