DMH POWER GENERATOR

D500-E5 | 500 kVA STANDBY / 450 kVA PRIME

HD HYUNDAI ENGINE **STAMFORD ALTERNATOR** **DEEP SEA CONTROLLER**

PRODUCT CONFIGURATION | D500-E5 | 400/230 V

Representative enclosure illustration; final enclosure varies by configuration.

SYSTEM OVERVIEW

A balanced power package

The D500-E5 combines an HD Hyundai DP158LC engine, Stamford S4L1D-G4 alternator and Deep Sea DSE7320 controller in an integrated 50 Hz power package.

500 kVA	450 kVA	400/230 V	0.8
Standby rating	Prime rating	3-phase output	Power factor

HD HYUNDAI ENGINE

DP158LC

Water-cooled diesel engine.
1,500 rpm / 50 Hz.
Radiator and engine-driven fan.

STAMFORD ALTERNATOR

S4L1D-G4

SOURCE MATCH
Selected from the Doosan reference or official Stamford ratings.

DEEP SEA CONTROL

DSE7320

Digital control and monitoring.
Final functions and wiring follow the approved order.

APPLICATION VALUE

Integrated package

Coordinated engine, alternator and control.

Service support

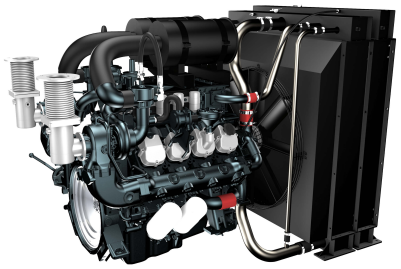
Recognizable component brands.

Installation flexibility

Soundproof enclosure configuration.

Project configuration

Final scope follows approved drawings.



Official HD Hyundai DP158LC engine image

POWERED BY HD HYUNDAI

DP158LC DIESEL ENGINE

01 V8 / 14.6 L

02 1,500 rpm / 50 Hz operation

03 Water-cooled diesel engine

04 Turbo Charger & Inter Cooler

Technical specification

GENERATOR SET - SOURCE RATINGS

Generator set model	D500-E5 - soundproof type
Standby output	500 kVA / 400 kW
Prime output	450 kVA / 360 kW
Voltage / frequency	400/230 V, 50 Hz, 3-phase
Power factor	0.8
Calculated prime current	Approx. 650 A at 400 V, 3-phase
Circuit breaker	Included in source scope; rating to be confirmed
Enclosure / fuel tank	Soundproof type; final dimensions, weight and tank capacity to be confirmed

HD HYUNDAI ENGINE & STAMFORD ALTERNATOR

Engine model	DP158LC
Rated speed / cooling	1,500 rpm / water-cooled
Stamford model	S4L1D-G4
Selection status	SOURCE MATCH
Electrical specification	50 Hz, 0.8 PF, Class H, IP23; final winding and AVR to be approved
Engine configuration	V8 / 14.6 L / bore x stroke 128 x 142 mm
Engine mechanical output	50 Hz: standby 449 @ 1,500; prime 408 @ 1,500 (kWm @ rpm)

DEEP SEA CONTROL

Controller	DSE7320 (as quoted)
Final configuration	Controller revision, protections, communications and transfer control to be confirmed on approved drawings

Supply scope & project confirmation

STANDARD PACKAGE

HD Hyundai DP158LC engine; Stamford S4L1D-G4 alternator; Deep Sea DSE7320 control; radiator and fan; anti-vibration mounts and base frame; starting battery system; silencer and flexible connections; manuals and factory test documentation. Final inclusions follow the DMH order.

ALTERNATOR SELECTION RECORD

Stamford model	S4L1D-G4 / SOURCE MATCH
Source alternator	S4L1D-G4
Selection basis	AGG Doosan price list dated 6 Jun 2022: D500D5, 500 kVA standby / 450 kVA prime, DP158LC engine and Stamford S4L1D-G4.

TO BE CONFIRMED BEFORE PRODUCTION

Electrical configuration	Voltage, winding, AVR, ambient temperature and derating.
Mechanical configuration	Coupling, canopy, dimensions, weight, tank and acoustic performance.
DMH nameplate	D500-E5 - soundproof type; final build configuration to be approved.

RATING BASIS / DOCUMENT NOTE
Generator electrical ratings and Stamford pairing follow the AGG Doosan price list. Engine data and illustration follow the cited manufacturer reference. Final coupling and site derating require supplier confirmation. Illustrations are representative.
Warranty: 1 year or 1,000 hours, whichever occurs first, subject to the final contract.

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Technical source: AGG Doosan price list, 6 Jun 2022. Engine reference: HD Hyundai official DP158LC product page.