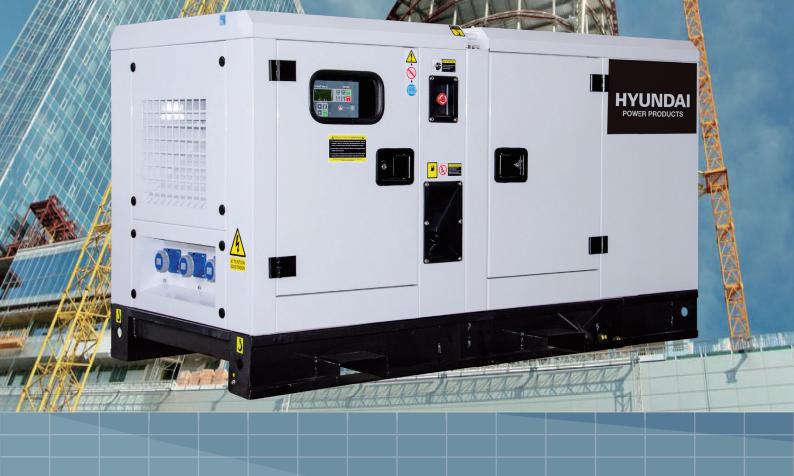


50Hz Standby 22KVA DHY22KE DHY22KSE Diesel Generator





All Days | Safty | Reliable | Stability



TECHNICAL SPECIFICATION

DHY22KE OPEN TYPE / DHY22KSE CANOPY TYPE

Benefits and Feature

- > Use Chinese best quality vehicle engine, low fuel consumption, running reliable
- > HYUNDAI high quality and performance brushless alternator , with AVR
- > High quality controller of COMAP iL–NT MRS10
- > 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 70 dB)
- > Easy operation , IP66 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 / 18
Power Factor		0.8
Frequency	Hz	50
Rate Voltage	V	400/230
Rate Current	А	28.9
Controller		MRS10
Control Voltage	DC/V	12
Battery Capacity	Ah	60
Coolant Capacity	L	10.2
Fuel Tank Capacity(Base frame)	L	77.5
Fuel Consumption	L / hour	6.2
Running Time	Hour	12.5

Voltage

, on ago		
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		

ISO3046、ISO8528

Dimension | Weight | Sound



Length	mm	1510
Width (W)	mm	900
Height (H)	mm	980
Weight net	Kg	505
loading capacity (units/container)		
Sound @7 meter	dB	



DHY22KSE CANOPY TYPE

Length	mm	1900
Width (W)	mm	900
Height (H)	mm	1100
Weight net	Kg	786
loading capacity (units/container)		
Sound @7 meter	dB	

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 of the responsiveness ability, and all protections

50Hz Standby 22KVA

DIESEL ENGINE

Model		HY490
Prime power	Kw	22
Structure		4 cylinder,inline
Fuel type		Diesel
Fuel consumption	L/Hour	6.2
Lubricant consumption	L/Hour	0.0315
Governor		Mechanical
Coolling	-	Water
Lubricant capacity	L	6
Air intake flow	m ³ /min	2.3
Exhaust gas flow	m³/min	6.5
Exhaust gas temperature	℃	400
Exhaust gas back pressure	KPa	5
Compression ratio	1	17.5
Aspiration		Natural
Bore	mm	90
Stroke		100
Displacement	L	2.5
SAE		4/7.5
Dimension	mm	$760 \times 543 \times 680$
Net weight	Kg	230

Powerful engine and reliable running quality Durable running performace 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 problems substantially reduce leakage

Excellent start perfomance

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

ALTERNATOR

Model		184ES
Prime power	kVA	20
Structure		1 bearing
Excitation mode		Self-excitation
Insulation class	advise a set	Н
Protection class		IP23
TIF	En	<50
THE	" WE	<2%
Air flow	m³/s	0.095
AVR Model		SX460



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 rotor.

CONTROL PANEL

Controller





Support engine and alterantor monitoring, measurement and protection. This is long–running and back–up unit to integrate the best way to control_o support Modbus standard, modem, RS232 RS485 USB and internet_o

Control panel

InteliLite" will to Conte Intell Intellite Intellite Intellite	-Comap MRS10
	ATS connector
	-24 pin Heavy duty connector
	 Emergency stop button
	-Power switch
	-1x3 phase circuit breaker
	3xsingle phase circuit breaker
	-Wire connect terminal U.V.W.N.PE
(9)	
	-Single phase socket

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ľ		T
	Measurement, displayment MRS	10
	Genset prime power Kw	•
	Power factor	٠
	engine speed	•
A COMPANY	Phase to neutral voltage	٠
	Phase to phase voltage	•
	Genset frequency	٠
11	Genset current	•
Village of	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 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	
	Alternator3 phase current unbalance shutdown	•
	Mains low and high voltage warning	×
	Mains low and high frequency warning Optional	×
	Remote start and stop RS232 card	0
	USB card	0
	RS485 card	0
	Multi language display	0
	GPRS communication	0
	GPS communication	×
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> IC−NT □ synchronizing controller

]1000 hours genset spare parts