The Reliable Supplier for Power System Solution



NW-B Series
Powered by Baudoin Engines

NWB / 649

Ratings

Output Ratings	Prime Power	Standby Power
	591 kVA / 472,8 kW	649 kVA / 519,2 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 / 8M21G660/5
Alternator Brand & Model		Newpower / NW/N649
Frequency & Phase		50 Hz & 3 Phase
Engine Speed (RPM)		1500
Tank Capacity (L)		970
Fuel Consumption (L/h)	110% Load	140,7
	100% Load	124,2
	75% Load	95,4
	50% Load	64,7
Standard Noise Level @ 7m (Soundproof Sets)		ca. 85 dB

Dimensions and Weights

Content		Open Skid	Canopied
Dimensions (mm)	L	3500 mm	5360 mm
	B	1650 mm	1650 mm
	H	1940 mm	2450 mm
Weights (Kg)		4073 kg	5264 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 / 8M21G660/5

No. Of Cylinders / Alignment	8 / In Reihe	Displacement (L)	16,72
Bore / Stroke	127 mm / 165 mm		
Induction	Turbocharge-Aftercooler	Governing Type	Electronic
Cooling Method	Wasser	Net Weight (kg)	1450
Lubricant Oil	15W-40	Exhaust Outlet Temperature 50 Hz	600
Emission Standard	Stage II	Exhaust Gas Flow 50 Hz	125,2
Oil Capacity (L)	44	Combustion Air Flow 50 Hz	36,2
Engine Gross Power (Standby 50 Hz)	580 kW	Cooling Air Flow 50 Hz	800
Compression Ratio	15:1	Coolant Capacity (L)	101

Alternator Data / Brand & Model: Newpower & NWN 649

Nominal Performance	591 kVA	Insulation class	H
Maximum Performance	649 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 o Replaceable dry type air filter o Heat resistant cooler for 50°C. o Flexible oil lines and oil drain valve o Single layer, brushless AC generator o batteries and cables o Circuit breaker - RCD protection o Industrial silencer Soundproof Plus o battery charger o cooling water heater o sockets o Galvanized canopy o circuit diagram o User Manual and Instruction Manual	o Automatic transfer switch o External fuel tank o fuel heater o Oil heater o Fuel filling system (automatic / manual) 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.