



Guangdong Westinpower Co., Ltd

RN1750BT

Gas Generator Set Data Sheet

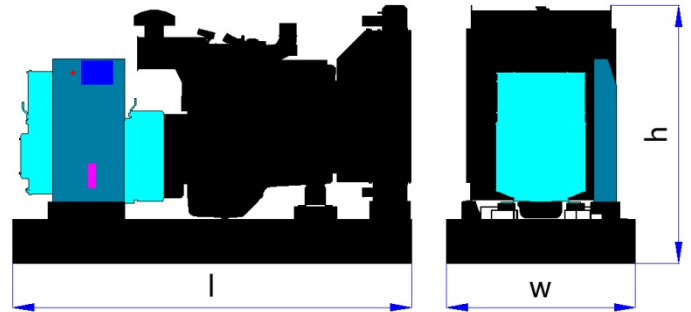


RN-BT Series GAS Generator

Type: RN1750BT

Main Data

Rated Power:	1750kVA/1400kW
Speed/Frequency:	1500 rpm /50Hz
Voltage classes:	400/230V
Power factor:	0.8
Rated current:	2526A
Starting mode:	24V/DC electrical starting
Steady voltage regulation	$\leq \pm 1\%$
Transient voltage regulation:	$-15\% \leq \delta u + 20\%$
Voltage regulation range	$\pm 5\%$
Voltage wave motion rate	$\leq \pm 1\%$
Voltage recovery time	$\leq 4S$
Steady frequency regulation	$\leq \pm 0.5\%$
Transient frequency regulation	$-15\% \leq \delta f + 10\%$
Frequency fluctuation rate	$\leq \pm 0.5\%$
Frequency steady time	$\leq 3s$



Weight and Dimensions

	Dimensions l×w×h(mm)	Weight (Kg)
Open Type:		
Silent Type:		

Operating environment

Environment temperature	$\leq 40^{\circ}C$
Altitude	$\leq 1000m$
Relative humidity	$\leq 90\%$

Note: When the environment temperature is higher than $40^{\circ}C$ or the altitude is more than 1000 meters, power will fall, need to correct.

Introduction

- Fuel requirements: Technical data is based on a calorific fuel value of 10 kWh/Nm³ for natural gas;
- Manufacturing standards: ISO8528-5、GB/T2820.5-2009、GB/T22343-2008;
- Every gas gensets have been pass the test under the load of 0%、25%、50%、75%、100% and the response ability of static, dynamic test, all the protection device and control system are pass strict inspection before they leave factory.

BAUDOUIN Gas Engine

Type: 12M55D1588A0NG

Main Data

Manufacturer: BAUDOUIN
Aspiration: Turbocharging and intercooling
Flywheel housing: SAE00
Cylinder /Arrangement: 12/V
Displacement: 65.65L
Bore: 180mm
Stroke: 215mm
Compression ratio: 12:1
Rated RPM @50Hz: 1500rpm
Gross Engine Power@ PRP: 1588KW
Governor: Electronic
Dimension (l×w×h) 3010×1697×2654mm
Weight: 9600kg

Cooling system

Thermostat opening temperature (°C): 78
Coolant capacity : 306L
Coolant alarm temperature: 98°C

Fuel system

Max. allowed fuel inlet temperature (°C): 50°C
Max. fuel: 278..2kg/h
Min. diameter of inlet pipe (mm): 80

Electrical system

Resistance of the circuit : 8mΩ
Min. sectional area of wire: 70mm²
Starter power: 8.5 kW

Exhaust system

Exhaust gas temperature: 650°C
Exhaust flow@PRP: 7941kg/h
Max back pressure: 7.5kPa

Lubrication system

Maximum oil temperature: 105°C
Oil flow: 1080L/min
Oil capacity High (L): 330
Lowest oil pressure alarm value : 200kpa

BAUDOUIN Gas Engine Features

- Engine combustible natural gas, oil field associated gas, methane and other combustible gases.
- High strength design, optimized key parts, more suitable for gas engines with high thermal load characteristics.
- Intelligent fault diagnosis, misfire monitoring, knock protection and other functions are complete.

Note: We will separately provided if you need the more parameter.

Stamford Generator

Type: S7L1D-F4

Main Data

Manufacturer: Stamford
 Rated power: 1770kVA/1416Kw
 Voltage classes: 400/230V
 Phase: 3
 Power factor: 0.8
 Excitation way: SHUNT
 AVR型号: MX341
 Rated ambient temperature: 40°C
 Dimension (l×w×h) : 200 x 105 x 155cm
 Weight: 3399kg

Performance data

Bearing number: 1
 Poles: 4
 Insulation class: H
 Temperature rise: H
 Protection: IP23
 Altitude: ≤1000m
 Overspeed: 2250rpm
 THC: <5%
 THF: <2%
 TIF: <50

Note: We will separately provided if you need the more parameter.

Control Panel

Type: easYgen-1800



Controller introduction

Operating voltage:12/24V

Operating current:12V 380mA
24V 188mA

Operating temperature:-25°C~70°C

Relative humidity: (20-93) %RH

IP Rating: front IP65
back IP20

PANEL CUTOUT: 214mm x 160mm
OVERALL : 237mm x 172mm x 45mm



Standard configuration accessories

Fittings

- shock absorber
- air filter ※
- oil filter ※
- battery、 battery cable
- outlet cabinet
- Industrial muffler
- bellows
- exhaust flange

■ gas filter ※

Data

- test report
- electrical schematic diagram
- instruction manual
- certification
- warranty card

Note: With ※ Is mounted on the set (the gas used for gas cooker,not equip wiht gas filter)

Optional accessories

- residential muffler
- exhaust pipe
- power cable
- battery charger
- maintenance-free storage battery
- space heater
- jacket heater
- oil heater
- ATS
- parallel operation
- grid Connection

- silent type generator set
- silent container genset

Spare

- gas filter
- air filter
- oil filter
- sparking plug

Other

- _____
- _____
- _____

Westinpower reserves the right to modify any of specification indicated on this catalog without prior notice. Content for more, please visit: [http:// www.westinpower.com](http://www.westinpower.com)

Tel: 0754-83583200
Fax: 0754-88177099
overseas@westinpower.com