The Reliable Supplier for Power System Solution



NW-C Series
Powered by Cummins Engines

NWC / 450

Ratings

Output Ratings	Prime Power	Standby Power
	410 kVA / 328 kW	450 kVA / 360 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		Cummins / QSG12 G4
Alternator Brand & Model		Newpower / NW/N450
Frequency & Phase		50 Hz & 3 Phase
Engine Speed (RPM)		1500
Tank Capacity (L)		970
Fuel Consumption (L/h)	110% Load	92
	100% Load	82
	75% Load	60
	50% Load	41
Standard Noise Level @ 7m (Soundproof Sets)		TBA

Dimensions and Weights

Content		Open Skid	Canopied
Dimensions (mm)	L	3570 mm	5360 mm
	B	1650 mm	1650 mm
	H	2070 mm	2450 mm
Weights (Kg)		2891 kg	4032 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

Cummins Inc. was founded in 1919 in Columbus, Indiana, by its namesake Clessie Lyle Cummins. The company sells and services diesel engines and related technology worldwide. It is the largest engine manufacturer of its kind in the world. Cummins is divided into four divisions - engines, power generation, components and distribution - and serves customers in more than 160 countries with over 5,000 authorised service partners. These series are based on the B, C and L series from Dongfeng Cummins Engine Co. Ltd. and the M, N and K series from Chongqing Cummins Engine Company LTD. as well as imported Cummins heavy-duty engines.

Typical Engine Data / Engine Brand & Model: Cummins / QSG12 G4

No. Of Cylinders / Alignment	6 / Inline	Displacement (L)	11,8
Bore / Stroke	132 mm / 144 mm		
Induction	Turbocharged-Air Cooled	Governing Type	Electronic
Cooling Method	Water	Net Weight (kg)	1110
Lubricant Oil	15W-40	Exhaust Outlet Temperature 50 Hz	-
Emission Standard	Stage II	Exhaust Gas Flow 50 Hz	TBA
Oil Capacity (L)	34,1	Combustion Air Flow 50 Hz	TBA
Engine Gross Power (Standby 50 Hz)	409 kW	Cooling Air Flow 50 Hz	-
Compression Ratio	TBA	Coolant Capacity (L)	48

Alternator Data / Brand & Model: Newpower & NWN 450

Nominal Performance	410 kVA	Insulation class	H
Maximum Performance	450 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.