

ROC

Specialize In Heating Appliances Since 1995



ROC

Product Manual



GD ROC COOL AND HEAT EQP LTD

ADD:Mid No.34 Jinkang West Road,Gaoxin Development Zone,
Mazhang District, Zhanjiang, Guangdong, China P.C:524094

TEL:86-759-3638123, 3638102, 3638118

FAX:86-759-3611144

<https://www.rocgas.com>

E-mail:nikita.ye@rocgas.com /info@rocgas.com

ROC

Found in 1995 and focus on wall mounted gas boiler ever since.

The producer of FIRST WALL MOUNTED BOILER in China.

Serve over 3 Millio families worldwide.

Largest manufacturer of wall mounted gas boiler in China.

Automatic assembling lines with 50000 square meters.

Maximum capacity as 50000 units/ year.

Sophisticated workers who have average 10 YEARS working experience in heating field.

With multiple PATENTS, includes INVENT PATENTS in China and Europe.

OEM producers of top 500 companies.

Factory with global certifications: ISO 9001, ISO 14001, ISO 45001, CE, 3C, EAC, WRAS.....



Innovation LEADER

Qualification certificate



CE certificate



ISO9001 certificate



ISO14001 certificate



ErP test report



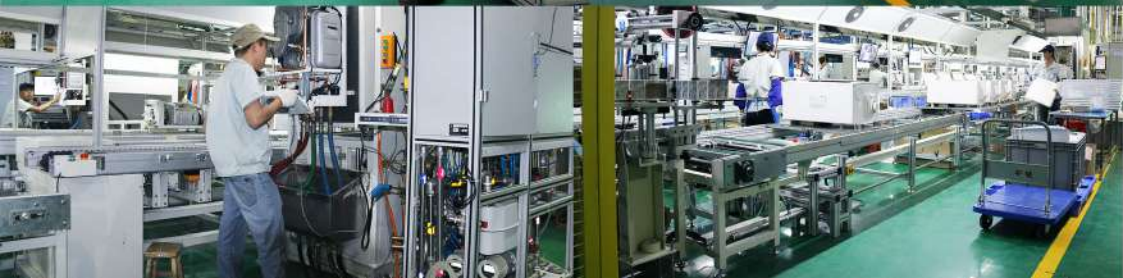
WRAS certificate



EAC certificate

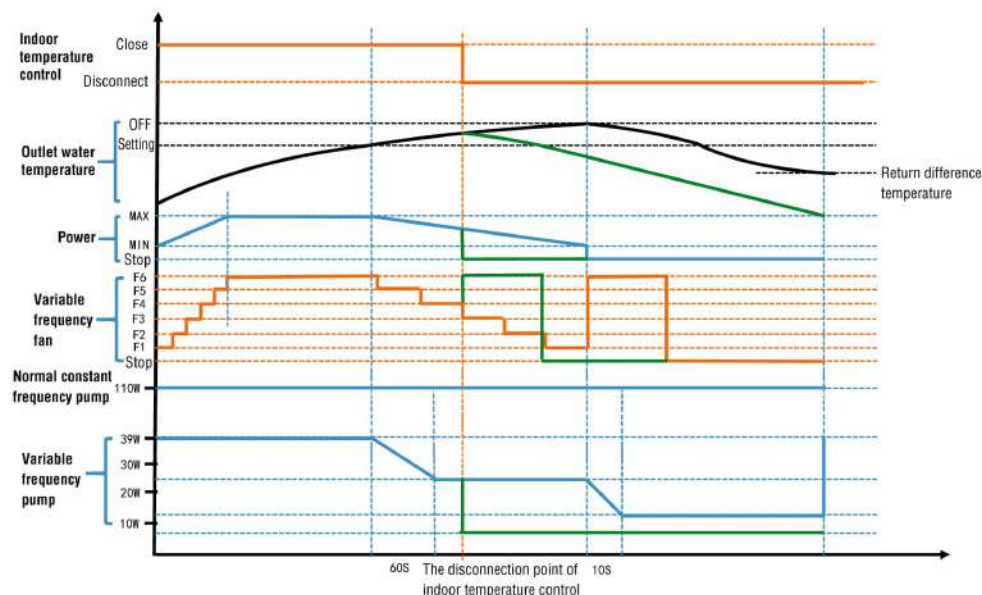


Modern workshop

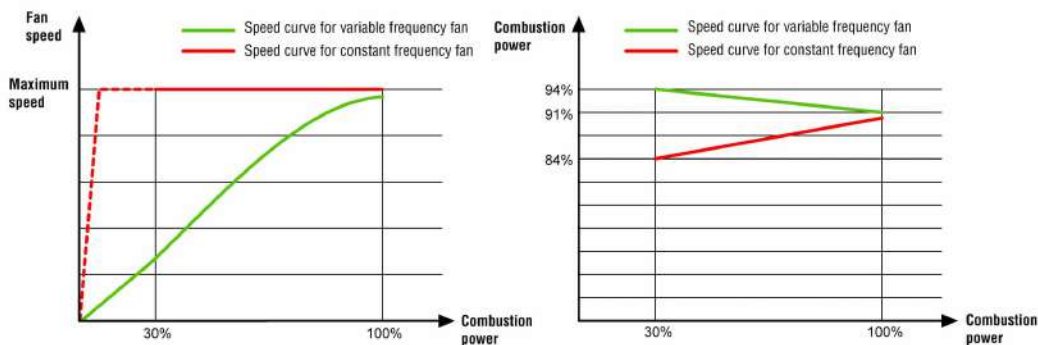


New designed modern production line
which is superior in strength

Energy saving principle of Two-stage energy efficiency dual frequency conversion wall mounted gas boiler



- ▶ The normal constant frequency fan always keeps constant speed, it cannot achieve reasonable mixing of air volume and gas, so the combustion efficiency is low and flue emission index is poor. The power consumption for constant frequency fan is 35W, and the power consumption for constant frequency pump is 110W.
- ▶ With the size of combustion power (gas flow volume), the variable frequency fan can adjust its rotating speed, air volume, and achieve reasonable mixing of air volume and gas, increase combustion efficiency greatly, and decrease flue emission index well. The variable fan can save electricity up to 50% comparing with constant frequency fan. The variable frequency pump can save electricity up to 83% compared with constant frequency pump.



What can the energy saving of variable frequency pump bring to the end user?



Taking the 6m pump widely used in the wall mounted gas boiler for example:

- Constant frequency pump: 6m Maximum power 110W
- Variable frequency pump: 6m Maximum power 39W
- One heating season: 4 months, 30 days for each month, it runs 24 hours a day
- The energy consumption calculates percentage of flow volume and time as per pump's EEI index in the European ERP directive
- Electricity price is calculated by RMB0.53 /kwh.
- Only considering heating function, the part of domestic hot water is not calculated.

Scheme one: Constant frequency pump

- The pump speed cannot be adjusted, it operates at maximum power (speed)

Scheme two: Variable frequency pump

- The pump speed is changed according to the load change.

Flow volume %	Time %
100	6
75	15
50	35
25	44

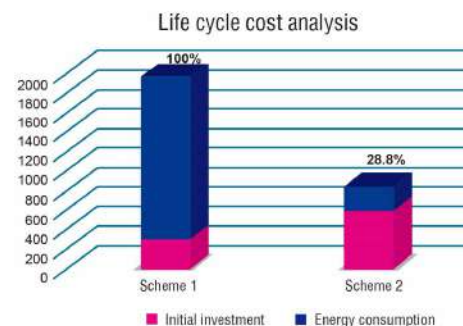
Flow volume and time percentage calculated by EEI index in the European ERP directive

Electricity charges analysis for one heating season

EEI index		6M (Constant frequency) Scheme 1		6M (Variable frequency) Scheme 2	
Flow volume %	Time %	One heating season (hours)	Power (W)	Total energy consumption (W)	Power (W)
100	6	173	110	19,008	39
75	15	432	110	47,520	29
50	35	1,008	110	110,880	20
25	44	1,267	110	139,392	10
Total	100	2,880		316,800	
Electricity charges (0.53/kwh)				168	27
Energy saving					83.8%

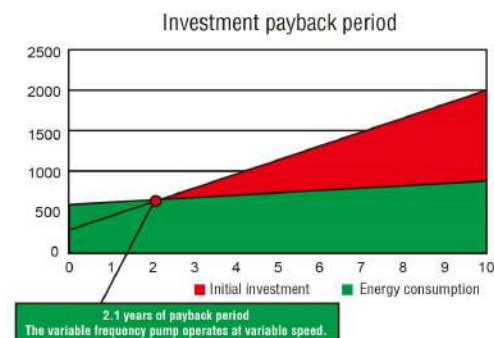
Single family can save maximum RMB141 in one heating season.

Pump life cost analysis - pump operates for 10 years



Only considering heating function, the part of domestic hot water is not calculated.

Investment payback period - pump operates for 10 years



Only considering heating function, the part of domestic hot water is not calculated.

CE

CE series

Full premixed condensing gas boiler



Intelligent remote control,
free of mind



Condensing technology,
low-carbon future



NOx emissions is
low as class 5



Gas saving,
Electricity saving



Heat efficiency
is up to 107%



Degree Of protection
Against Humidity as IPX5D

● Full premixed condensing technology, gas and air are fully mixed to achieve 100% combustion, heat efficiency is up to 107%, national class 1 energy efficiency.

● Low emission of NOx and NO, no pollution to the environment, effective prevention of haze, low carbon and environmental friendly.

● Large colorful screen display, touch control, simple and easy.

● Wi-Fi Remote control, easy operation, intelligent heating mode.



CE series



Technical data

		LL1GBQ24-B26CE LN1GBQ24-B26CE	LL1GBQ28-B30CE LN1GBQ28-B30CE	LL1GBQ35-B37CE LN1GBQ35-B37CE
Power				
Max heating rated heat load	kW	24.4	28.4	35.0
Min heating rated heat load	kW	5.0	5.5	5.8
Heating rated condensing heat output(50°C/30°C)	kW	26.0	30.0	37.0
Max heating rated heat output(80°C/60°C)	kW	24.0	28.0	33.6
Min heating rated heat output(80°C/60°C)	kW	5.0	5.3	5.6
Heating Min condensing heat output(50°C/30°C)	kW	5.0	5.8	6.2
Domestic hot water rated heat load	kW	24.4	28.4	35.0
Efficiency				
Energy efficiency rate	-	Class 1	Class 1	Class 1
Rated heat efficiency(80°C/60°C)	%	98	99	99
Rated heat efficiency(50°C/30°C)	%	107	107	107
Heat efficiency at 30% power	%	107	107	107
Technical date				
Gas consumption of heating capacity(NG)	m ³ /h	2.6	3.0	3.7
Anti-freeze system start temperature	°C	5	5	5
Min hot water output capacity	kg/min	2.5	2.5	2.5
Max water pressure of heating system	MPa	0.3	0.3	0.3
Water pressure of domestic hot water	MPa	0.02~0.8	0.02~0.8	0.02~0.8
Expansion tank capacity	L	6.5	8	8
Preset pressure of expansion tank	MPa	0.1	0.1	0.1
Rated gas pressure (NG)	kPa	2.0	2.0	2.0
Gas pressure range (NG)	kPa	1.5~3.0	1.5~3.0	1.5~3.0
Performance				
Heating temperature setting range	°C	30~80	30~80	30~80
Domestic hot water temperature setting range	°C	30~60	30~60	30~60
Hot water production capacity (Δt=25K)	kg/min	13.4	15.6	19.2
Hot water production capacity (Δt=30K)	kg/min	11.2	13.2	16.0
Circuit part				
Rated power capacity	W	110/130	120/130	130/150
Electrical power supply voltage	-	220V~ 50Hz	220V~ 50Hz	220V~ 50Hz
Electric shock protection type	-	Class I	Class I	Class I
Degree Of protection Against Humidity	-	IPX5D	IPX5D	IPX5D
NOx emission grade	-	Class 5	Class 5	Class 5
External dimensions	mm	(L)420X(W)345X(H)720	(L)420X(W)400X(H)720	

Note: LN is heating only, which without DHW , please ignore the DHW data with LN model.

Note: All above specification is for reference only, apply base on product itself.

CW

CW series Full premixed condensing gas boiler



Intelligent remote control,
free of mind



Condensing technology,
low-carbon future



NOx emissions is
low as class 5



Gas saving,
Electricity saving



Heat efficiency
is up to 107%



Degree Of protection
Against Humidity as IPX5D

● Full premixed condensing technology, gas and air are fully mixed to achieve 100% combustion, heat efficiency is up to 107%, national class 1 energy efficiency.

● Low emission of NOx and NO, no pollution to the environment, effective prevention of haze, low carbon and environmental friendly.

● Large colorful screen display, push-button control, simple and easy.

● Wi-Fi Remote control, easy operation, intelligent heating mode.



CW series



■ Technical data

		LL1GBQ24-B26CW LN1GBQ24-B26CW	LL1GBQ28-B30CW LN1GBQ28-B30CW	LL1GBQ35-B37CW LN1GBQ35-B37CW
Power				
Max heating rated heat load	kW	24.4	28.4	35.0
Min heating rated heat load	kW	5.0	5.5	5.8
Heating rated condensing heat output(50°C/30°C)	kW	26.0	30.0	37.0
Max heating rated heat output(80°C/60°C)	kW	24.0	28.0	33.6
Min heating rated heat output(80°C/60°C)	kW	5.0	5.3	5.6
Heating Min condensing heat output(50°C/30°C)	kW	5.0	5.8	6.2
Domestic hot water rated heat load	kW	24.4	28.4	35.0
Efficiency				
Energy efficiency rate	-	Class 1	Class 1	Class 1
Rated heat efficiency(80°C/60°C)	%	98	99	99
Rated heat efficiency(50°C/30°C)	%	107	107	107
Heat efficiency at 30% power	%	107	107	107
Technical data				
Gas consumption of heating capacity(NG)	m ³ /h	2.6	3.0	3.7
Anti-freeze system start temperature	°C	5	5	5
Min hot water output capacity	kg/min	2.5	2.5	2.5
Max water pressure of heating system	MPa	0.3	0.3	0.3
Water pressure of domestic hot water	MPa	0.02~0.8	0.02~0.8	0.02~0.8
Expansion tank capacity	L	6.5	8	8
Preset pressure of expansion tank	MPa	0.1	0.1	0.1
Rated gas pressure (NG)	kPa	2.0	2.0	2.0
Gas pressure range (NG)	kPa	1.5~3.0	1.5~3.0	1.5~3.0
Performance				
Heating temperature setting range	°C	30~80	30~80	30~80
Domestic hot water temperature setting range	°C	30~60	30~60	30~60
Hot water production capacity (Δt=25K)	kg/min	13.4	15.6	19.2
Hot water production capacity (Δt=30K)	kg/min	11.2	13.2	16.0
Circuit part				
Rated power capacity	W	110/130	120/130	130/150
Electrical power supply voltage	-	220V~ 50Hz	220V~ 50Hz	220V~ 50Hz
Electric shock protection type	-	Class I	Class I	Class I
Degree Of protection Against Humidity	-	IPX5D	IPX5D	IPX5D
NOx emission grade	-	Class 5	Class 5	Class 5
External dimensions	mm	(L)420X(W)350X(H)720	(L)420X(W)405X(H)720	

Note: LN is heating only, which without DHW , please ignore the DHW data with LN model.

Note: All above specification is for reference only, apply base on product itself.

CG

CG series

Full premixed condensing gas boiler



Intelligent remote control,
free of mind



Condensing technology,
low-carbon future



NOx emissions is
low as class 5



Gas saving,
Electricity saving



Heat efficiency
is up to 107%



Degree Of protection
Against Humidity as IPX5D

● Full premixed condensing technology, gas and air are fully mixed to achieve 100% combustion, heat efficiency is up to 107%, national class 1 energy efficiency.

● Low emission of NOx and NO, no pollution to the environment, effective prevention of haze, low carbon and environmental friendly.

● Large colorful screen display, touch control, simple and easy.

● Wi-Fi Remote control, easy operation, intelligent heating mode.



CG series



Technical data

		LL1GBQ24-B26CG LN1GBQ24-B26CG	LL1GBQ28-B30CG LN1GBQ28-B30CG	LL1GBQ35-B37CG LN1GBQ35-B37CG
Power				
Max heating rated heat load	kW	24.4	28.4	35.0
Min heating rated heat load	kW	5.0	5.5	5.8
Heating rated condensing heat output(50°C/30°C)	kW	26.0	30.0	37.0
Max heating rated heat output(80°C/60°C)	kW	24.0	28.0	33.6
Min heating rated heat output(80°C/60°C)	kW	5.0	5.3	5.6
Heating Min condensing heat output(50°C/30°C)	kW	5.0	5.8	6.2
Domestic hot water rated heat load	kW	24.4	28.4	35.0
Efficiency				
Energy efficiency rate	-	Class 1	Class 1	Class 1
Rated heat efficiency(80°C/60°C)	%	98	99	99
Rated heat efficiency(50°C/30°C)	%	107	107	107
Heat efficiency at 30% power	%	107	107	107
Technical date				
Gas consumption of heating capacity(NG)	m ³ /h	2.6	3.0	3.7
Anti-freeze system start temperature	°C	5	5	5
Min hot water output capacity	kg/min	2.5	2.5	2.5
Max water pressure of heating system	MPa	0.3	0.3	0.3
Water pressure of domestic hot water	MPa	0.02~0.8	0.02~0.8	0.02~0.8
Expansion tank capacity	L	6.5	8	8
Preset pressure of expansion tank	MPa	0.1	0.1	0.1
Rated gas pressure (NG)	kPa	2.0	2.0	2.0
Gas pressure range (NG)	kPa	1.5~3.0	1.5~3.0	1.5~3.0
Performance				
Heating temperature setting range	°C	30~80	30~80	30~80
Domestic hot water temperature setting range	°C	30~60	30~60	30~60
Hot water production capacity (Δt=25K)	kg/min	13.4	15.6	19.2
Hot water production capacity (Δt=30K)	kg/min	11.2	13.2	16.0
Circuit part				
Rated power capacity	W	110/130	120/130	130/150
Electrical power supply voltage	-	220V~ 50Hz	220V~ 50Hz	220V~ 50Hz
Electric shock protection type	-	Class I	Class I	Class I
Degree Of protection Against Humidity	-	IPX5D	IPX5D	IPX5D
NOx emission grade	-	Class 5	Class 5	Class 5
External dimensions	mm	(L)420X(W)355X(H)720	(L)420X(W)410X(H)720	

Note: LN is heating only, which without DHW , please ignore the DHW data with LN model.

Note: All above specification is for reference only, apply base on product itself.

CU

CU series

Full premixed condensing gas boiler



Intelligent remote control,
free of mind



Condensing technology,
low-carbon future



NOx emissions is
low as class 5



Gas saving,
Electricity saving



Heat efficiency
is up to 107%



Degree Of protection
Against Humidity as IPX5D

● Full premixed condensing technology, gas and air are fully mixed to achieve 100% combustion, heat efficiency is up to 107%, national class 1 energy efficiency.

● Low emission of NOx and NO, no pollution to the environment, effective prevention of haze, low carbon and environmental friendly.

● Large colorful screen display, push-button control, simple and easy.

● Wi-Fi Remote control, easy operation, intelligent heating mode.



CU series



Technical data

		LL1GBQ24-B26CU LN1GBQ24-B26CU	LL1GBQ28-B30CU LN1GBQ28-B30CU	LL1GBQ35-B37CU LN1GBQ35-B37CU
Power				
Max heating rated heat load	kW	24.4	28.4	35.0
Min heating rated heat load	kW	5.0	5.5	5.8
Heating rated condensing heat output(50°C/30°C)	kW	26.0	30.0	37.0
Max heating rated heat output(80°C/60°C)	kW	24.0	28.0	33.6
Min heating rated heat output(80°C/60°C)	kW	5.0	5.3	5.6
Heating Min condensing heat output(50°C/30°C)	kW	5.0	5.8	6.2
Domestic hot water rated heat load	kW	24.4	28.4	35.0
Efficiency				
Energy efficiency rate	-	Class 1	Class 1	Class 1
Rated heat efficiency(80°C/60°C)	%	98	99	99
Rated heat efficiency(50°C/30°C)	%	107	107	107
Heat efficiency at 30% power	%	107	107	107
Technical data				
Gas consumption of heating capacity(NG)	m ³ /h	2.6	3.0	3.7
Anti-freeze system start temperature	°C	5	5	5
Min hot water output capacity	kg/min	2.5	2.5	2.5
Max water pressure of heating system	MPa	0.3	0.3	0.3
Water pressure of domestic hot water	MPa	0.02~0.8	0.02~0.8	0.02~0.8
Expansion tank capacity	L	6.5	8	8
Preset pressure of expansion tank	MPa	0.1	0.1	0.1
Rated gas pressure (NG)	kPa	2.0	2.0	2.0
Gas pressure range (NG)	kPa	1.5~3.0	1.5~3.0	1.5~3.0
Performance				
Heating temperature setting range	°C	30~80	30~80	30~80
Domestic hot water temperature setting range	°C	30~60	30~60	30~60
Hot water production capacity (Δt=25K)	kg/min	13.4	15.6	19.2
Hot water production capacity (Δt=30K)	kg/min	11.2	13.2	16.0
Circuit part				
Rated power capacity	W	110/130	120/130	130/150
Electrical power supply voltage	-	220V~ 50Hz	220V~ 50Hz	220V~ 50Hz
Electric shock protection type	-	Class I	Class I	Class I
Degree Of protection Against Humidity	-	IPX5D	IPX5D	IPX5D
NOx emission grade	-	Class 5	Class 5	Class 5
External dimensions	mm	(L)420X(W)345X(H)720	(L)420X(W)400X(H)720	

Note: LN is heating only, which without DHW , please ignore the DHW data with LN model.

Note: All above specification is for reference only, apply base on product itself.

CN

CN series Full premixed condensing gas boiler



Intelligent remote control,
free of mind



Condensing technology,
low-carbon future



NOx emissions is
low as class 5



Gas saving,
Electricity saving



Heat efficiency
is up to 107%



Degree Of protection
Against Humidity as IPX5D

● Full premixed condensing technology, gas and air are fully mixed to achieve 100% combustion, heat efficiency is up to 107%, national class 1 energy efficiency.

● Low emission of NOx and NO, no pollution to the environment, effective prevention of haze, low carbon and environmental friendly.

● Large colorful screen display, push-button control, simple and easy.

● Wi-Fi Remote control, easy operation, intelligent heating mode.



CN series



Technical data

		LL1GBQ24-B26CN LN1GBQ24-B26CN	LL1GBQ28-B30CN LN1GBQ28-B30CN	LL1GBQ35-B37CN LN1GBQ35-B37CN
Power				
Max heating rated heat load	kW	24.4	28.4	35.0
Min heating rated heat load	kW	5.0	5.5	5.8
Heating rated condensing heat output(50°C/30°C)	kW	26.0	30.0	37.0
Max heating rated heat output(80°C/60°C)	kW	24.0	28.0	33.6
Min heating rated heat output(80°C/60°C)	kW	5.0	5.3	5.6
Heating Min condensing heat output(50°C/30°C)	kW	5.0	5.8	6.2
Domestic hot water rated heat load	kW	24.4	28.4	35.0

Efficiency

Energy efficiency rate	-	Class 1	Class 1	Class 1
Rated heat efficiency(80°C/60°C)	%	98	99	99
Rated heat efficiency(50°C/30°C)	%	107	107	107
Heat efficiency at 30% power	%	107	107	107

Technical data

Gas consumption of heating capacity(NG)	m ³ /h	2.6	3.0	3.7
Anti-freeze system start temperature	°C	5	5	5
Min hot water output capacity	kg/min	2.5	2.5	2.5
Max water pressure of heating system	MPa	0.3	0.3	0.3
Water pressure of domestic hot water	MPa	0.02~0.8	0.02~0.8	0.02~0.8
Expansion tank capacity	L	6.5	8	8
Preset pressure of expansion tank	MPa	0.1	0.1	0.1
Rated gas pressure (NG)	kPa	2.0	2.0	2.0
Gas pressure range (NG)	kPa	1.5~3.0	1.5~3.0	1.5~3.0

Performance

Heating temperature setting range	°C	30~80	30~80	30~80
Domestic hot water temperature setting range	°C	30~60	30~60	30~60
Hot water production capacity (Δt=25K)	kg/min	13.4	15.6	19.2
Hot water production capacity (Δt=30K)	kg/min	11.2	13.2	16.0

Circuit part

Rated power capacity	W	110/130	120/130	130/150
Electrical power supply voltage	-	220V~ 50Hz	220V~ 50Hz	220V~ 50Hz
Electric shock protection type	-	Class I	Class I	Class I
Degree Of protection Against Humidity	-	IPX5D	IPX5D	IPX5D
NOx emission grade	-	Class 5	Class 5	Class 5
External dimensions	mm	(L)420X(W)345X(H)720	(L)420X(W)400X(H)720	

Note: LN is heating only, which without DHW , please ignore the DHW data with LN model.

Note: All above specification is for reference only, apply base on product itself.

M

M series
Gas boiler



- Small and mini size, ingenuity and wisdom.
- Frequency conversion technology, gas and electricity saving.
- Dynamic temperature display, easy to operate



M series



M series



L1PB12-X8 L1PB16-X8 L1PB20-X8 L1PB26-X8

Power

Max heating rated heat load	kW	12.2	16.7	20.0	26.4
Min heating rated heat load	kW	3.7	5.0	7.0	9.2
Max heating rated heat output	kW	11.0	15.0	18.0	23.6
Min heating rated heat output	kW	3.2	4.4	6.0	7.6
Domestic hot water rated heat load	kW	12.2	16.7	20.0	26.4

Efficiency

Energy efficiency rate	-	Class 2	Class 2	Class 2	Class 2
------------------------	---	---------	---------	---------	---------

Technical date

Gas consumption of heating capacity(NG)	m ³ /h	1.29	1.76	2.12	2.79
Anti-freeze system start temperature	°C	5	5	5	5
Min hot water output capacity	kg/min	2.5	2.5	2.5	2.5
Max water pressure of heating system	MPa	0.3	0.3	0.3	0.3
Water pressure of domestic hot water	MPa	0.02~0.8	0.02~0.8	0.02~0.8	0.02~0.8
Expansion tank capacity	L	5	5	5	6
Preset pressure of expansion tank	MPa	0.1	0.1	0.1	0.1
Rated gas pressure (NG)	kPa	2.0	2.0	2.0	2.0
Gas pressure range (NG)	kPa	1.5~3.0	1.5~3.0	1.5~3.0	1.5~3.0

Performance

Heating temperature setting range	°C	30~80	30~80	30~80	30~80
Domestic hot water temperature setting range	°C	30~60	30~60	30~60	30~60
Hot water production capacity (Δt=25K)	kg/min	6.3	8.6	10.2	13.4
Hot water production capacity (Δt=30K)	kg/min	5.3	7.2	8.3	10.8

Circuit part

Rated power capacity	W	80/100	80/100	80/100	100/120
Electrical power supply voltage	-	220V~ 50Hz	220V~ 50Hz	220V~ 50Hz	220V~ 50Hz
Electric shock protection type	-	Class I	Class I	Class I	Class I
Degree Of protection Against Humidity	-	IPX4D	IPX4D	IPX4D	IPX4D
External dimensions	mm	(L)400X(W)250X(H)660			

Note: All above specification is for reference only, apply base on product itself.

P

P series Gas boiler

- Small and mini size, ingenuity and wisdom.
- ECO mode, energy saving.
- Wi-Fi Remote control, free of mind.
- Large modernize touch screen, easy to operate.



P series



Technical data

		L1PB12-P8	L1PB16-P8	L1PB20-P8	L1PB26-P8
Power					
Max heating rated heat load	kW	12.2	16.7	20.0	26.4
Min heating rated heat load	kW	3.7	5.0	7.0	9.2
Max heating rated heat output	kW	11.0	15.0	18.0	23.6
Min heating rated heat output	kW	3.2	4.4	6.0	7.6
Domestic hot water rated heat load	kW	12.2	16.7	20.0	26.4
Efficiency					
Energy efficiency rate	-	Class 2	Class 2	Class 2	Class 2
Technical data					
Gas consumption of heating capacity(NG)	m ³ /h	1.29	1.76	2.12	2.79
Anti-freeze system start temperature	°C	5	5	5	5
Min hot water output capacity	kg/min	2.5	2.5	2.5	2.5
Max water pressure of heating system	MPa	0.3	0.3	0.3	0.3
Water pressure of domestic hot water	MPa	0.02~0.8	0.02~0.8	0.02~0.8	0.02~0.8
Expansion tank capacity	L	5	5	5	6
Preset pressure of expansion tank	MPa	0.1	0.1	0.1	0.1
Rated gas pressure (NG)	kPa	2.0	2.0	2.0	2.0
Gas pressure range (NG)	kPa	1.5~3.0	1.5~3.0	1.5~3.0	1.5~3.0
Performance					
Heating temperature setting range	°C	30~80	30~80	30~80	30~80
Domestic hot water temperature setting range	°C	30~60	30~60	30~60	30~60
Hot water production capacity (Δt=25K)	kg/min	6.3	8.6	10.2	13.4
Hot water production capacity (Δt=30K)	kg/min	5.3	7.2	8.3	10.8
Circuit part					
Rated power capacity	W	80/100	80/100	80/100	100/120
Electrical power supply voltage	-	220V~ 50Hz	220V~ 50Hz	220V~ 50Hz	220V~ 50Hz
Electric shock protection type	-	Class I	Class I	Class I	Class I
Degree Of protection Against Humidity	-	IPX4D	IPX4D	IPX4D	IPX4D
External dimensions	mm	(L)400X(W)250X(H)660			

Note: All above specification is for reference only, apply base on product itself.

Y

Y series Gas boiler



Y series



YM series

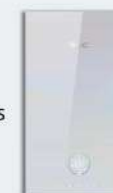
- One-touch ECO mode, energy saving easier.
- Glass panel, easy cleaning and maintenance.
- Wi-Fi remote control, on-demand operation.
- Stylish touchscreen display, easy to operate.



Y series



YM series



Technical data

		L1PB20-YM	L1PB26-YM	L1PB32-Y8	L1PB36-Y8	L1PB40-Y8
Power						
Max heating rated heat load	kW	20.0	26.4	31.5	36.0	40.0
Min heating rated heat load	kW	7.0	9.2	11.0	12.6	14.0
Max heating rated heat output	kW	18.0	23.6	28.0	32.0	35.6
Min heating rated heat output	kW	6.0	7.6	9.2	10.6	11.6
Domestic hot water rated heat load	kW	20.0	26.4	31.5	36.0	40.0
Efficiency						
Energy efficiency rate	-	Class 2	Class 2	Class 2	Class 2	Class 2
Technical data						
Gas consumption of heating capacity(NG)	m ³ /h	2.12	2.79	3.33	3.81	4.23
Anti-freeze system start temperature	°C	5	5	5	5	5
Min hot water output capacity	kg/min	2.5	2.5	2.5	2.5	2.5
Max water pressure of heating system	MPa	0.3	0.3	0.3	0.3	0.3
Water pressure of domestic hot water	MPa	0.02~0.8	0.02~0.8	0.02~0.8	0.02~0.8	0.02~0.8
Expansion tank capacity	L	6	6	8	8	8
Preset pressure of expansion tank	MPa	0.1	0.1	0.1	0.1	0.1
Rated gas pressure (NG)	kPa	2.0	2.0	2.0	2.0	2.0
Gas pressure range (NG)	kPa	1.5~3.0	1.5~3.0	1.5~3.0	1.5~3.0	1.5~3.0
Performance						
Heating temperature setting range	°C	30~80	30~80	30~80	30~80	30~80
Domestic hot water temperature setting range	°C	30~60	30~60	30~60	30~60	30~60
Hot water production capacity (Δt=25K)	kg/min	10.2	13.4	16.0	18.3	20.4
Hot water production capacity (Δt=30K)	kg/min	8.3	10.8	13.3	14.8	16.7
Circuit part						
Rated power capacity	W	80/100	100/120	110/130	130/150	130/150
Electrical power supply voltage	-	220V~ 50Hz	220V~ 50Hz	220V~ 50Hz	220V~ 50Hz	220V~ 50Hz
Electric shock protection type	-	Class I	Class I	Class I	Class I	Class I
Degree Of protection Against Humidity	-	IPX4D	IPX4D	IPX4D	IPX4D	IPX4D
External dimensions	mm	(L)420X(W)320X(H)720		(L)420X(W)340X(H)720		
		(L)400X(W)250X(H)660				

Note: All above specification is for reference only, apply base on product itself.

A

A series Gas boiler



- High efficiency, Effective technology.
- Simple touch screen control, easy operation.
- ECO mode, energy saving.
- Wi-Fi Remote control, free of mind.



A series



Technical data

		L1PB20-A8	L1PB26-A8	L1PB32-A8	L1PB36-A8	L1PB40-A8
Power						
Max heating rated heat load	kW	20.0	26.4	31.5	36.0	40.0
Min heating rated heat load	kW	7.0	9.2	11.0	12.6	14.0
Max heating rated heat output	kW	18.0	23.6	28.0	32.0	35.6
Min heating rated heat output	kW	6.0	7.6	9.2	10.6	11.6
Domestic hot water rated heat load	kW	20.0	26.4	31.5	36.0	40.0
Efficiency						
Energy efficiency rate	-	Class 2	Class 2	Class 2	Class 2	Class 2
Technical data						
Gas consumption of heating capacity(NG)	m ³ /h	2.12	2.79	3.33	3.81	4.23
Anti-freeze system start temperature	°C	5	5	5	5	5
Min hot water output capacity	kg/min	2.5	2.5	2.5	2.5	2.5
Max water pressure of heating system	MPa	0.3	0.3	0.3	0.3	0.3
Water pressure of domestic hot water	MPa	0.02~0.8	0.02~0.8	0.02~0.8	0.02~0.8	0.02~0.8
Expansion tank capacity	L	6	6	8	8	8
Preset pressure of expansion tank	MPa	0.1	0.1	0.1	0.1	0.1
Rated gas pressure (NG)	kPa	2.0	2.0	2.0	2.0	2.0
Gas pressure range (NG)	kPa	1.5~3.0	1.5~3.0	1.5~3.0	1.5~3.0	1.5~3.0
Performance						
Heating temperature setting range	°C	30~80	30~80	30~80	30~80	30~80
Domestic hot water temperature setting range	°C	30~60	30~60	30~60	30~60	30~60
Hot water production capacity (Δt=25K)	kg/min	10.2	13.4	16.0	18.3	20.4
Hot water production capacity (Δt=30K)	kg/min	8.3	10.8	13.3	14.8	16.7
Circuit part						
Rated power capacity	W	80/100	100/120	110/130	130/150	130/150
Electrical power supply voltage	-	220V~ 50Hz	220V~ 50Hz	220V~ 50Hz	220V~ 50Hz	220V~ 50Hz
Electric shock protection type	-	Class I	Class I	Class I	Class I	Class I
Degree Of protection Against Humidity	-	IPX4D	IPX4D	IPX4D	IPX4D	IPX4D
External dimensions	mm	(L)420X(W)320X(H)720		(L)420X(W)340X(H)720		

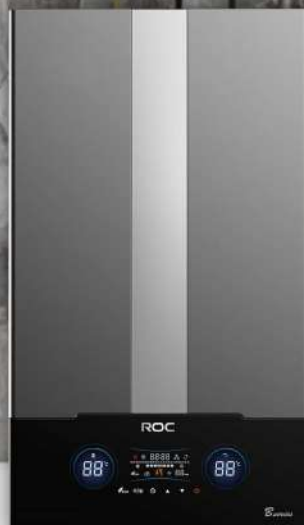
Note: All above specification is for reference only, apply base on product itself.

B

B series
Gas boiler

Sectionalization burner technology, more gas saving

- ECO mode, energy saving.
- Intelligent sectionalization burner, avoid overheat shower in summer.
- With two heat exchanger structure, higher heat exchange efficiency.
- Wi-Fi Remote control, free of mind.
- Large modernize touch screen, easy to operate.



Two heat exchange model



Intelligent sectionalization
burner model

B series
Two heat
exchanger
model



B series
Intelligent
sectionalization
burner model



Technical data

		L1PB20-B8	L1PB26-B8	L1PB32-B8	L1PB36-B8	L1PB40-B8
Power						
Max heating rated heat load	kW	20.0	26.4	31.5	36.0	40.0
Min heating rated heat load	kW	7.0	9.2	11.0	12.6	14.0
Max heating rated heat output	kW	18.0	23.6	28.0	32.0	35.6
Min heating rated heat output	kW	6.0	7.6	9.2	10.6	11.6
Domestic hot water rated heat load	kW	20.0	26.4	31.5	36.0	40.0
Efficiency						
Energy efficiency rate	-	Class 2	Class 2	Class 2	Class 2	Class 2
Technical data						
Gas consumption of heating capacity(NG)	m ³ /h	2.12	2.79	3.33	3.81	4.23
Anti-freeze system start temperature	°C	5	5	5	5	5
Min hot water output capacity	kg/min	2.5	2.5	2.5	2.5	2.5
Max water pressure of heating system	MPa	0.3	0.3	0.3	0.3	0.3
Water pressure of domestic hot water	MPa	0.02~0.8	0.02~0.8	0.02~0.8	0.02~0.8	0.02~0.8
Expansion tank capacity	L	6	6	8	8	8
Preset pressure of expansion tank	MPa	0.1	0.1	0.1	0.1	0.1
Rated gas pressure (NG)	kPa	2.0	2.0	2.0	2.0	2.0
Gas pressure range (NG)	kPa	1.5~3.0	1.5~3.0	1.5~3.0	1.5~3.0	1.5~3.0
Performance						
Heating temperature setting range	°C	30~80	30~80	30~80	30~80	30~80
Domestic hot water temperature setting range	°C	30~60	30~60	30~60	30~60	30~60
Hot water production capacity (Δt=25K)	kg/min	10.2	13.4	16.0	18.3	20.4
Hot water production capacity (Δt=30K)	kg/min	8.3	10.8	13.3	14.8	16.7
Circuit part						
Rated power capacity	W	80/100	100/120	110/130	130/150	130/150
Electrical power supply voltage	-	220V~ 50Hz	220V~ 50Hz	220V~ 50Hz	220V~ 50Hz	220V~ 50Hz
Electric shock protection type	-	Class I	Class I	Class I	Class I	Class I
Degree Of protection Against Humidity	-	IPX4D	IPX4D	IPX4D	IPX4D	IPX4D
External dimensions	mm	(L)420X(W)320X(H)720		(L)420X(W)340X(H)720		

Note: All above specification is for reference only, apply base on product itself.

D

D series Gas boiler

Sectionalization burner technology, more gas saving

- With two heat exchanger structure, higher heat exchange efficiency.
- Less scale, safe to use.
- Large fashionable touch screen, easy operation.
- Intelligent sectionalization burner, more energy saving.



D series
Two heat
exchanger
model



D series
Intelligent
sectionalization
burner model



Technical data

		L1PB20-D8	L1PB26-D8	L1PB32-D8	L1PB36-D8	L1PB40-D8
Power						
Max heating rated heat load	kW	20.0	26.4	31.5	36.0	40.0
Min heating rated heat load	kW	7.0	9.2	11.0	12.6	14.0
Max heating rated heat output	kW	18.0	23.6	28.0	32.0	35.6
Min heating rated heat output	kW	6.0	7.6	9.2	10.6	11.6
Domestic hot water rated heat load	kW	20.0	26.4	31.5	36.0	40.0
Efficiency						
Energy efficiency rate	-	Class 2	Class 2	Class 2	Class 2	Class 2
Technical data						
Gas consumption of heating capacity(NG)	m ³ /h	2.12	2.79	3.33	3.81	4.23
Anti-freeze system start temperature	°C	5	5	5	5	5
Min hot water output capacity	kg/min	2.5	2.5	2.5	2.5	2.5
Max water pressure of heating system	MPa	0.3	0.3	0.3	0.3	0.3
Water pressure of domestic hot water	MPa	0.02~0.8	0.02~0.8	0.02~0.8	0.02~0.8	0.02~0.8
Expansion tank capacity	L	6	6	8	8	8
Preset pressure of expansion tank	MPa	0.1	0.1	0.1	0.1	0.1
Rated gas pressure (NG)	kPa	2.0	2.0	2.0	2.0	2.0
Gas pressure range (NG)	kPa	1.5~3.0	1.5~3.0	1.5~3.0	1.5~3.0	1.5~3.0
Performance						
Heating temperature setting range	°C	30~80	30~80	30~80	30~80	30~80
Domestic hot water temperature setting range	°C	30~60	30~60	30~60	30~60	30~60
Hot water production capacity (Δt=25K)	kg/min	10.2	13.4	16.0	18.3	20.4
Hot water production capacity (Δt=30K)	kg/min	8.3	10.8	13.3	14.8	16.7
Circuit part						
Rated power capacity	W	80/100	100/120	110/130	130/150	130/150
Electrical power supply voltage	-	220V~ 50Hz	220V~ 50Hz	220V~ 50Hz	220V~ 50Hz	220V~ 50Hz
Electric shock protection type	-	Class I	Class I	Class I	Class I	Class I
Degree Of protection Against Humidity	-	IPX4D	IPX4D	IPX4D	IPX4D	IPX4D
External dimensions	mm	(L)420X(W)320X(H)720		(L)420X(W)340X(H)720		

Note: All above specification is for reference only, apply base on product itself.

E

E series Gas boiler

- Classic button design, easy to operate.
- Multiple security protection, safe and secure.
- Dynamic temperature display, easy to operate.



本集团已通过质量、环境、职业健康安全认证



E series



Technical data

		L1PB20-E8	L1PB26-E8	L1PB32-E8	L1PB36-E8	L1PB40-E8
Power						
Max heating rated heat load	kW	20.0	26.4	31.5	36.0	40.0
Min heating rated heat load	kW	7.0	9.2	11.0	12.6	14.0
Max heating rated heat output	kW	18.0	23.6	28.0	32.0	35.6
Min heating rated heat output	kW	6.0	7.6	9.2	10.6	11.6
Domestic hot water rated heat load	kW	20.0	26.4	31.5	36.0	40.0
Efficiency						
Energy efficiency rate	-	Class 2	Class 2	Class 2	Class 2	Class 2
Technical data						
Gas consumption of heating capacity(NG)	m ³ /h	2.12	2.79	3.33	3.81	4.23
Anti-freeze system start temperature	°C	5	5	5	5	5
Min hot water output capacity	kg/min	2.5	2.5	2.5	2.5	2.5
Max water pressure of heating system	MPa	0.3	0.3	0.3	0.3	0.3
Water pressure of domestic hot water	MPa	0.02~0.8	0.02~0.8	0.02~0.8	0.02~0.8	0.02~0.8
Expansion tank capacity	L	6	6	8	8	8
Preset pressure of expansion tank	MPa	0.1	0.1	0.1	0.1	0.1
Rated gas pressure (NG)	kPa	2.0	2.0	2.0	2.0	2.0
Gas pressure range (NG)	kPa	1.5~3.0	1.5~3.0	1.5~3.0	1.5~3.0	1.5~3.0
Performance						
Heating temperature setting range	°C	30~80	30~80	30~80	30~80	30~80
Domestic hot water temperature setting range	°C	30~60	30~60	30~60	30~60	30~60
Hot water production capacity (Δt=25K)	kg/min	10.2	13.4	16.0	18.3	20.4
Hot water production capacity (Δt=30K)	kg/min	8.3	10.8	13.3	14.8	16.7
Circuit part						
Rated power capacity	W	80/100	100/120	110/130	130/150	130/150
Electrical power supply voltage	-	220V~ 50Hz	220V~ 50Hz	220V~ 50Hz	220V~ 50Hz	220V~ 50Hz
Electric shock protection type	-	Class I	Class I	Class I	Class I	Class I
Degree Of protection Against Humidity	-	IPX4D	IPX4D	IPX4D	IPX4D	IPX4D
External dimensions	mm	(L)420X(W)320X(H)720		(L)420X(W)340X(H)720		

Note: All above specification is for reference only, apply base on product itself.

S

S Series Gas boiler



- LCD press button.
- Claasic Design.
- Multiple Security Protections.
- DC Fan can be adapt with intense weathering, and unstable voltages.
- Dynamic temperature display.



本组织已通过质量、环境、职业健康体系认证

S Series



S Series



■ Technical data

		L1PB20-S8	L1PB26-S8	L1PB32-S8	L1PB36-S8	L1PB40-S8
Power						
Max heating rated heat load	kW	20.0	26.4	31.5	36.0	40.0
Min heating rated heat load	kW	7.0	9.2	11.0	12.6	14.0
Max heating rated heat output	kW	18.0	23.6	28.0	32.0	35.6
Min heating rated heat output	kW	6.0	7.6	9.2	10.6	11.6
Domestic hot water rated heat load	kW	20.0	26.4	31.5	36.0	40.0
Efficiency						
Energy efficiency rate	-	Class 2	Class 2	Class 2	Class 2	Class 2
Technical data						
Gas consumption of heating capacity(NG)	m ³ /h	2.12	2.79	3.33	3.81	4.23
Anti-freeze system start temperature	°C	5	5	5	5	5
Min hot water output capacity	kg/min	2.5	2.5	2.5	2.5	2.5
Max water pressure of heating system	MPa	0.3	0.3	0.3	0.3	0.3
Water pressure of domestic hot water	MPa	0.02~0.8	0.02~0.8	0.02~0.8	0.02~0.8	0.02~0.8
Expansion tank capacity	L	6	6	8	8	8
Preset pressure of expansion tank	MPa	0.1	0.1	0.1	0.1	0.1
Rated gas pressure (NG)	kPa	2.0	2.0	2.0	2.0	2.0
Gas pressure range (NG)	kPa	1.5~3.0	1.5~3.0	1.5~3.0	1.5~3.0	1.5~3.0
Performance						
Heating temperature setting range	°C	30~80	30~80	30~80	30~80	30~80
Domestic hot water temperature setting range	°C	30~60	30~60	30~60	30~60	30~60
Hot water production capacity (Δt=25K)	kg/min	10.2	13.4	16.0	18.3	20.4
Hot water production capacity (Δt=30K)	kg/min	8.3	10.8	13.3	14.8	16.7
Circuit part						
Rated power capacity	W	80/100	100/120	110/130	130/150	130/150
Electrical power supply voltage	-	220V~ 50Hz	220V~ 50Hz	220V~ 50Hz	220V~ 50Hz	220V~ 50Hz
Electric shock protection type	-	Class I	Class I	Class I	Class I	Class I
Degree Of protection Against Humidity	-	IPX4D	IPX4D	IPX4D	IPX4D	IPX4D
External dimensions	mm	(L)420X(W)320X(H)720		(L)420X(W)340X(H)720		

Note: All above specification is for reference only, apply base on product itself.

U

U series Gas boiler

● Big power, can meet the needs of villas.

● With two heat exchanger structure, higher heat exchanger efficiency.

● Less scale, safe to use.

● Wi-Fi remote control, give you a free life.



U series



Technical data

		L1PB20-U8	L1PB26-U8	L1PB32-U8	L1PB36-U8	L1PB40-U8	N1PB50-U8
Power							
Max heating rated heat load	kW	20.0	26.4	31.5	36.0	40.0	50.0
Min heating rated heat load	kW	7.0	9.2	11.0	12.6	14.0	19.0
Max heating rated heat output	kW	18.0	23.6	28.0	32.0	35.6	44.5
Min heating rated heat output	kW	6.0	7.6	9.2	10.6	11.6	16.2
Domestic hot water rated heat load	kW	20.0	26.4	31.5	36.0	40.0	---
Efficiency							
Energy efficiency rate	-	Class 2	Class 2	Class 2	Class 2	Class 2	Class 2
Technical data							
Gas consumption of heating capacity(NG)	m ³ /h	2.12	2.79	3.33	3.81	4.23	5.29
Anti-freeze system start temperature	°C	5	5	5	5	5	5
Min hot water output capacity	kg/min	2.5	2.5	2.5	2.5	2.5	---
Max water pressure of heating system	MPa	0.3	0.3	0.3	0.3	0.3	0.3
Water pressure of domestic hot water	MPa	0.02~0.8	0.02~0.8	0.02~0.8	0.02~0.8	0.02~0.8	---
Expansion tank capacity	L	6	6	8	8	8	12
Preset pressure of expansion tank	MPa	0.1	0.1	0.1	0.1	0.1	0.1
Rated gas pressure (NG)	kPa	2.0	2.0	2.0	2.0	2.0	2.0
Gas pressure range (NG)	kPa	1.5~3.0	1.5~3.0	1.5~3.0	1.5~3.0	1.5~3.0	1.5~3.0
Performance							
Heating temperature setting range	°C	30~80	30~80	30~80	30~80	30~80	30~80
Domestic hot water temperature setting range	°C	30~60	30~60	30~60	30~60	30~60	---
Hot water production capacity (Δt=25K)	kg/min	10.2	13.4	16.0	18.3	20.4	---
Hot water production capacity (Δt=30K)	kg/min	8.3	10.8	13.3	14.8	16.7	---
Circuit part							
Rated power capacity	W	80/100	100/120	110/130	130/150	130/150	150
Electrical power supply voltage	-	220V~ 50Hz	220V~ 50Hz	220V~ 50Hz	220V~ 50Hz	220V~ 50Hz	220V~ 50Hz
Electric shock protection type	-	Class I	Class I	Class I	Class I	Class I	Class I
Degree Of protection Against Humidity	-	IPX4D	IPX4D	IPX4D	IPX4D	IPX4D	IPX4D
External dimensions	mm	(L)420X(W)320X(H)720		(L)420X(W)340X(H)720		(L)480X(W)345X(H)830	

Note: All above specification is for reference only, apply base on product itself.

H

H series
Gas boiler

- Classic button design, easy to operate.

- Multiple security protection, safe and secure.

- Dynamic temperature display, easy to operate.

- Small and mini size, ingenuity and wisdom.

- Frequency conversion technology, gas and electricity saving.

- Dynamic temperature display, easy to operate



Gem style



Mini style

H series



H series



■ Technical data

L1PB12-H8 L1PB16-H8 L1PB20-H8 L1PB26-H8 L1PB32-H8 L1PB36-H8 L1PB40-H8

Power

Max heating rated heat load	kW	12.2	16.7	20.0	26.4	31.5	36.0	40.0
Min heating rated heat load	kW	3.7	5.0	7.0	9.2	11.0	12.6	14.0
Max heating rated heat output	kW	11.0	15.0	18.0	23.6	28.0	32.0	35.6
Min heating rated heat output	kW	3.2	4.4	6.0	7.6	9.2	10.6	11.6
Domestic hot water rated heat load	kW	12.2	16.7	20.0	26.4	31.5	36.0	40.0

Efficiency

Energy efficiency rate	-	Class 2	Class 2	Class 2	Class 2	Class 2	Class 2	Class 2
------------------------	---	---------	---------	---------	---------	---------	---------	---------

Technical data

Gas consumption of heating capacity(NG)	m ³ /h	1.29	1.76	2.12	2.79	3.33	3.81	4.23
Anti-freeze system start temperature	°C	5	5	5	5	5	5	5
Min hot water output capacity	kg/min	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Max water pressure of heating system	MPa	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Water pressure of domestic hot water	MPa	0.02~0.8	0.02~0.8	0.02~0.8	0.02~0.8	0.02~0.8	0.02~0.8	0.02~0.8
Expansion tank capacity	L	5	5	6	6	8	8	8
Preset pressure of expansion tank	MPa	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Rated gas pressure (NG)	kPa	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Gas pressure range (NG)	kPa	1.5~3.0	1.5~3.0	1.5~3.0	1.5~3.0	1.5~3.0	1.5~3.0	1.5~3.0

Performance

Heating temperature setting range	°C	30~80	30~80	30~80	30~80	30~80	30~80	30~80
Domestic hot water temperature setting range	°C	30~60	30~60	30~60	30~60	30~60	30~60	30~60
Hot water production capacity (Δt=25K)	kg/min	6.3	8.6	10.2	13.4	16.0	18.3	20.4
Hot water production capacity (Δt=30K)	kg/min	5.3	7.2	8.3	10.8	13.3	14.8	16.7

Circuit part

Rated power capacity	W	80/100	80/100	80/100	100/120	110/130	130/150	130/150
Electrical power supply voltage	-	220V~ 50Hz	220V~ 50Hz	220V~ 50Hz	220V~ 50Hz	220V~ 50Hz	220V~ 50Hz	220V~ 50Hz
Electric shock protection type	-	Class I	Class I	Class I	Class I	Class I	Class I	Class I
Degree Of protection Against Humidity	-	IPX4D	IPX4D	IPX4D	IPX4D	IPX4D	IPX4D	IPX4D
External dimensions	mm	(L)420X(W)320X(H)720			Gem style		(L)420X(W)340X(H)720	
		(L)400X(W)250X(H)660			Mini style			

Note: All above specification is for reference only, apply base on product itself.

R

R series
Gas boiler

● Classic button design, easy to operate.

● Multiple security protection, safe and secure.

● Dynamic temperature display, easy to operate.



本组织已通过质量、环境、职业健康安全体系认证

R series



Technical data

		L1PB20-R8	L1PB26-R8	L1PB32-R8	L1PB36-R8	L1PB40-R8
Power						
Max heating rated heat load	kW	20.0	26.4	31.5	36.0	40.0
Min heating rated heat load	kW	7.0	9.2	11.0	12.6	14.0
Max heating rated heat output	kW	18.0	23.6	28.0	32.0	35.6
Min heating rated heat output	kW	6.0	7.6	9.2	10.6	11.6
Domestic hot water rated heat load	kW	20.0	26.4	31.5	36.0	40.0
Efficiency						
Energy efficiency rate	-	Class 2	Class 2	Class 2	Class 2	Class 2
Technical data						
Gas consumption of heating capacity(NG)	m ³ /h	2.12	2.79	3.33	3.81	4.23
Anti-freeze system start temperature	°C	5	5	5	5	5
Min hot water output capacity	kg/min	2.5	2.5	2.5	2.5	2.5
Max water pressure of heating system	MPa	0.3	0.3	0.3	0.3	0.3
Water pressure of domestic hot water	MPa	0.02~0.8	0.02~0.8	0.02~0.8	0.02~0.8	0.02~0.8
Expansion tank capacity	L	6	6	8	8	8
Preset pressure of expansion tank	MPa	0.1	0.1	0.1	0.1	0.1
Rated gas pressure (NG)	kPa	2.0	2.0	2.0	2.0	2.0
Gas pressure range (NG)	kPa	1.5~3.0	1.5~3.0	1.5~3.0	1.5~3.0	1.5~3.0
Performance						
Heating temperature setting range	°C	30~80	30~80	30~80	30~80	30~80
Domestic hot water temperature setting range	°C	30~60	30~60	30~60	30~60	30~60
Hot water production capacity (Δt=25K)	kg/min	10.2	13.4	16.0	18.3	20.4
Hot water production capacity (Δt=30K)	kg/min	8.3	10.8	13.3	14.8	16.7
Circuit part						
Rated power capacity	W	80/100	100/120	110/130	130/150	130/150
Electrical power supply voltage	-	220V~ 50Hz	220V~ 50Hz	220V~ 50Hz	220V~ 50Hz	220V~ 50Hz
Electric shock protection type	-	Class I	Class I	Class I	Class I	Class I
Degree Of protection Against Humidity	-	IPX4D	IPX4D	IPX4D	IPX4D	IPX4D
External dimensions	mm	(L)420X(W)320X(H)720		(L)420X(W)340X(H)720		

Note: All above specification is for reference only, apply base on product itself.

N

N series Gas boiler

● Big power, can meet the needs of villas.

● With two heat exchanger structure, higher heat exchanger efficiency.

● Large colorful screen display, touch control, simple and easy.

● Wi-Fi remote control, give you a free life.



N series



Technical data

		L1PB20-N8	L1PB26-N8	L1PB32-N8	L1PB36-N8	L1PB40-N8	N1PB50-N8
Power							
Max heating rated heat load	kW	20.0	26.4	31.5	36.0	40.0	50.0
Min heating rated heat load	kW	7.0	9.2	11.0	12.6	14.0	19.0
Max heating rated heat output	kW	18.0	23.6	28.0	32.0	35.6	44.5
Min heating rated heat output	kW	6.0	7.6	9.2	10.6	11.6	16.2
Domestic hot water rated heat load	kW	20.0	26.4	31.5	36.0	40.0	---
Efficiency							
Energy efficiency rate	-	Class 2	Class 2	Class 2	Class 2	Class 2	Class 2
Technical data							
Gas consumption of heating capacity(NG)	m ³ /h	2.12	2.79	3.33	3.81	4.23	5.29
Anti-freeze system start temperature	°C	5	5	5	5	5	5
Min hot water output capacity	kg/min	2.5	2.5	2.5	2.5	2.5	---
Max water pressure of heating system	MPa	0.3	0.3	0.3	0.3	0.3	0.3
Water pressure of domestic hot water	MPa	0.02~0.8	0.02~0.8	0.02~0.8	0.02~0.8	0.02~0.8	---
Expansion tank capacity	L	6	6	8	8	8	12
Preset pressure of expansion tank	MPa	0.1	0.1	0.1	0.1	0.1	0.1
Rated gas pressure (NG)	kPa	2.0	2.0	2.0	2.0	2.0	2.0
Gas pressure range (NG)	kPa	1.5~3.0	1.5~3.0	1.5~3.0	1.5~3.0	1.5~3.0	1.5~3.0
Performance							
Heating temperature setting range	°C	30~80	30~80	30~80	30~80	30~80	30~80
Domestic hot water temperature setting range	°C	30~60	30~60	30~60	30~60	30~60	---
Hot water production capacity (Δt=25K)	kg/min	10.2	13.4	16.0	18.3	20.4	---
Hot water production capacity (Δt=30K)	kg/min	8.3	10.8	13.3	14.8	16.7	---
Circuit part							
Rated power capacity	W	80/100	100/120	110/130	130/150	130/150	150
Electrical power supply voltage	-	220V~ 50Hz	220V~ 50Hz	220V~ 50Hz	220V~ 50Hz	220V~ 50Hz	220V~ 50Hz
Electric shock protection type	-	Class I	Class I	Class I	Class I	Class I	Class I
Degree Of protection Against Humidity	-	IPX4D	IPX4D	IPX4D	IPX4D	IPX4D	IPX4D
External dimensions	mm	(L)420X(W)320X(H)720		(L)420X(W)340X(H)720		(L)480X(W)345X(H)830	

Note: All above specification is for reference only, apply base on product itself.

G

G series Gas boiler

- Big power, can meet the needs of villas.
- With two heat exchanger structure, higher heat exchanger efficiency.
- Less scale, safe to use.



G series



■ Technical data

		L1PB20-G8	L1PB26-G8	L1PB32-G8	L1PB36-G8	L1PB40-G8	L1PB50-G8
Power							
Max heating rated heat load	kW	20.0	26.4	31.5	36.0	40.0	50.0
Min heating rated heat load	kW	7.0	9.2	11.0	12.6	14.0	19.0
Max heating rated heat output	kW	18.0	23.6	28.0	32.0	35.6	44.5
Min heating rated heat output	kW	6.0	7.6	9.2	10.6	11.6	16.2
Domestic hot water rated heat load	kW	20.0	26.4	31.5	36.0	40.0	---
Efficiency							
Energy efficiency rate	-	Class 2	Class 2	Class 2	Class 2	Class 2	Class 2
Technical data							
Gas consumption of heating capacity(NG)	m ³ /h	2.12	2.79	3.33	3.81	4.23	5.29
Anti-freeze system start temperature	°C	5	5	5	5	5	5
Min hot water output capacity	kg/min	2.5	2.5	2.5	2.5	2.5	---
Max water pressure of heating system	MPa	0.3	0.3	0.3	0.3	0.3	0.3
Water pressure of domestic hot water	MPa	0.02~0.8	0.02~0.8	0.02~0.8	0.02~0.8	0.02~0.8	---
Expansion tank capacity	L	6	6	8	8	8	12
Preset pressure of expansion tank	MPa	0.1	0.1	0.1	0.1	0.1	0.1
Rated gas pressure (NG)	kPa	2.0	2.0	2.0	2.0	2.0	2.0
Gas pressure range (NG)	kPa	1.5~3.0	1.5~3.0	1.5~3.0	1.5~3.0	1.5~3.0	1.5~3.0
Performance							
Heating temperature setting range	°C	30~80	30~80	30~80	30~80	30~80	30~80
Domestic hot water temperature setting range	°C	30~60	30~60	30~60	30~60	30~60	---
Hot water production capacity (Δt=25K)	kg/min	10.2	13.4	16.0	18.3	20.4	---
Hot water production capacity (Δt=30K)	kg/min	8.3	10.8	13.3	14.8	16.7	---
Circuit part							
Rated power capacity	W	80/100	100/120	110/130	130/150	130/150	150
Electrical power supply voltage	-	220V~ 50Hz	220V~ 50Hz	220V~ 50Hz	220V~ 50Hz	220V~ 50Hz	220V~ 50Hz
Electric shock protection type	-	Class I	Class I	Class I	Class I	Class I	Class I
Degree Of protection Against Humidity	-	IPX4D	IPX4D	IPX4D	IPX4D	IPX4D	IPX4D
External dimensions	mm	(L)475X(W)375X(H)850				(L)540X(W)410X(H)990	

Note: All above specification is for reference only, apply base on product itself.

V

V series Gas boiler

● Big power, can meet the needs of villas.

● With two heat exchanger structure, higher heat exchanger efficiency.

● Less scale, safe to use.

● Wi-Fi remote control, give you a free life.



V series



L1PB60-V8

Technical data

Power

Max heating rated heat load	kW	60.0
Min heating rated heat load	kW	22.8
Max heating rated heat output	kW	54.0
Min heating rated heat output	kW	19.4
Domestic hot water rated heat load	kW	60.0

Efficiency

Energy efficiency rate	-	Class 2
------------------------	---	---------

Technical data

Gas consumption of heating capacity(NG)	m ³ /h	6.35
Anti-freeze system start temperature	°C	5
Min hot water output capacity	kg/min	2.5
Max water pressure of heating system	MPa	0.3
Water pressure of domestic hot water	MPa	0.02~0.8
Expansion tank capacity	L	12
Preset pressure of expansion tank	MPa	0.1
Rated gas pressure (NG)	kPa	2.0
Gas pressure range (NG)	kPa	1.5~3.0

Performance

Heating temperature setting range	°C	30~80
Domestic hot water temperature setting range	°C	30~60
Hot water production capacity (ΔT=25K)	kg/min	31.0
Hot water production capacity (ΔT=30K)	kg/min	25.8

Circuit part

Rated power capacity	W	230
Electrical power supply voltage	-	220V~ 50Hz
Electric shock protection type	-	Class I
Degree Of protection Against Humidity	-	IPX4D
External dimensions	mm	(L)600X(W)350X(H)830

Note: All above specification is for reference only, apply base on product itself.