



POWERED BY HYUNDAI

Standby Power 16.5KVA

3 Phase 1500 rpm

BMG16.5HD

Diesel Generator



All Days | Safty | Reliable | Stability



TECHNICAL SPECIFICATION

BMG16.5HD CANOPY TYPE

50Hz
Standby 16.5KVA

Benefits and Feature

- Use HYUNDAI best quality vehicle, low fuel consumption, running reliable
- HYUNDAI high quality and performance brushless alternator, with AVR
- High quality controller of Datakom D300
- 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
- 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	15 / 12
Standby Power	KVA/KW	16.5 / 13.2
Power Factor		0.8
Frequency	Hz	50
Rate Voltage	V	400/230
Rate Current	A	23.8
Controller		Datakom D300
Control Voltage	DC/V	12
Battery Capacity	Ah	80
Coolant Capacity	L	5.2
Fuel Tank Capacity (Base frame)	L	100
Fuel Consumption	L/Hour	3.95
Running Time	Hour	24

Voltage

Steady state regulation	%	≤ ± 0.5
Dynamic voltage renewal	%	≤ +20 ~ -15
Stable time	Sec	2.0
Wave form 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

Dimension | Weight | Sound



OPEN TYPE

Length (L)	mm
Width (W)	mm
Height (H)	mm
Weight net	Kg
Loading capacity (unit/container)	
Sound @7 meter	dB



BMG16.5HD

CANOPY TYPE

Length (L)	Mm	2000
Width (W)	mm	900
Height (H)	mm	1350
Weight net	Kg	400
Loading capacity (unit/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 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

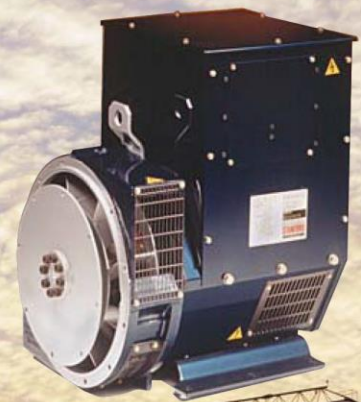
Low maintenance and repair cost
Air, fuel and oil tubes are silicone and stainless steel materials, which reduce leakage problems substantially

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

Model	D4BB AG41	
Prime Power	KW	19
Structure	4 cylinders, inline	
Fuel type	Diesel	
Fuel consumption	g/ps.h	185
Governor	Mechanical	
Cooling	Water	
Lubricant capacity	L	5.4
Air intake flow	m ³ /min	1.9
Exhaust gas flow	m ³ /min	5.4
Exhaust gas temperature	°C	550
Exhaust gas back pressure	KPa	5
Compression ratio	22:1	
Aspiration	Turbo & intercooling	
Bore	mm	91.1
Stroke	mm	100
Displacement	L	2.607
Dimension	mm	883x631 x806
Net weight	Kg	210

ALTERNATOR

Model	TAL-A40D	
Prime power	kVA	15
Structure	1 bearing	
Excitation mode	SHUNT	
Insulation class	H	
Protection class	IP23	
TIF	<50	
THF	<2%	
Air flow	m ³ /s	0.08
AVR mode	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

CONTROL PANEL



Measurement, displayment Datakom D300

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, shutdown	●
Alternator 3 phase voltage unbalance, shutdown	●
Alternator low and high frequency warning, shutdown	●
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

Controller

Datakom D300



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

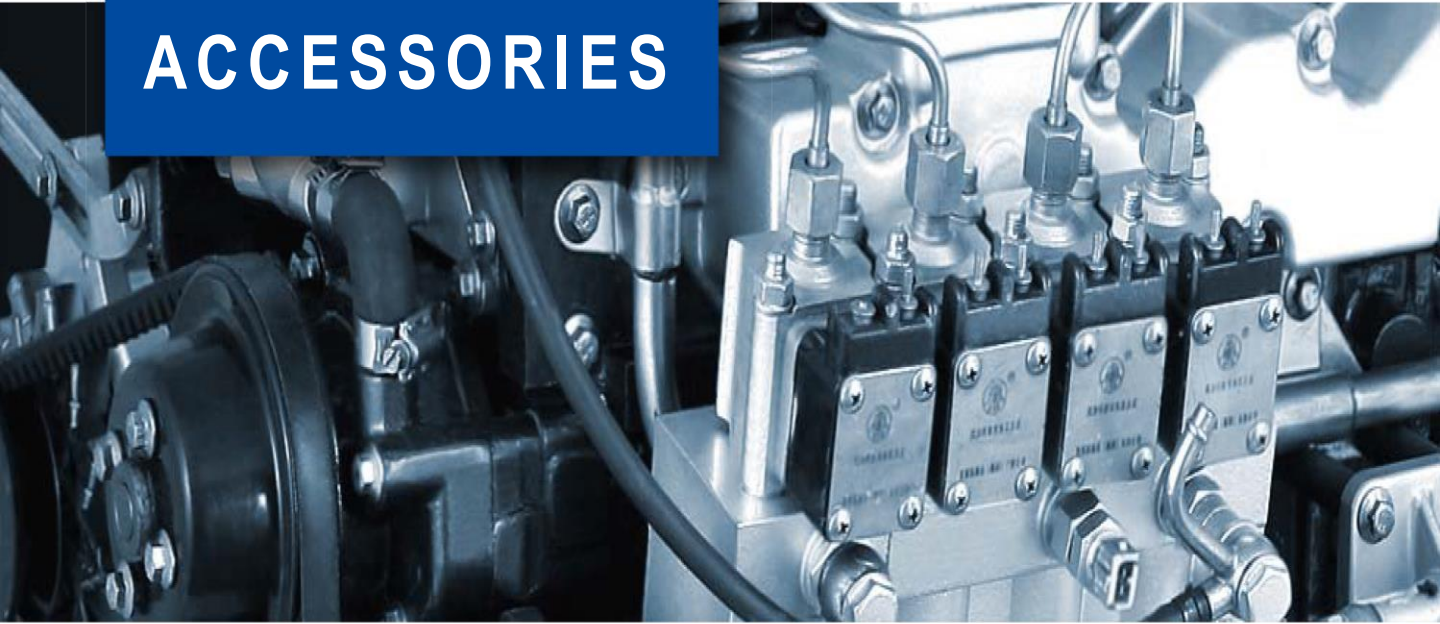


Datakom D300

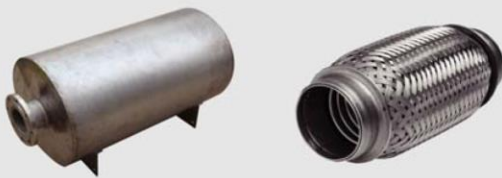


3 phase socket

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



Control panel

IC-NT
synchronizing
controller

Wireless remote starter

Maintenance spare parts



500 hours genset spare parts

1000 hours genset spare parts