HF-25GFD6-P

25 kW | Emergency standby | 60 Hz

Perkins 404D-22TG + Stamford S0L2-P

Electrical output	**25 kWe / 31.25 kVA**
Rating	**Emergency standby; PF 0.8**
Frequency / engine speed	**60 Hz / 1,800 rpm**
Voltage / phase	**208Y/120, 240 delta, 480Y/277, 600Y/347 V; three-phase**
Enclosure	**Sound-attenuated / weatherproof configuration**
Controller	**Deep Sea; build-specific controller selection**



Representative range image; actual enclosure and layout vary by model.

ENGINE & APPLICATION DATA

Engine	**Perkins 404D-22TG**
Fuel / ignition	**Diesel / compression ignition**
Cooling	**Liquid cooled**
Engine displacement	**2.216 L**
Reference standby electrical output	**29 kWe at 1,800 rpm**
Cylinders	**4**
Emissions identification in source record	**U.S. EPA Tier 4 Interim**
Output selection check	**OEM typical standby electrical output 29 kWe exceeds or equals the 25 kWe package rating.**

Selection evidence

Manufacturer engine rating and Stamford standby thermal selection checked for 60 Hz; catalogue specification, not a measured factory acceptance test.

Final site derating, motor-starting/load-step assessment, cooling arrangement and exact supplied engine certificate remain order-specific.

The source-record emissions designation identifies a reference engine version. It is not a certificate for this complete generator. Match the supplied engine family, model year and intended application to its certificate.

The standard complete generator is not UL 2200 certified. Component approvals do not establish whole-set certification.

STAMFORD VOLTAGE CONFIGURATIONS

60 Hz / four-pole / PF 0.8

208Y/120 V three-phase

Alternator	**S0L2-P**
Book standby capability	**27.1 kW, 150°C rise / 40°C inlet**
Winding / connection	**311/312/12 / parallel star**
Calculated full-load current	**86.7 A**
Ratings book page	**49**

240 V delta three-phase

Alternator	**S0L2-P**
Book standby capability	**27.1 kW, 150°C rise / 40°C inlet**
Winding / connection	**311/312/12 / delta**
Calculated full-load current	**75.2 A**
Ratings book page	**49**

480Y/277 V three-phase

Alternator	**S0L2-P**
Book standby capability	**30.7 kW, 150°C rise / 40°C inlet**
Winding / connection	**311/312/12 / star**
Calculated full-load current	**37.6 A**
Ratings book page	**57**

600Y/347 V three-phase

Alternator	**S0L2-P**
Book standby capability	**31.5 kW, 150°C rise / 40°C inlet**
Winding / connection	**07/17 / star**
Calculated full-load current	**30.1 A**
Ratings book page	**60**

Thermal selection is not a motor-starting or transient-performance guarantee. Exact winding, coupling, cooling and load-step performance remain configuration-specific. Currents are calculated, not breaker recommendations.

SUPPORTING DOCUMENTS & APPLICATION

Engine reference

https://engines.haifengmachinery.com/engines/perkins-404d-22tg

Stamford Industrial Ratings Book Edition 9

https://www.stamford-avk.com/sites/stamfordavk/files/2026-02/STAMFORD-Industrial-Ratings-Book-Edition-9.pdf

Installation and order-specific checks

Final site derating, motor-starting/load-step assessment, cooling arrangement and exact supplied engine certificate remain order-specific.

Final package dimensions, weight, tank capacity, sound level and consumption curves require the selected package record. No measured performance or customer project result is claimed in this review sheet.

Haifeng Machinery | sales@haifengmachinery.com | WhatsApp +1 416 317 9500