The Reliable Supplier for Power System Solution
NW-R Series
Powered by Ricardo Engines

NWR / 200

Ratings

Output Ratings	Prime Power	Standby Power
	182 kVA / 146 kW	200 kVA / 160 kW

Ratings at 0.8 power factor

1) Ambient reference conditions: 1,000 mbar, 27ºC, 30% relative humidity;
2) Standby Power Standby duty, operation under variable load, without over load;
3) Prime Power-Continuous duty operation, under variable load 24/24h-10% over load permissible 1 hour/12 hours;

Performance Data

Engine Brand & Model		Ricardo & R6110ZLD
Alternator Brand & Model		NewPower & NW/N 200
Control System		D300
Standard Noise Level @ 7m (Soundproof Sets)		76 dBA
Circuit Breaker Type		4 Pole CB
Frequency & Phase		50 Hz & 3 PH
Engine Speed (RPM)		1500
Tank (L)	Open Sets	Integrated 8-10 working hours
	Soundproof Sets	
Fuel Consumption (l/hr)	100% Load	34
	75% Load	25
	50% Load	17

Dimensions and Weights

Content		Open Sets	Soundproof Sets
Dimensions (mm)	L	2700	3200
	W	1200	1200
	H	1571	1745
Weights (kg)		1500	1900

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Engine Brand / Model : Ricardo / R6110ZLD

Typical Engine Data

No. Of Cylinders / Alignment	6 / In Line	Gross Engine Power	Prime	140
Cycle	4 Stroke		Standby	154
Bore / Stroke	113 mm / 125 mm	Compression Ratio		16:1
Induction	TCA	Displacement (L)		7,95
Cooling Method	Water	Governing Type		M & E
Lubricant Oil	15W40-CF4Upgrade	Net Weight (kg)		788

Exhaust System

Exhaust outlet size (internal) (mm) 75

Lubrication system

Maximum sump capacity (liters) 22

Minimum sump capacity (liters) 18

Prime power after running in (typically after 250 hours) (g/kWhr) ..... <=1,63

Cooling system

Electro unit (engine only) (liters) 25

Maximum top tank temperature (standby) (ºC) 95

Electric System

Voltage 24DC

Alternator output (A) 30A

Induction system

Maximum air intake restriction on engine: Clean filter (kPa) 10,5

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Alternator Brand / Model: NewPower & NW/N 200

Rated Output	180 kVA
Rated Current	240 A
Exciter	Brushless
THF(BS EN60034 – 1)	<2%
Bearing Number	Single
Windings	100% Copper
Silicon Steel Core Processing	One Piece Punching
Insulation Class	H
Winding Pitch	2 / 3
Amortisseur Winding	Full
A.V.R. Model	AS480
Voltage Regulation (no load – full load)	±1.0%
Under speed Protection	Standard
Protection	IP23
Phase Sequence	A(U), B(V), C(W)
TIF(NEMA MG 1-22)	<50
Excitation System	Self-excited, SHUNT
Ambient Temp	50 ºC
Stator Rated Temp	125 ºC

Control System :

DSE3110

The DSE3110 can be utilised as a Manual or Auto StartModule for single gen-set applications and forms part of DSE's next generation of controlmodules. The module has been designed to work with electronic and non electronic engines providing advanced engine monitoring and protection features. The DSE3110 includes a backlit LCD display which clearly shows the status of the engine at all times. The module monitors engine speed, frequency, voltage and run hours and also displays the warning and shutdown status of the engine.
Themodule includes six digital inputs and four outputs. Two of the outputs are configurable. The module can either be programmed using the front panel or by using the DSE Configuration Suite PC software.
Themodule is available in two variants:Magnetic Pick-up and Canbus.

DSE8610

The DSE8610 is an easy to use multi-generator loadshare system, designed to synchronise up to 32 generators including electronic and non-electronic engines.
The DSE8610 monitors the generator and indicates operational status and fault conditions, automatically starting or stopping the engine on load demand or fault condition.
System alarms are annunciated on the LCD screen (multiple language options available), illuminated LED and audible sounder.
The event log will record 250 events to facilitate easy maintenance. An extensive number of fixed and flexible monitoring, metering and protection features are included as well as comprehensive communication and system expansion options.

D300

The D-300 is a cost effective, modern technology genset controller ready for internet monitoring. Its main advantages are multifunctionality, support for multiple topologies, harmonic analysis and detailed power measurements. Software features are complete with easy firmware upgrade through USB port. The Windows based PC software allows monitoring and programming through USB, RS-232 and GPRS. The Rainbow Scada web service allows monitoring and control of an unlimited number of gensets from a single central location.

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Features

Available	Optional
o 4 stroke 1500RPM, water cooled heavy duty diesel engine o Dry type replacable air filter o Heatresistant radiator for 50 °C o Flexible oil pipes and oil draining valve o Preheater 4 poles synchrontype, o Single bearing, brushless alternatör o Batteries and cables o Circuit Breaker o Batteries and cables o Steel, welded chassis o steel, welded chassis o Industrial type silencer o Electronic battery charger o Electrical wiring diagram o User manual and operating manual o	o Soundproof canopy o Automatic transfer switch o Trailer o External fuel tank o Electronicgovernor o Heating system for fuel tank o Oil heater o Fuel filling system (Automatic/Manual) o Analog indicators o Monophase/Triphase switch plugs o Galvanized chasis

We reserve the right to make changes in model,

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technical specification, color, configuration and accessories without prior notice.
Please contact us before ordering.