

POWERED by HYUNDAI

Standby Power 186 KVA

3 Phase 1500 rpm

DHY180KSE

Diesel Generator



All Days | Safty | Reliable | Stability



TECHNICAL SPECIFICATION

DHY180KSE CANOPY TYPE

50Hz
Standby 186KVA

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	169/ 135.2
Standby Power	KVA/KW	186/ 148.8
Power Factor		0.8
Frequency	Hz	50
Rate Voltage	V	230/400
Control Voltage	DC/V	24
Controller	Deepsea DSE6120	
Coolant Capacity	L	14
Fuel Tank Capacity (Base frame)	L	380
Fuel Consumption (100% load)	L/H	35.4

Voltage

Steady regulation	%	$\leq \pm 1$
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Frequency

Steady regulation	%	$\leq \pm 1$
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Environment require

Temperature	°C	≤ 40
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Humidity	%	≤ 60
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Altitude	M	≤ 1000
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Standard ISO 9001:2015,
ISO 14001

Dimension | Weight | Sound



DHY180KSE CANOPY TYPE

Length (L)	mm	3600
Width (W)	mm	1080
Height (H)	mm	2150
Weight net	Kg	2400
Loading capacity (unit/container)		
Sound @7 meter	dB	75±5

Note

1. 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

HYUNDAI DIESEL ENGINE



Powerful engine and reliable running quality
Durable running performance and was proofed by vehicle's application

Compact structure
Compact structure and metal materials saving for low cost

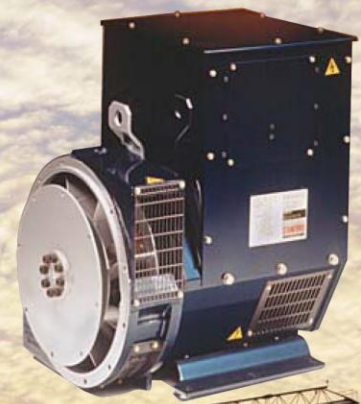
Low maintenance and repair cost
Air, fuel and oil tubes are silicone and stainless steel materials, which reduce leakage problems substantially and changeable.

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

Model		P08T1-1
Prime /Standby Power	Kw	149/164
Structure		6 cylinders
Fuel type		Diesel
Injection nozzle		Multi hole
Opening pressure	MPa	22
Governor		Electric
Cooling		Water cooled
Oil capacity	L	Max 15.5
Air intake flow	m ³ /min	14.18
Exhaust gas flow	m ³ /min	38.8
Exhaust gas temperature	°C	500
Exhaust gas back pressure	KPa	5.9
Compression ratio		16.4:1
Aspiration		Turbo
Bore	mm	111
Stroke	mm	139
Displacement	L	8.071

LEROY SOMER ALTERNATOR

Model		TAL-A44-K
Prime/Standby power	kVA	170/187
Structure		1 bearing
Excitation mode		Self-excitation
Insulation class		H
Protection class		IP23
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

Economy
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

CONTROL PANEL



Measurement, displayment DSE6120

Genset prime power Kw	●
Power factor	●
Engine speed	●
Phase to neutral voltage	●
Phase to phase voltage	●
Genset frequency	●
Genset current	●
Mains Phase to neutral voltage	○
Mains Phase to phase voltage	○
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 relay protection	●

Optional

Remote start and stop	●
RS232 card	×
USB card	●
RS485 card	○
Multi language display	○
GPRS communication	○
GPS communication	○

● standard ○ optional × none

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