**The Reliable Supplier for Power System Solution**



NW-B Series
Powered by Baudoin Engines

## NWB / 820

## Ratings

| Output Ratings | Prime Power | Standby Power |
|---|---|---|
| | 750 kVA / 600 kW | 820 kVA / 656 kW |

**Variable genset continuous power (PRP - Prime Power) :** The assessment criterion for the variable prime power is the permissible average power output over 24 hours. The permissible average power output must not exceed a percentage of the variable genset continuous power output specified by the manufacturer of the genset. The values are between 40 % and 80 %, depending on the system. The operating time of the genset is not limited. The typical area of application for this is gensets that supply systems continuously in stand-alone operation.

**Limited-time running power Maximum power (LTP - Limited-Time Running Power)** is the maximum power that a genset can deliver within 500 hours per year. The genset may be operated continuously for 300 hours.

## Performance Data

| | | |
|---|---|---|
| Engine Brand & Model | | Baudouin / 6M33G825/5 |
| Alternator Brand & Model | | Newpower / NW/N820 |
| Frequency & Phase | | 50 Hz & 3 Phase |
| Engine Speed (RPM) | | 1500 |
| Tank Capacity (L) | | 970 |
| Fuel Consumption (L/h) | 110% Load | 174,8 |
| | 100% Load | 159,5 |
| | 75% Load | 114,8 |
| | 50% Load | 77,4 |
| Standard Noise Level @ 7m (Soundproof Sets) | | ca. 86 dB |

## Dimensions and Weights

| Content | | Open Skid | Canopied |
|---|---|---|---|
| Dimensions (mm) | L | 3626 mm | 5360 mm |
| | B | 1650 mm | 1650 mm |
| | H | 2040 mm | 2450 mm |
| Weights (Kg) | | 5114 kg | 6075 kg |

The dimensions of the unit may vary depending on the equipment. Please inform us exactly about the area of application.

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## Engine Features

Baudouin is a company founded in France in 1918 that manufactures diesel engines primarily for marine applications and generators. Baudouin's generator engines are known for their high performance, reliability and durability. These engines are available in various power ranges and are often used in industrial plants, ships, harbors, emergency power supplies and other applications. Thanks to their high efficiency, strong performance, long service life and environmentally friendly characteristics, Baudouin motors have become a popular choice in industrial and marine applications.

## Typical Engine Data / Engine Brand & Model: Baudouin / 6M33G825/5

| | | | |
|---|---|---|---|
| No. Of Cylinders / Alignment | 6 / Inline | Displacement (L) | 19,6 |
| Bore / Stroke | 150 mm / 185 mm | | |
| Induction | Turbocharge-Aftercooler | Governing Type | ECU |
| Cooling Method | Water | Net Weight (kg) | 2525 |
| Lubricant Oil | 15W-40 | Exhaust Outlet Temperature 50 Hz | 550 |
| Emission Standard | Stage II | Exhaust Gas Flow 50 Hz | 171,3 |
| Oil Capacity (L) | 61 | Combustion Air Flow 50 Hz | 51,5 |
| Engine Gross Power (Standby 50 Hz) | 725 kW | Cooling Air Flow 50 Hz | 720 |
| Compression Ratio | 15:1 | Coolant Capacity (L) | 94 |

## Alternator Data / Brand & Model: Newpower & NWN 820

| | | | |
|---|---|---|---|
| Nominal Performance | 750 kVA | Insulation class | H |
| Maximum Performance | 820 kVA | Protection | IP23 |
| Winding | %100 Copper | Winding pitch | 2 / 3 |
| Brush type | Brushless | Amortisseur winding | Full |
| Generator type | Synchronise | Ambient temp | 50 ºC |
| Bearing | single | Stator rated temp | 125 ºC |
| A.V.R. | SX440 / SX460 | Phase Sequence | A(U), B(V), C(W) |
| Voltage Regulation | ±1.0% | THF(BS EN60034-1) | <2% |
| Trigger system | Self Excitation | TIF(NEMA MG 1-22) | <50 |

Controlsystem:




InteliLite 4 AMF 8 is a single genset controller for standby and prime power applications. Intuitive, flexible, easy to install and use, the InteliLite 4 AMF 8 controller offers multiple configuration options to create the best solution for on-site and remote control and monitoring of your gensets.

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# Characteristic

| Included | Optional |
|---|---|
| o 4-stroke 1500 rpm, water-cooled heavy-duty diesel engine<br>o Replaceable dry type air filter<br>o Heat resistant cooler for 50°C.<br>o Flexible oil lines and oil drain valve<br>o Single layer, brushless AC generator<br>o batteries and cables<br>o Circuit breaker - RCD protection<br>o Industrial silencer Soundproof Plus<br>o battery charger<br>o cooling water heater<br>o sockets<br>o Galvanized canopy<br>o circuit diagram<br>o User Manual and Instruction Manual | o Automatic transfer switch<br>o External fuel tank<br>o fuel heater<br>o Oil heater<br>o Fuel filling system (automatic / manual)<br>o Analog displays |

NEWPOWER

167/5000

We reserve the right to make changes to the model, specifications, color, configuration and accessories without prior notice.Please contact us before placing your order.