

All Days | Safty | Reliable | Stability













TECHNICAL SPECIFICATION

DHY22KE OPEN TYPE / DHY22KSE CANOPY TYPE

50Hz Standby 22KVA

Benefits and Feature

- > Use best quality vehicle engine, low fuel consumption, running reliable
- > Use high quality and performance brushless alternator, with AVR
- > High quality controller of COMAP/ DEEPSEA
- > Block design electrical control system, easy operate and maintenance
- > Standard 8 hours generator running base frame fuel tank (100% load)
- > 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 68 dB)
- > Easy operation , IP23 protection industrial sockets and plugs
- > Four pole circuit breaker with RCD earth protection
- > Standard ATS function connector

Technical Specification		
Prime Power	KVA/ KW	20/16
Standby Power	KVA/ KW	22 / 17.6
Power Factor		0.8
Frequency	Hz	50
Rate Voltage	V	400/230
Rate Current	Α	31.76
Controller	СО	MAP/DEEPSEA
Control Voltage	DC/V	12
Battery Capacity	Ah	60
Coolant Capacity	L	5.2
Fuel Tank Capacity(Base frame)	L	133
Fuel Consumption	L/hour	5.57
Running Time	Hour	17

Voltage

Steady state regulation	%	≤ ± 0.5
Dynamic voltage renewal	%	≤+20~-15
Stable time	Sec	2.0
Waveform distortion		≤ 3
Volatility		≤0.5
Frequency		
Steady state regulation	%	≤ ± 1
Dynamic frequency renewal	%	≤+10~-7
Stable time	Sec	≤ 3
Volatility		≤0.5
Environment require		
Temperature	С	≤40
Humidity	%	≤60
Altitude	m	≤1000
Standard		

Dimension | Weight | Sound



DHY22KE OPEN TYPE

Length	mm	1950
Width (W)	mm	810
Height (H)	mm	1080
Weight net	Kg	650
loading capacity (units/contained	r)	
Sound @7 meter	dB	92



ISO3046, ISO8528, ISO9001-2008

DHY22KSE CANOPY TYPE

Length	mm	2188
Width (W)	mm	900
Height (H)	mm	1280
Weight net	Kg	782
loading capacity (units/container)		
Sound @7 meter	dB	68

Note

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



Powerful engine and reliable running quality Durable running performance and was proofedby 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

Excellent start performance

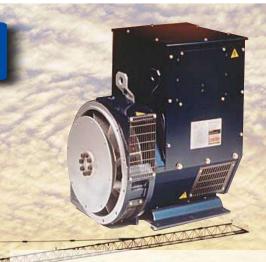
Fuel injector and pump were tested fully in Various environments, which provide excellent start and running performance

DIESEL ENGINE

Model		HY490
Prime power	Kw	21
Structure		4 cylinder,inline
Fuel type		Diesel
Fuel consumption	L/Hour	5.57
Lubricant consumption	L/Hour	0.032
Governor		Mechanical
Coolling		Water
Lubricant capacity	L	8
Air intake flow	m³/min	1.7
Exhaust gas flow	m³/min	4.6
Exhaust gas temperature	$^{\circ}$	450
Exhaust gas back pressure	KPa	6.7
Compression ratio	-	17
Aspiration		Natural
Bore	mm	90
Stroke		100
Displacement	L	2.54
SAE		4/7.5
Dimension	mm	$734 \times 530 \times 680$
Net weight	Kg	230

ALTERNATOR

Prime power kVA 23 Structure 1bearing Excitation mode Self-excitation Insulation class H Protection class IP23 TIF < <50
Excitation mode Self-excitation Insulation class H Protection class IP23
Insulation class H Protection class IP23
Protection class IP23
CISSIV ISSIV
TIF <50
THF <2%
Air flow m³/s 0.096
AVR Model SX460



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 rotor

CONTROL PANEL

Controller

Deepsea DSE6120



Support engine and alterantor monitoring, measurement and protection. This is long—running and back—up unit to integrate the best way to control, support Modbus standard, modem, RS485, USB and internet.

Deepsea DSE6120



DSE6110/20 MKIII AUTO START & AUTO MAINS (UTILITY) FAILURE CONTROL MODULES

Measurement, displayment 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 \bigcirc Mains Phase to phase voltage Mains frequency \bigcirc 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 shutdown Low fuel level warning, shutdown Battery low and high voltage warning Battery chargering failure Genset low and high voltage warning, shut down Alternator 3 phase voltage unbalance shut down Alternator low and high frequency warning, shut down Genset over load shutdown Alternator 3 phase current unbalance shutdown Mains low and high voltage warning Mains low and high frequency warning 0 Optional Remote start and stop RS232 card Χ USB card RS485 card 0 Multi language display **GPRS** communication GPS communication \bigcirc











