

# HYUNDAI

POWER EQUIPMENT

## HYUNDAI ENGINE

Standby Power 192.5 KVA

3 Phase 1500 rpm

### DHY190KE

### DHY190KSE

### Diesel Generator



**All Days | Safty | Reliable | Stability**



# TECHNICAL SPECIFICATION

DHY190KE OPEN TYPE / DHY190KSE CANOPY TYPE

50Hz

## Benefits and Feature

- > Use HYUNDAI engine, low fuel consumption, running reliable
- > HYUNDAI high quality and performance brushless alternator, with AVR
- > High quality controller of COMAP IntelliLite 9
- > 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	175/140
Standby Power	KVA / KW	192.5/154
Power Factor		0.8
Frequency	Hz	50
Rate Voltage	V	400/230
Rate Current	A	252.6
Controller	COMAP IntelliLite 9	
Control Voltage	DC / V	DC24V
Battery Capacity	Ah	80x2
Coolant Capacity	L	35
Fuel Tank Capacity(Base frame)	L	375
Fuel Consumption	L / hour	39.3
Running Time	Hour	9.54

## 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



### DHY190KE OPEN TYPE

Length ( L )	mm	2550
Width ( W )	mm	1150
Height ( H )	mm	1515
Weight net	Kg	1825
loading capacity (units/container)		
Sound @7 meter	dB	92



### DHY200KSE Canopy Type

Length ( L )	mm	3400
Width ( W )	mm	1150
Height ( H )	mm	1920
Weight net	Kg	2450
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



**1,Advanced design and precise manufacturing ensure low fuel consumption.**

**2,Strong power and perfect low speed performance.**

**3,Excellent start performance,Reliable running quality,less spare parts involved provides easy maintenance and repair job.**

**4,Fuel injector and pump were tested fully in Various environments,which provide excellent**

Model	HY6A230YD	
Prime power	Kw	155
Structure	6 cylinder,inline	
Fuel type	Diesel	
Fuel consumption	L/Hour	39.3
Lubricant consumption	L/Hour	0.2
Governor	Electrical	
Cooling	Water	
Lubricant capacity	L	21
Air intake flow	m <sup>3</sup> /min	10.3
Exhaust gas flow	m <sup>3</sup> /min	26.2
Exhaust gas temperature	°C	510
Exhaust gas back pressure	KPa	10
Compression ratio	17.5:1	
Aspiration	Turbo charging intercooled	
Bore	mm	108
Stroke	132	
Displacement	L	7.26
SAE	2/11.5	
Dimension	mm	1380 × 800 × 1120
Net weight	Kg	725

# ALTERNATOR

Model	274G	
Prime power	kVA	180
Structure	1 Bearing	
Excitation mode	Self-excitation	
Insulation class	H	
Protection class	IP23	
TIF	<50	
THF	<2%	
Air flow	m <sup>3</sup> /s	0.514
AVR Model	AS440	



### 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 IntelliLite 9



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.

## Control panel



Comap IntelliLite 9

ATS connector

24 pin Heavy duty connector



3 phase socket

### Measurement, displayment IntelliLite 9

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 charging 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	●

### Optional

Remote start and stop	●
RS232 card	○
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

alternator Anti-condensation heater

## Fuel system



Auto filling fuel pump

Manual filling fuel pump

500L base frame fuel tank

1000L base frame fuel tank

500L External fuel tank

1000L External 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