TECHNICAL DATA

MODEL: KP-DS750

DIESEL GENERATING SET

KPS POWER VIET NAM

50HZ

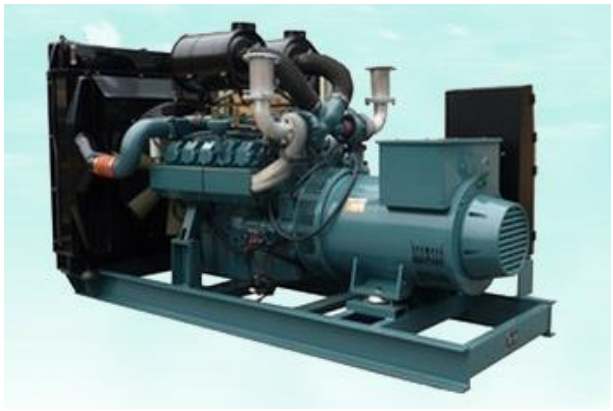
KP-DS Series

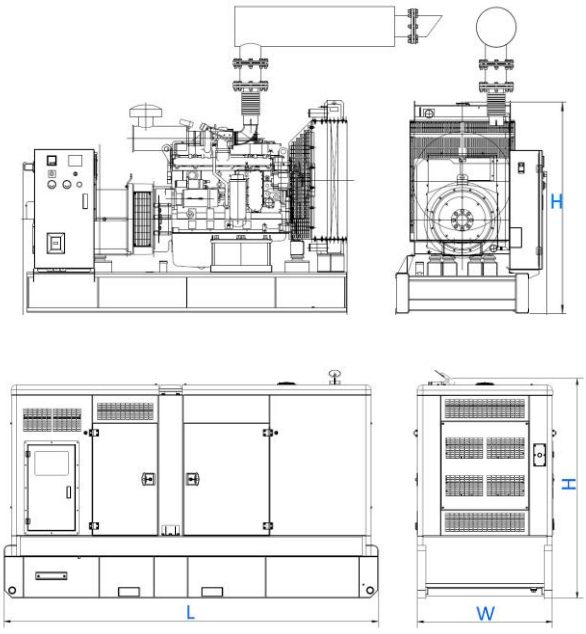
KP-DS750-SR / KP-DS750-OE

Features

- Compact structure high-strength chassis
- Easy operation and maintenance, Low cost
- Good performance damping system
- Compliance with international electrical safety standards of electrical system
- High-performance maintenance-free batteries with isolation switch
- 50℃ radiator
- Top lifting, Forklift bottom hole design, easy to transport
- Industrial type muffler
- Noise reduction structure，Low overall noise
- Convenient power output interface and ATS Interface
- IP56 (control system)
- The personalized design for user
- Structure type genset Optional: Open (KP-DS750-OE)
  Sound-proof（KP-DS750-SR）

Reference images, the actual shall prevail





Dimension and Weight		
Generating set model	KP-DS750-OE	KP-DS750-SR
Length(L) (mm)	3800	4600
Width(W) (mm)	1388	2622
Height(H) (mm)	2115	2615
Dry weight (k g)	5000	6000
Tank capacity (L)		

Genset Technical Data	
Output frequency	50 HZ
Rated speed	1500 rpm
Prime power	750KVA
Standby power	825KVA
Rated voltage	400 V
Phase	3
Noise dB(A) @7m	80
Engine model	DP222LC
Alternator model	KP750B
Fuel consumption of 100% load	161 Litres/h
Fuel consumption of 110% load	177 Litres/h
Voltage regulation rate	≤±1%
Random voltage variation	≤±1%
Frequency regulation rate	≤±5%
Random frequency variation	≤±0.5%

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Engine Specifications	
Engine model	DP222LCF
Engine manufacturer	DOOSAN
Number of cylinders	12
Cylinder arrangement	V Type
Cycle	Four stroke
Aspiration	Turbocharged & Intercooled(air to air)
Bore x Stroke (mm x mm)	128 x 142
Displacement (Liter)	21.927
Compression Ratio	15:1
Prime power/speed (kW/RPM)	657 KW / 1500rpm
Standby power/speed (kW/RPM)	723 KW / 1500rpm
Speed governor	Electrical
Cooling system	Forced Water Cooling Cycle
Steady speed droop (%)	≤1%
Total lubrication system capacity (L)	40L
Coolant capacity (L)	23L
Fuel consumption at 100% load (g/kWh)	196g/kwh
Starter motor	DC24V
Alternator	DC24V
Alternator Specifications	
Rated frequency	50 Hz
Rated speed	1500 rpm
Alternator model	KP750B
Rated output prime power	750KVA
Efficiency (%)	96%
Phase	3
Rated voltage	400 V
Exciter type	Self excited, Brushless
Power factor	0.8
Voltage adjust range	≥5.0%
Voltage regulation NL-FL	≤±1.0%
Insulation grade	H
Protection grade	IP23
Xd DIR. AXIS SYNCHRONOUS	1.50
X'd DIR. AXIS TRANSIENT	0.15
X''d DIR. AXIS SUBTRANSIENT	0.10
Xq QUAD. AXIS REACTANCE	0.72
X''q QUAD. AXIS SUBTRANSIENT	0.16
Optional	
Optional Alternator brand			
Optional Alternator model			
Exciter type			
Rated output prime power			

Control System

NSM-160-3110 (Standard)

All KPS Gensets have a control cabinet (the Deepsea control module DSE3110 as standard) mounted on isolated support.

Main Features

- Manual and automatic mode
- Parameter configuration via USB interface
- Remote control automatic start/shutdown
- Optional ECU control
- Optional CAN engines
- Optional speed sensor access
- Operating temperature: -30℃to 70℃
- IP56 Rating
- Back-lit icon LCD display
- Power Save mode
- CAN and Magnetic Pick-up/Alt. versions available (specify on ordering)
- PC configurable
- 6 Digital inputs
- 4 Outputs (2 configurable on Magnetic Pick up/Alt., 4 configurable on CAN version)

The control module display

- Generator voltage
- Generator frequency
- Battery voltage
- Engine speed
- Load current(Panel Meter)
- Engine run-time Hours
- Engine oil pressure (Panel Meter)
- Engine coolant temperature (Panel Meter)

Protecting Functions

- Over frequency / under frequency
- Over voltage / under voltage
- Over speed /under speed
- Over current
- Emergency stop
- Low oil pressure
- High water temperature
- Failure to start/Failure to stop
- Battery charger failure
- Comprehensive shutdown or warning on fault condition

Control System

NSM-160-7320 (Optional)

NSM-30-7320 is an advanced control module based on micro-processor, It is an Auto Mains (Utility) Failure Control Module(AMF), have been designed to start and stop generating sets that include electronic And non-electronic engines. Include the additional capability of being able to monitor a mains (utility) supply. when main is not available，It can automatically start the engine and close generating sets breaker automatically, Accurately measure various operational parameters and display all values and alarms information on the LCD. In additional, it can automatically open breaker, and shutdown the engine after the main supply recovers.

Main Features

- AMF and ATS and communication and expansion function
- Designed to work with electronic or non-electronic or gas engine simultaneously. (support many kinds of engines ECU).
- Manual, Automatic, Test and remote control mode selectable.
- Monitoring and measuring operational parameters of the mains supply and genset.
- Indicating operation status, fault conditions, all parameters and alarms
- Multiple protections and multiple parameters display.
- Includes 12 inputs and 8 outputs. 8 inputs are configurable and 6 outputs are configurable.
- Can be programmed using the front panel or by using the PC software.
- Support twelve languages. The language was edited by customer.
- Graded protection: pre-alarm, shutdown and electrical trip, flexible setting.
- The module can be pre-set for four operating modes and protecting parameters.
- Add DSE890 module, internet network monitoring can be realized.
- The firmware can be updated automatically, so customer can have the latest version.

The control module display

- Generator voltage
- Generator frequency
- Battery voltage
- Engine speed
- Load current
- Generator KVA, KW, PF
- Engine run-time Hours
- Engine oil pressure
- Engine coolant temperature
- Real time clock for time and date, overall runtime

Optional

Engine
- Water Jacket Preheater
- Fuel-water separator
- Oil pump
- Oil preheater
- Battery preheater

Alternator
- PMG excitation
- Space heater
- Winding Temperature Measuring

Generator Set
- Tools with the machine
- Coolant (-30°C)

Control System
- AMF function
- ATS control cabinet
- Double-frequency and double voltage
- Single phase
- ABB MCCB

Fuel System
- 12 / 24 hour base tank (single wall)
- Dual wall base fuel tank
- Outside fuel tank
- Automatic fuel feeding
- Fuel level indicate

Canopy
- Hired type
- Economy Oil heater
- Trailer

Contact Us

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KPS reserves the right to make changes in model, technical specification, color, configuration and accessories without prior notice. Please contact the salesman before ordering.

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