HYUNDAI
POWER EQUIPMENT

HYUNDAI ENGINE

Standby Power 125KVA

3 Phase 1500 rpm

DHY125KE
DHY125KSE

Diesel Generator



All Days I Safty I Reliable I Stability

TECHNICAL SPECIFICATION

DHY125KE OPEN TYPE / DHY125KSE CANOPY TYPE

50Hz
Standby 125KVA

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
> 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	112.5 / 90
Standby Power	KVA/ KW	125 / 100
Power Factor		0.8
Frequency	Hz	50
Rate Voltage	V	400/230
Rate Current	A	180.4
Controller		COMAP AMF20
Control Voltage	DC / V	DC24
Battery Capacity	Ah	60x2
Coolant Capacity	L	28
Fuel Tank Capacity(Base frame)	L	280
Fuel Consumption	L/hour	27.6
Running Time	Hour	10.2

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	C	≤40
Humidity	%	≤60
Altitude	m	≤1000

Standard

ISO3046、ISO8528、 ISO9001−2008

Dimension | Weight | Sound



DHY125KE OPEN TYPE

Length	mm	2395
Width (W)	mm	1050
Height (H)	mm	1500
Weight net	Kg	1455
loading capacity (units/container)		
Sound @7 meter	dB	92



DHY125KSE CANOPY TYPE

Length	mm	2930
Width (W)	mm	1100
Height (H)	mm	2000
Weight net	Kg	1930
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 of the responsiveness ability，and all protections

DIESEL ENGINE



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

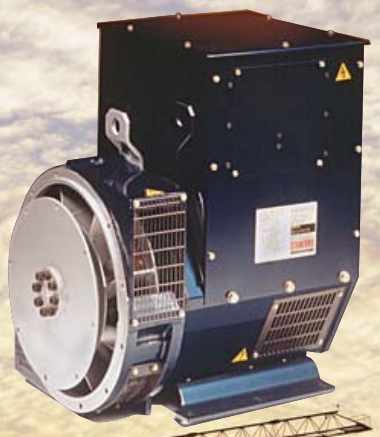
Low maintenance and repair cost
Air,fuel and oil tubes are silicone and stainless steel materials, which reduce leakage problems substantially

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

Model		H4A155ZD31
Prime power	Kw	103
Structure		4 cylinder,inline
Fuel type		Diesel
Fuel consumption	L/Hour	27.6
Lubricant consumption	L/Hour	0.1
Governor		Electrical
Coolling		Water
Lubricant capacity	L	13
Air intake flow	m^3/min	8.1
Exhaust gas flow	m^3/min	9.8
Exhaust gas temperature	℃	620
Exhaust gas back pressure	KPa	10
Compression ratio		16.7
Aspiration	Turbo chargering intercooled	
Bore	mm	108
Stroke		115
Displacement	L	4.214
SAE		2/11.5
Dimension	mm	1350 × 785 × 1130
Net weight	Kg	700

ALTERNATOR

Model		274G90
Prime power	kVA	113
Structure		1 bearing
Excitation mode		Self–excitation
Insulation class		H
Protection class		IP23
TIF		<50
THF		<2%
Air flow	m^3/s	0.514
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

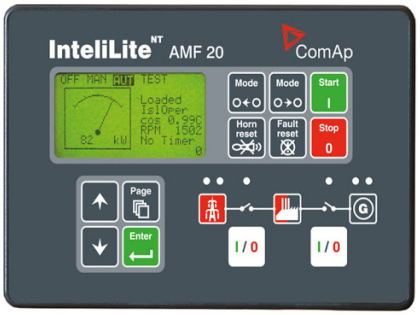
Economy
Less parts involved and the most market's demand lead to cheap price and fine quality

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 Comap AMF20



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。

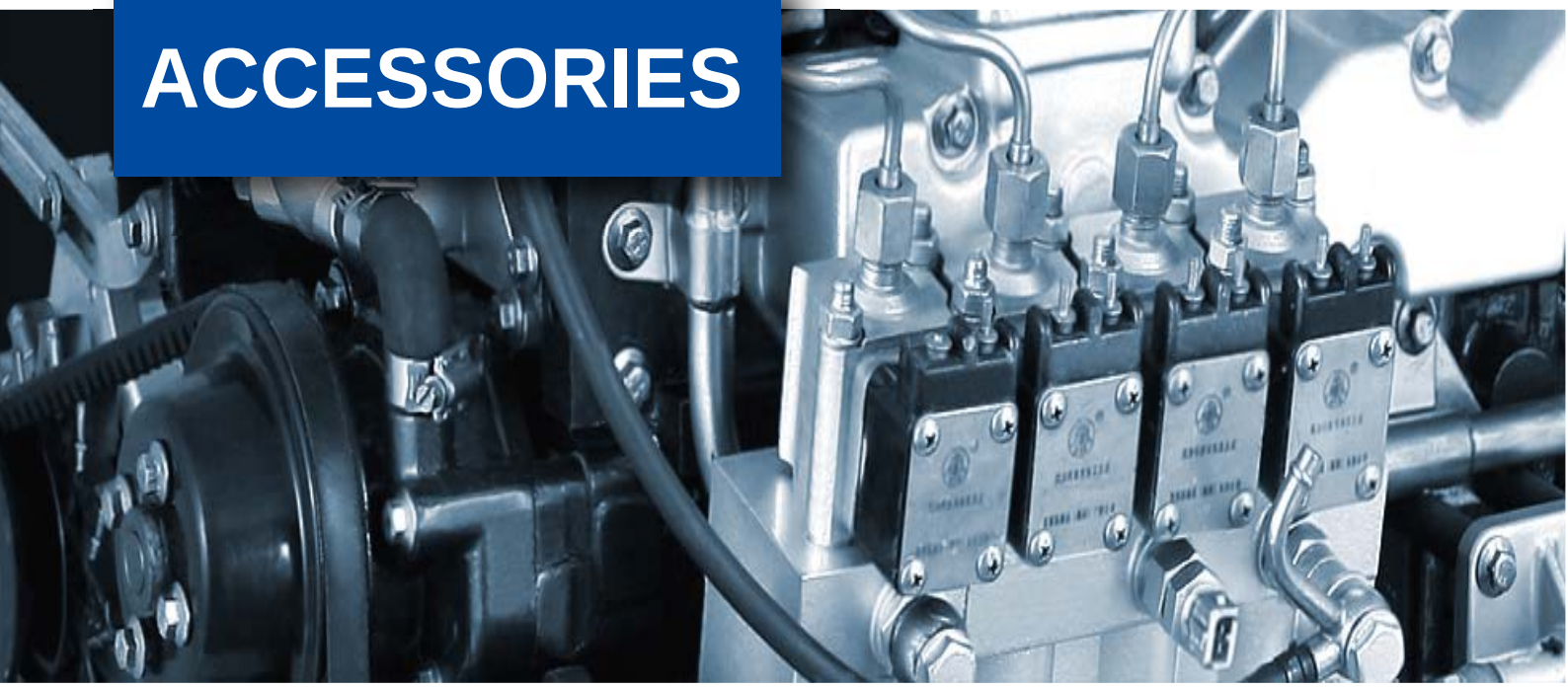
Control panel



Measurement, displayment	AMF20
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 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	x
USB card	●
RS485 card	○
Multi language display	○
GPRS communication	○
GPS communication	○

●standard ○optional × None

ACCESSORIES



Exhaust system





☐ Residential muffler ☐ Exhaust gas pipe

preheating system







☐Water preheater ☐Oil preheater ☐alterantor Anti–condensation heater

Fuel system













☐Auto filling fuel pump ☐Manual filling fuel pump ☐500L base frame fuel tank ☐1000L base frame fuel tank ☐500LExternal fuel tank ☐1000LExternal fuel tank

electrical system







☐AMF20 controller ☐ IC–NT synchronizing controller ☐wireless remote starter

Maintenance spare parts



☐500 hours genset spare parts ☐1000 hours genset spare parts