



## Technical Data

| Model                          |       | 275kva |
|--------------------------------|-------|--------|
| Prime power                    | kva   | 250    |
|                                | kw    | 200    |
| Standby power                  | kva   | 275    |
|                                | kw    | 220    |
| Rated voltage line to line     | V     | 400    |
| Rated current                  | A     | 360    |
| Maximum sound level for silent | dB@7m | 75     |

### Engine-Baudouin

|                   |   |                |
|-------------------|---|----------------|
| Model             | 6M16G275/5  |                |
| Aspiration        | 4 stroke,6 cylinders,In line, turbocharged and after cooled |                |
| Cylinder/Valve    |   | 6/12           |
| Displacement      | L   | 9,726          |
| Bore*Stroke       | mm  | 126x130        |
| Compression ratio |   | 17:1           |
| Rated speed       | r/min   | 1500           |
| Engine dimension  | mm  | 2075x1041x1249 |
| Governor          |   | Electrical     |
| Engine wet weight | kg  | 1050           |
| Engine idel speed |   | 750±20         |
| Fire order        |   | 1-5-3-6-2-4    |
| Start Motor       | V   | 24             |

### Exhaust System

|                                |      |     |
|--------------------------------|------|-----|
| Max exhaust back pressure      | mbar | 120 |
| Standard exhaust pipe diameter | mm   | 100 |

### Air intake System

|                             |        |      |
|-----------------------------|--------|------|
| air flow                    | m3/min | 13,3 |
| Min diameter of intake pipe | mm     | 110  |

### Fuel System

|                          |     |      |
|--------------------------|-----|------|
| 110% load(Standby power) | L/h | 67   |
| 100% load(Prime power)   | L/h | 61,8 |
| 75% load(Prime power)    | L/h | 46,3 |
| 50% load(Prime power)    | L/h | 30,9 |
| 25% load(Prime power)    | L/h | 17,2 |
| Fuel capacity            | L   | 400  |

### Lubrication System

|                            |       |          |
|----------------------------|-------|----------|
| Oil capacity low-high      | L     | 22--24   |
| oil pressure in idle speed | bar   | 1.3--2.8 |
| oil flow                   | L/min | 118      |
| Max Oil temp               | °C    | 105      |
| Oil capacity               | L     | 30       |

### Cooling System

|                                   |    |     |
|-----------------------------------|----|-----|
| Coolant capacity--Engine only     | L  | 22  |
| Coolant capacity in radiator&pipe | L  | 28  |
| Coolant alarm temperature         | °C | 105 |
| Min inside coolant outlet pipe    | mm | 45  |

### Standard Features

|  |   |
|--|---|
| Engine(Baudouin ENGINE)                        | ● |
| Radiator 50°C max,fans are driven by belt      | ● |
| 24V charge alternator                          | ● |
| Alternator: single bearing alternator IP23     | ● |
| insulation class H/H                           | ● |
| Standard auto control system                   | ● |
| One set of air filter, fuel filter, oil filter | ● |
| Main line circuit breaker / ACB                | ● |
| Base fuel tank                                 | ● |
| 24V batteries, rac and cable                   | ● |
| Exhaust system(Ripple flex exhaust pipe)       | ● |
| Exhaust siphon, flange, muffler                | ● |
| User manual                                    | ● |
| Battery charge                                 | ● |
| Water heater                                   | ● |

### Options

|                               |            |
|-------------------------------|------------|
| Alternator heater             | ○          |
| PMG                           | ○          |
| Water oil separator           | ○          |
| Daily fuel tank               | ○          |
| Remote control panel          | ○          |
| Automatic transfer switch/ATS | ○          |
| Switch box                    | ○          |
| Standard: ●                   | Options: ○ |

### Alternator

|                    |     |                            |
|--------------------|-----|----------------------------|
| Model              |     | TAL-A46-D                  |
| Alternator Brand   |     | Leroy Somer                |
| Phase              |     | 3                          |
| Voltage            | V   | 400                        |
| Wiring Type        |     | 6 wires                    |
| Bearing            |     | 1                          |
| Power factor       |     | 0,8                        |
| Frequency          | Hz  | 50                         |
| Prime power        | KVA | 250                        |
| Exciter Type       |     | Brushless, self-excitation |
| Voltage regulation | %   | ±0.5                       |
| Protection Grade   |     | IP 23                      |
| Insulation grade   |     | H                          |

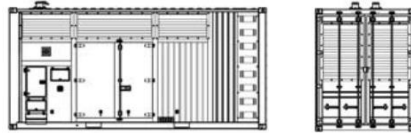
### Controller-Deepeace

Model DSE 6120

7 configurable digital inputs  
Built-in governor and AVR control  
Base load (kW export) functionality  
Mains (utility) de-coupling protection  
Generator power (kW, kVA) monitoring  
Overload (kW & kV Ar) protection  
Emergency stop  
Start failure



### Unit Dimensions(Basic unit)



|        |    |                |
|--------|----|----------------|
| L*W*H  | mm | 3600x1300x1970 |
| Weight | kg | 2.760          |

### Warranty

#### Baudouin Engine

12 months from date of purchase or 1000 hours.

#### Generator

12 months from date of purchase or 1000 hours



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