



## MG-BDS-0050/6

BAUDOUIN Series Diesel Generator Sets

|          |     |    |
|----------|-----|----|
| Stand by | kVA | 50 |
|          | kW  | 40 |

|       |     |    |
|-------|-----|----|
| PRIME | kVA | 46 |
|       | kW  | 37 |



BAUDOUIN



STAMFORD



Smart 500 mk



Water Cooled



60 hz



3 phase



Easy maintenance



Modular type sound-proof canopy



Diesel



Remote control system



Warning system for decreasing fuel



## Engine Specifications

- BAUDOUIN series heavy duty diesel engine
- 4 Cycle, Water Cooling system, TURBOCHARGED Induction
- Electronic governor system
- 12/24 volt self-starter and charger alternator
- Changeable air, fuel and oil filter
- Flexible fuel pipe
- Oil discharge valve and extension pipe
- Industrial type silencer, exhaust spiral or compensator
- Maintenance free battery
- Engine block water heater (in automatic models)
- Diesel gen-set maintenance and operating instructions and electrical circuit diagram

|                     |             |    |                                            |              |  |
|---------------------|-------------|----|--------------------------------------------|--------------|--|
| Model               | 4M06G41/6   |    | Governor type                              | Electronic   |  |
| Power               | Stand by kW | 47 | Induction                                  | TURBOCHARGED |  |
|                     | Prime kW    | 43 | Combustion System                          | Direct       |  |
| Speed (rpm)         | 1800        |    | Cooling system                             | Water        |  |
| Cycle               | 4           |    | Fuel consumption 100%                      | 10,9         |  |
| Displacement (lt)   | 2,3         |    | (lt/h) 75%                                 | 8,1          |  |
| Number of cylinders | 4, in line  |    | 50%                                        | 5,6          |  |
| Bore & Stroke       | 89 x 92     |    | Total lubrication system capacity (lt)11,5 |              |  |
| Compression ratio   | 17,5 : 1    |    | Total coolant capacity (lt) 16             |              |  |



## Alternator Specifications

- Brushless, single bearing, flexible disc 4 poles alternator for harmonic failure
- H type isolation class
- IP 21-23 protection class
- Self exciter
- Electronic automatic voltage regulator
- Stator 2/3 step for harmonic failure
- The alternator windings are protected by insulating varnish against oil and acid

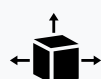
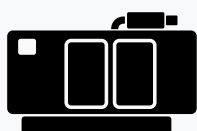
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|----------------|-------------------|--|--------------------------|---------|--|
| Brand          | STAMFORD          |  | Voltage regulation (+/-) | ± 1%    |  |
| Frequency (hz) | 60                |  | Insulation system        | Class H |  |
| Design         | 4 pole, brushless |  | Protection               | IP23    |  |
| phase          | 3                 |  | Rated power factor       | 0,8     |  |

| Brand  | Voltage (V) | Stand by | Continuous | A.V.R. | Connection type | Weight (kg) |
|--------|-------------|----------|------------|--------|-----------------|-------------|
| S1L2-K | 220         | 49,3     | 44,8       | AS540  | Parallel Star   | 177,39      |
| S1L2-K | 380         | 41,8     | 38         | AS540  | Series Star     | 177,39      |
| S1L2-K | 440         | 49,3     | 44,8       | AS540  | Series Star     | 177,39      |



## Canopy

- Modular type sound-proof canopy
- Canopy installation executed with screw and nut, without welding process
- Epoxy and polyester powder painted canopy
- Weatherproof canopy rating is IP 23
- Canopy designed for easy maintenance



Dimensions  
(W x L x H) mm

1000x2300x1420



Weight (Kg)

1028,5



Fuel tank capacity (lt)

101

- Lockable doors on both sides of canopy
- Emergency stop button
- Transparent panel inspection window
- Insulation details: Non-flammable acoustic foam
- Nano tech cleaning system



Dimensions  
(W x L x H) mm

1000x1900x1420



Weight (Kg)

854



Fuel tank capacity (lt)

101

## Silencer options

- Standard industrial type
- Critical type
- Hospital type

## Gen-Set safety protection & alarms

- High water temperature
- Low oil pressure
- High & low engine speed
- Low radiator water level

## Canopy options

- Standard canopy
- Super silent canopy
- Extra süper silent canopy (thicker insulation)

## Optional Equipments

- Charge ammeter
- Moulded case circuit braker (in automatic models)
- Hospital/Critical type silencer
- Modular type sound-proof canopy
- Mobile - trailer
- Synchronization control panel for 2-16 gensets

- 3 pole/4 pole automatic transfer panel (A.T.S.)
- Fuel and oil heater
- Alternator heater
- Automatic fuel filling system
- Fuel-water seperator filter
- PMG warning system