# ALPHA MARINE GENERATOR

*7.5kVA*

*6kW- 1500RPM*

Model–AM-7.5

| ENGINE : | | | |
|---|---|---|---|
| ENGINE MAKE: | AME | BORE X STROKE | 91 X 110 |
| ENGINE MODEL : | AM-7.5 | GROSS POWER | 10.2kW |
| WORKING PRINCIPLE: | 4 STROKE | COMPRESSION RATIO: | 17.5:1 ± 5% |
| ENGINE RPM | 1500 | INJECTION SYSTEM: | Inline, BOSCH |
| NUMBER OF CYLINDERS | 2 | INTAKE SYSTEM: | NATURALLY ASPIRATED |
| TOTAL DISPLACEMENT: | 1430 C.C | BMEP: | 7.38 |
| OIL TYPE: | API CI4 15W40 | OIL SUMP CAPACITY: | 5 Ltrs |
| FLYWHEEL HOUSING : | SAE 3/10 | BSFC (g/kW-hr): | 228 |
| FUEL TYPE : | DIESEL | GOVERNOR TYPE: | MECHANICAL |
| CONFIGURATION | INLINE | GOVERNOR CLASS: | A1 |
| INTAKE AIR PRESSURE | 0.4 kpa | FIRING ORDER | 1 - 2 |

| ELECTRICAL SYSTEM : | | | |
|---|---|---|---|
| BATTERY VOLTAGE: | 12 V | STOP SOLENOID TYPE: | ETS |
| STARTER MOTOR (kW) | 1 | EXHAUST BACK PRESS. | 4 kpa |

| ALTERNATOR DETAILS : | | | |
|---|---|---|---|
| BRAND: | STAMFORD | POWER FACTOR: | 0.8 |
| MODEL: | S0L1D1 | EXCITATION SYSTEM: | SELF EXCTED |
| CURRENT: | 11 Amps | PHASE : | 3 |
| VOLTAGE REGULATION: | ± 1% | NUMBER OF POLES: | 4 |
| INSULATION TYPE: | H CLASS | ALTERNATOR TYPE: | BRUSHLESS |
| FREQUENCY | 50Hz | AVR TYPE | AS540 |
| IP PROTECTION: | IP 23 | VOLTAGE STAR | 415/240 |

| DIMENSIONS : | |
|---|---|
| DG WITH ACCOUSTIC | 1175MM (L) x 850mm (W) x 1040mm (H) |



## CONTROLLER:

-> Intuitive operator interface which includes LED backlit LCD display with tactile feel soft-switches & generator set status LED lamps
-> Digital AVR for shunt or PMG excitation with torque matching.
-> Digital electronic governing with temperature compensation and smart starting.
-> SAE J1939 interface to Full Authority Electronic (FAE) engines.

Remote start-stop
-> Engine metering: Oil pressure, Coolant temperature, Battery voltage, Engine speed
-> AC Alternator metering: L-L Voltage and L-N Voltage, Current (1 and 3 phase),
-> Volt-Amperes (phase and total) and Frequency.
-> Engine protection: Low lube oil pressure, High/Low coolant temperature, Over speed, Battery Over/Under/Weak Volts, Fail to crank/start, Sensor failure.
-> AC Alternator protection: Over/Under voltage, Over/Under frequency, Over current, Short circuit and Loss of AC sensing.
-> Data logging: Engine hours, Control hours, Engine starts and upto 10 recent fault codes
-> Configurable glow plug control
-> Configurable cycle cranking
-> 12 and 24 Volt DC operation
-> Sleep mode
-> Programmable I/O (4 inputs and 2 outputs), expandable with AUX101/102 modules
-> Modbus interface (RS485 RTU)
-> InPower compatible (PC based service tool)
-> Certifications - meets the requirement of relevant UL, NFPA, ISO, IEC, Mil Std., CE and CSA standards




