Global Certification

AT-3117

TEST REPORT

EN 498:2012 and EN 484:2019

Specification for dedicated liquefied petroleum gas appliances and Independent stoves, including those incorporating a grill for outdoor use

Report Reference No.....:	GCT202311002-01
Tested by (name and signature).....:	May Liang
Approved by (name and signature) ..:	Davy Wei
Date of issue.....:	Apr. 25, 2024
Contents .....:	Total test report 50 pages including: Report Text: 2-26 pages Appendix A Test Result: 27-38 pages Appendix B Test sample Photos: 39-48 pages Appendix C Improvement Action: 49 pages Appendix D Revision record: 50 pages
Testing Laboratory name .....:	Global Certification and Testing Co., Ltd.
Address.....:	Room 711, One of No. 656, South Industrial Avenue Haizhu District, Guangzhou, Guangdong Province, China 510288
Testing location .....:	Same as above
Applicant's name.....:	Foshan Shunde Deyao Outdoor Metal Products Co., Ltd.
Address.....:	Room 201-1, Building 21, CIMC Intelligent Manufacturing Center, No.15 Shunye West Road, Gaozan Village, Xingtan Town, Shunde District, Foshan, China
Test Standards:	
Standard .....:	EN 498:2012. Specification for dedicated liquefied petroleum gas appliances and EN 484:2019+AC:2020: Specification for dedicated liquefied petroleum gas appliances - Independent stoves, including those incorporating a grill for outdoor use
Test item description .....:	Outdoor Gas Barbecues
Trade Mark .....:	Deyao
Model and/or type reference.....:	Refer to pages 3
Manufacturer.....:	Foshan Shunde Deyao Outdoor Metal Products Co., Ltd.
Manufacturer address.....:	Room 201-1, Building 21, CIMC Intelligent Manufacturing Center, No.15 Shunye West Road, Gaozan Village, Xingtan Town, Shunde District, Foshan, China

CONCLUSION:

The submitted samples were tested and found it was **COMPLIED** with requirement of EN 498:2012 and EN 484:2019+AC:2020 and Gas Appliance Regulation (EU)2016/426 to demonstrate the products' suitability as Categories：I3+(28-30/37), I3B/P(30) and I3B/P(50) Gas appliance.

This test report is a performance report to conduct for Europe GAR application.

The results only refer to those products tested, the details of which are contained within the main body of this report.

Test Item Particulars	
Classification of installation and use.....:	Outdoor condition use only
Supply Connection .....:	Nipple inlet connection
Possible test case verdicts	
- Test case does not apply to the test object.....:	N/A
- Test object does meet the requirement.....:	P (Pass)
- Test object does not meet the requirement .....:	F (Fail)
Testing	
Date of receipt of test item .....:	Nov.11, 2023
Date (s) of performance of tests .....:	Nov.11, 2023- Apr.20, 2024

General remarks:

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"(see remark #)" refers to a remark appended to the report.
"(see Appendix #)" refers to an appendix appended to the report.

Throughout this report a point is used as the decimal separator.

When determining the test result, the measurement uncertainty has been considered for decision rule. The statement of compliance is based on a 95% coverage probability for the expanded uncertainty.

General product information:

These models are movable outdoor gas barbecues or built in outdoor gas barbecues with or without side burner &back burner for outdoor use with same gas circuit / gas tap and main, side and back burners. just different size, burner quantity and distance for main burners.

Main burners are stainless steel tube burner with dia. 25x1.0mm wall thickness,
the distance of main burner is 150mm from five to six main burners models DY501A, DY501D, DY501B, DY501C, DY601A, DY601D,DY601B, DY601C, DY511A,DY511D,DY511B, DY511C, DY611A, DY611D, DY611B, DY611C, DYZ400A, DYZ400B and 175mm four main burners models for DY401A, DY401D, DY401B and DY401C.

Side burners with Cast iron base with brass cover for DY411A, DY411D, DY411B, DY411C, DY511A, DY511D, DY511B, DY511C, DY611A, DY611D, DY611B, DY611C

Back burner is infrared ceramic burner for DY501A, DY501D, DY501B, DY501C, DY601A, DY601D,DY601B, DY601C, DY511A,DY511D,DY511B, DY511C, DY611A, DY611D, DY611B, DY611C.

Infrared ceramic burner with cook grid with solid plate for DY001A and DY001B

Gas BBQ with or without Stainless steel trolley, stainless steel lid with or without glass windows, 304# stainless steel cooking grids and #430 flame defectors, all gas main burners and side burners were matched with manual Gas valve with piezo ignitor. Back burner was matched with manual FSD Gas valve with piezo ignitor

Built-in gas appliance was matched with four plastic legs (30mm height) and two side support brackets for DY401B, DY401C, DY501B, DY501C, DY601B, DY601C and DY411B, DY411C, DY511B, DY511C, DY611B, DY611C, DY001B.

DYZ400A, DYZ400B: Control knob and gas valve was designed on right sides and matched with built-in support table. Battery ignitor for each burner, Same construction between DYZ400A and DYZ400B.except for embedded control knob with rotation cover for DYZ400B.

DY611A, DY601A, DY611B, DY401A, DYZ400A,DYZ400B and DY001A were selected as representative testing sample to cover whole serials.

Electrical Ratings: AC230-240V, 50Hz, Class I1, IPX4,25W(12W for each of halogen light. 0.06W for each of LED light).

Technical Data for the appliance

Item	Type	Model Name	Burner type	Glass window	Burner distance(mm)	Burner Qty.	Full rate kW.hs
1	Movable Gas BBQ appliance	DY401A	SS Tube main burners+ back infrared burner W/WO side table	With	175	4+1	18.7
		DY401D		without	175	4+1	18.7
		DY501A		With	150	5+1	22.25
		DY501D		without	150	5+1	22.25
		DY601A		With	150	6+1	25.8
		DY601D		without	150	6+1	25.8
		DY411A	SS Tube main burners+ cast iron side burner+ back infrared burner W/WO side table	With	150	4+2	22.1
		DY411D		without	150	4+2	22.1
		DY511A		With	150	5+2	25.65
		DY511D		without	150	5+2	25.65
		DY611A		With	150	6+2	29.2
		DY611D		without	150	6+2	29.2
		DY001A	Infrared burner	NA	NA	1	3.85
2	Built-in gas BBQ appliance	DY401B	SS Tube main burners+ back infrared burner	With	175	4+1	18.7
		DY401C		without	175	4+1	18.7
		DY501B		With	150	5+1	22.25
		DY501C		without	150	5+1	22.25
		DY601B		With	150	6+1	25.8
		DY601C		without	150	6+1	25.8
		DY411B	SS Tube main burners+ cast iron side burner+ back infrared burner	With	150	4+2	22.1
		DY411C		without	150	4+2	22.1
		DY511B		With	150	5+2	25.65
		DY511C		without	150	5+2	25.65
		DY611B		With	150	6+2	29.2
		DY611C		without	150	6+2	29.2
		DY001B	Infrared burner	NA	NA	1	3.85
		DYZ400A	SS Tube main burners	NA	150	4	14.2
		DYZ400B	SS Tube main burners			4	14.2

Notes:
DY: factory code
DYA: DY Moveable gas BBQ appliance
DYB: DY Build-in gas BBQ appliance
01: Main burner with back infrared burner
11: Main burner with cast iron side burner/back infrared burner
4-6: 4-6 main burners

Appliance models	DY401A; DY501A; DY601A; DY401D; DY501D; DY601D; DY411A; DY511A; DY611A; DY411D; DY511D; DY611D; DY401B; DY501B; DY601B; DY401C; DY501C; DY601C; DY411B; DY511B; DY611B; DY411C; DY511C; DY611C;			
Gas categories	I3+(28-30/37)	I3B/P(30)	I3B/P(37)	I3B/P(50)
Inlet pressure	G30 butane at 28-30mbar or G31 propane at 37mbar	G30/G31 mixture at 30mbar	G30/G31 mixture at 37mbar	G30/G31 mixture at 50mbar
Test Point Pressure	29/37mbar	29mbar	37 mbar	50 mbar
Inject size	M: 0.93mm (marked 0.93)/ S(brass): 0.89mm (marked 0.89)/ B: 1.02mm (marked 1.02)		M: 0.88mm (marked:0.88) / S(brass): 0.85mm (marked 0.85) B: 0.97mm (marked 0.97)	M: 0.82mm (marked 0.82)/ S(brass): 0.79mm (marked 0.79) B: 0.92mm (marked 0.92)
Burner type	Main burner: dia. 25x1.0T, Dia.2mmx130pcs+Dia. 2.0mmx7pcs Side brass Burner with cast iron bottom: Dia.98mmx18.3mm (brass cover), dia. 2.3mm x12pcs, 2X2X7mm x70pcs +dia.2.15x14pcs+dia.1.85x14pcs middle cover; Back burner: L:467x W: 85XH: 63mm, infrared ceramic			
Aeration for main burner	Main: 16x6mm Side brass: 20x9mm Back: 30x26mm		Main: 16x4mm Side brass: 16x9mm Back: 30x26mm	Main: 16x2mm Side brass: 16x9mm Back: 30x26mm
Inlet connection	Inlet connection G 5/8-18UNF with Nozzle or cone fitted dependent on national situations.			

Appliance models	DYZ400A/ DYZ400B			
Gas categories	I3+(28-30/37)	I3B/P(30)	I3B/P(37)	I3B/P(50)
Inlet pressure	G30 butane at 28-30mbar or G31 propane at 37mbar	G30/G31 mixture at 30mbar	G30/G31 mixture at 37mbar	G30/G31 mixture at 50mbar
Test Point Pressure	29/37mbar	29mbar	37 mbar	50 mbar
Inject size	M: 0.93mm (marked 0.93)		M: 0.88mm (marked 0.88)	M: 0.82mm (marked 0.82)
Burner type	Main burner: dia. 25x1.0T, Dia.2mmx130pcs+Dia. 2.0mmx7pcs			
Aeration for main burner	Main: 15.75x10mm		Main: 15.75x4mm	Main: 15.75x2mm
Inlet connection	Inlet connection G 5/8-18UNF with Nozzle or cone fitted dependent on national situations.			

Appliance models	DY001A/ DY001B			
Gas categories	I3+(28-30/37)	I3B/P(30)	I3B/P(37)	I3B/P(50)
Inlet pressure	G30 butane at 28-30mbar or G31 propane at 37mbar	G30/G31 mixture at 30mbar	G30/G31 mixture at 37mbar	G30/G31 mixture at 50mbar
Test Point Pressure	29/37mbar	29mbar	37 mbar	50 mbar
Inject size	0.98mm: (marked 0.98)		0.94mm (marked 0.94)	0.85mm (marked 0.85)
Burner type	Infrared Burner: L:276x W: 140XH: 71mm, infrared ceramic.			
Aeration for main burner	30x26mm		30x26mm	
Inlet connection	Inlet connection G 5/8-18UNF with Nozzle or cone fitted dependent on national situations.			

Gas categories and Country of Destination

I3B/P (30)	CY, CZ, DK, EE, FI, HR, LT, NL, NO, RO SK, SI, SE, TR
I3+(28-30/37)	BE, CY, CZ, FR, GR, IE, IT, LT, PT, ES, CH, GB
I3B/P (37)	PL
I3B/P (50)	AT, CH, DE

Key gas/electrical components fitted to the appliance.

Controls fitted to the appliance	Model	Type	Supplier	Working Temperature range	Certificate/ Test Report
DY411A; DY511A; DY611A; DY411D; DY511D; DY611D; DY411B; DY511B; DY611B; DY411C; DY511C; DY611C;	KI100	Main valve	Guangdong Kaitsu Intelligent Electric Co., Ltd	'-20°C ~ +120°C	No. 2531-GAR-CGC10967
	KI100B	Side valve			
	KS201B	Back valve			No. 2531-GAR-CGC10966
	GL1	Main valve	GuangDong GDA Valve Technology Co., Ltd	-0°C ~ +120°C	ITS-2575-GAR-2128706-R4
	GL1B	Side valve			
	GS19	Back valve		-20°C ~ +120°C	ITS-2575-GAR-2232516-R2

Controls fitted to the appliance	Model	Type	Supplier	Working Temperature range	Certificate/ Test Report
DY401A; DY501A; DY601A; DY401D; DY501D; DY601D; DY401B; DY501B; DY601B; DY401C; DY501C; DY601C;	KI100	Main valve	Guangdong Kaitsu Intelligent Electric Co., Ltd	-20°C ~ +120°C	2531-GAR-CGC10967
	KS201B	Back valve			2531-GAR-CGC10966
	GL1	Main valve	GuangDong GDA Valve Technology Co., Ltd	-0°C ~ +120°C	ITS-2575-GAR-2128706-R4
	GS19	Back valve		-20°C ~ +120°C	ITS-2575-GAR-2232516-R2

Controls fitted to the appliance	Model	Type	Supplier	Working Temperature range	Certificate/ Test Report
DYZ400A/ DYZ400B	GK11	Main valve	Jiangmen Guolong Precision Valve Co., Ltd.	-20°C ~ +150°C	IMQ: NO. 51DO5111
	NB500A4	Battery ignitor	Norben Electronic technology (NB)., Ltd	120C Max.	CE:170600295 HZH-V1

Controls fitted to the appliance	Model	Type	Supplier	Working Temperature range	Certificate/ Test Report
DY001A/ DY001B	KI100B	Main valve	Guangdong Kaitsu Intelligent Electric Co., Ltd	-20°C ~ +120°C	No. 2531-GAR-CGC10967
	GL1B		GuangDong GDA Valve Technology Co., Ltd	-0°C ~ +120°C	ITS-2575-GAR-2128706-R4

General Conditions:

Ambient Temperature	18.2°C -23.6°C	Atmospheric Pressure	100.4-101.9 kPa

EN 498:2012					
Key to Test Sheets:	**P=Pass**	**NA = Not Applicable**	**NT = Not Tested**	**F=Fail**	**-= For information**

Clause	**Requirement – Test**	**Result – Remark**	**Verdict**
SECTION 1 Scope			
1	Scope	Movable or built-in gas appliance	P
SECTION 2 Normative references			--
SECTION 3 Terms and definitions			--
SECTION 4 Classification			
4.1	Classification of gases used	Third family, grouping liquefied petroleum gases	P
4.2	Classification of appliances	I3+(28-30/37), I3B/P (30), I3B/P (37) and I3B/P (50)	NA
SECTION 5 Constructional requirements			
5.1	Operating with different gases	Only LPG supply, Normal supply conditions	P
5.2.	Materials	Not present any alteration caused by mechanical, chemical and thermal effects. Stainless steel or Metallic parts with corrosion-resistant coating Elastomeric material shall comply with EN 549:2019 1) GK11 gas valve: class B2 H3 (2022 09. 21, test report:220725032GZU-001 2) KI and KS serial gas valve: class B2 H3, test report:GZMR230601571601, 2023 Jun. 28 No Sharp borders and edge No asbestos Food contact material comply to EC regulation N°1935/2004; Refer to test report: 1) 304# Cook grids: 1002164765, 2023 Dec. 21, LFGB 30/31. UL 2) 304# Solid plate:1002164765, 2023 Dec. 21, LFGB 30/31. UL	P
5.3	Ease of cleaning	Easily accessible without having to use a tool for dismantling. No Sharp corners and edges which could give rise to injury. glass components were inserted in lid, no sharp It is Not possible for the spillage of cooking juices again the hose, gas cylinder, the connection tube and the parts of the gas circuit.	P

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Clause	**Requirement – Test**	**Result – Remark**	**Verdict**
		Falling of cooking products do not impair the safety of operation. Powder coating withstands the heat	
5.4	Strength		
5.4.1	General	No impair its good performance	P
5.4.2	Characteristics of glass panels	After test, withstand the various stresses and without damage. not cause any fracture or any permanent distortion	P
5.5	Assembly	factory assembled. assemble the components of a barbecue easily and correctly in following the instructions	P
5.6	Stability		
5.6.1	Stability of the appliance on a horizontal plane	No falling over; No loose or moving in such a way that its operation is impaired; The lid was not falling accidentally from their raised position. No foldable support	P
5.6.2	Stability of the appliance placed on a slope	not fall over and the lid and gas cylinders didn't fall accidentally.	P
5.7	Soundness of the gas circuit assembly	No cross gas ways soundness in the threads. thread sealing compounds for injector remain sound after five disconnections and re-connections	P
5.8	connections	connect the appliance easily and safely nipple connection, Types of connection used in various countries per A3 allow the free movement of a flexible hose connection.	P
5.9	Locking of wheels and castors	Two locked castors.	P
5.10	Taps		
5.10.1	General	Each burner shall be controlled by a tap. no damage in normal use their manipulation shall remain easy. no accidental movement relative to the gas supply circuit	P

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Clause	**Requirement – Test**	**Result – Remark**	**Verdict**
5.10.2	Taps with marked positions	two stops, one in the "off" position and one at the end of the tap travel. reduced rate may be obtained at the end of the tap travel marked positions on control panel	P
5.10.3	Taps with variable positions	No needle valve, CE Certified plug taps to comply with EN 1106:2010 and EN 126:2012	P
5.11	Control handles		
5.11.1	Construction	Burner is controlled by each control handle. Control handle with different markings on control panel the closing direction shall be clockwise. not cause inadvertent movement of the appliance.	P
5.11.2	Marking		
5.11.2.1	Taps with marked positions	The closed, open and reduced rate positions were marked in a visible, legible and durable fashion.	P
5.11.2.2	Taps with variable positions	No variable positions	NA
5.12	Injectors	accessible, not be detachable and outlet orifice was fixed. Size is identification	P
5.13	Ignition devices	gas valve with piezo ignition device, rapid and safe ignition. The relative positions of the ignition device were fixed to ensure correct operation of the assembly. the relative position of the control handles of burners and of the igniter shall not give rise to any confusion. cross lighting device allowing the cross lighting between all burners. The match was also noted for ignition on manual.	P
5.14	Flame supervision devices	FSD were attached with back burner to falls within in the scope of EN 125 cut off automatically. discharge of un-burnt gases which could accumulate under the burners	P
5.15	Burners	cannot move inadvertently in use or during	P

EN 498:2012					
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Clause	**Requirement – Test**	**Result – Remark**	**Verdict**
		the movement of the appliance. accessible without dismantling, screw fixed. no move unintentionally. No possible to reassemble removable burner parts incorrectly. Cross lighting devices shall have a fixed position in relation to the burners. a match was used in an easy and safe fashion,	
5.16	Grid	not be more than 2 cm apart：12mm without deterioration Grids shall be detachable	P
5.17	Turnspits	Rotisserie was adjusted and provided with moveable handle. detachable handle greater than 80 mm two handles several adjustable and lockable devices. turnspit is stable on its supports	P
5.18	Appliance incorporating a gas container	compartment to receive a refillable gas container. the upper section is more than 1/100 of the base area. the opening at the base is 1/50 of the base area of the compartment. sufficient mechanical strength to resist deformation. gas cylinder (or cylinders) can be easily inserted in, or removed gas cylinder valve is easily accessible and remains easy to manipulate. not come into contact with sharp edges	P
5.19	Durability of markings	markings are still visible and legible after the test	P
5.20	Auxiliary energy	No Auxiliary energy	NA
5.20	Resistance to liquid spillage	The burners weren't extinguished	P
6	Performance requirements		
6.1	Soundness	Not exceed 0.07L/h, Refer to appendix A	P
6.2	Verification of heat inputs		
6.2.1	Verification of the nominal heat input	± 8 % or ± 10 % (Injector less than 0.5mm) Refer to appendix A	P

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Clause	**Requirement – Test**	**Result – Remark**	**Verdict**
6.2.2	Verification of full heat input	not be less than 90 %. Refer to appendix A	P
6.3	Flame supervision devices	the ignition delay time shall not exceed 20 s (Measured: 5-12S) The extinction delay time shall not exceed 60 s. (Measured: 25-50S)	P
6.4	Safety of operation		
6.4.1	Ignition, cross lighting		
6.4.1.1	Ignition	occur smoothly within 5 s	P
6.4.1.2	Crosslighting	Cross lighting within 15 s if an immediately adjacent burner is already operating in the same enclosure (open or closed).	P
6.4.2	Flame stability	stable within 60 s after ignition, Refer to appendix A no extinction or light back.	P
6.4.3	Resistance to draught	No permanently light back under the action of a 3 m/s wind. Back burner was extinguished. with FSD. Other models: Kept burning, no permanently light back	P
6.4.4	Resistance to overheating	no deterioration likely to impair their operation	P
6.4.5	Soundness of burner parts	No leakage of any flammable quantity of air/gas mixture at the joints of the assembly	P
6.5	Temperatures	Refer to appendix A	P
6.6	Overheating of the gas container	no rise in vapour pressure inside the cylinder	P
6.7	Combustion	Less than 0.2%, Refer to appendix A.	P
6.8	Sooting	No deposit of soot.	P
7	Test methods		
7.1	General		
7.1.1	Test gases	The test gas was according to EN 437	P
7.1.2	Test pressures	The test gas was according to EN 437	P
7.1.3	Test procedures	(20 ± 5) °C reduced rate position was fixed	P
7.1.4	Preparation of the appliance	Installed and adjusted according to the instructions	P
7.2	Verification of constructional requirements	Inspection of the appliance and its technical documentation.	P
7.2.1	Conversion to different gases	only LPG. No Conversion to different gases	NA
7.2.2	Materials	visual examination. Gas valve, rubber seal, and corrugated metal tube	P
7.2.3	Ease of cleaning	Visual and mechanical examination	P
7.2.4	Strength		
7.2.4.1	General	No any permanent distortion	P
7.2.4.2	Characteristics of glass panels		

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Clause	**Requirement – Test**	**Result – Remark**	**Verdict**
7.2.4.2.1	Resistance to impact	the temperature of the test room a 15-min operation, maximum opening, then it is dropped	P
7.2.4.2.2	Resistance to thermal shock	After a 15-min operation, 50 ml of water. No broken	P
7.2.5	Assembly	Visual and mechanical examination	P
7.2.6	Stability of the appliance		
7.2.6.1	General	cooking devices supplied as extras in the instructions for use gas container is incorporated in the appliance	P
7.2.6.2	Stability of the appliance on a horizontal surface	distributed load of 0,5 kg/dm2 of useful surface and the load specified in 7.2.17 for the turnspit	P
7.2.6.3	Stability of the appliance on an inclined plane	The grid with a 0,5 kg/dm2, load on the useful surface of the turnspit loaded as indicated in 7.2.17 and the lid, if applicable, are placed in the most unfavourable position a slope of 10 ° to the horizontal	P
7.2.7	Soundness of the gas circuit assembly	Visual and mechanical examination	P
7.2.8	Connections	visual and dimensional examination	P
7.2.9	Locking of wheels and castors	visual examination and activation	P
7.2.10	Taps	visual and mechanical examination	P
7.2.11	Control handles	visual, dimensional and mechanical examination.	P
7.2.12	Injectors	visual examination.	P
7.2.13	Ignition devices	visual examination.	P
7.2.14	Flame supervision devices	Back burner with FSD, visual examination.	P
7.2.15	Burners	Visual and mechanical examination	P
7.2.16	Grid	An evenly distributed load of 0,5 kg/dm2	P
7.2.17	Turnspit	A load of 0,5 kg/(100 mm) of useful length	P
7.2.18	Appliances incorporating a gas container	Visual and mechanical examination	P
7.2.19	Durability of markings	Visual examination carried out at the end of all the tests	P
7.2.20	Auxiliary energy		NA
7.3	Verification of the performance characteristics		
7.3.1	Soundness	150 mbar, before and after test. — Firstly on delivery of the appliance — after five disconnections and re-connections of removable components — after having carried out the tests required by this standard.	P
7.3.2	Verification of the nominal heat	operation for 15 min, (the measurement starts	P

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Clause	**Requirement – Test**	**Result – Remark**	**Verdict**
	input	at the end of the fifteenth minute and finishes at the end of the thirtieth minute	
7.3.3	Flame supervision device	the reference gas at the normal test pressure Ignition delay time is verified either at full rate or at the position indicated for ignition in the instructions Extinction delay time is verified after the appliance has been in operation for 15 min at full rate Refer to Appendix A	P
7.3.4	Safety of operation		
7.3.4.1	Ignition, cross lighting		
7.3.4.1.1	Ignition	verified separately for each burner when the appliance. under the conditions indicated in Table 5. Depending on the appliance category, the corresponding test pressures are given in Table 4. Refer to appendix A.	p
7.3.4.1.2	Cross lighting	supplying conditions of Table 5 Refer to appendix A.	P
7.3.4.2	Flame stability	verified for each burner separately. the appliance is supplied under the conditions indicated in Table 6 the corresponding test pressures are given in Table 4 Refer to appendix A.	P
7.3.4.3	Draught resistance	flame lift limit gas at the normal test pressure 15 min at full rate, substantially laminar draught of 3 m/s Back burner extinguished with FSD. Other burners: Kept burning, no permanently light back	P
7.3.5	Temperatures		
7.3.5.1	Test installation	indicated in the instructions for use	P
7.3.5.2	Test method	reference gas at normal test pressure (see Table 4), is operated for one hour at full rate.	P
7.3.5.3	Results	Refer to appendix A.	P
7.3.6	Overheating of the gas container	All burners are supplied with one of the reference gases by a cylinder outside the appliance. filled to 4/5 of its capacity with one of the references gases; The measurement is carried out, after 1 h of operation and during the first 30 min which follow complete extinction	P
7.3.7	Combustion		
7.3.7.1	Test conditions	incomplete combustion limit gas at maximum test pressure. under test after 15 min of operation at full rate	P

EN 498:2012					
Key to Test Sheets:	**P=Pass**	**NA = Not Applicable**	**NT = Not Tested**	**F=Fail**	**-= For information**

Clause	Requirement – Test	Result – Remark	Verdict
		reduced rate position, at normal pressure all burners operating at maximum pressure in the nominal heat input position then at the normal pressure at the reduced rate position Refer to appendix A.	
7.3.7.2	Analysis of the products of combustion	a concentration of 0,005 % by volume to be detected accurately and allowing the measurement with a relative error not exceeding 6 %. Carbon dioxide is measured with a method allowing the measurement with a relative error not exceeding 6 %. Refer to appendix A.	P
7.3.8	Sooting	visual examination. No sooting	P
7.3.9	Durability of the marking	rubbed during 15 s with a water-soaked rag and then again during 15 s with a water gasoline soaked rag. The gasoline to be used is aliphatic solvent hexane with a maximum content of aromatic of 0,1 % by volume, a value of kauri-butanol of 29, an initial boiling point of approximately 65 °C, a drying point of approximately 69 °C and a specific mass of approximately 0,66 kg/l.	P
8	Marking		
8.1	Appliance marking		
	Visible, legible to the user during the operation of the appliance and durable, the official language(s) of the country - The name of the manufacturer or his identifying symbol; - The appliance name; - The total nominal heat input of all the burners expressed in kilowatts based on the gross calorific value and in grams per hour - the type of gases which may be used and the corresponding supply pressures; - the appliances category; - the type of electrical supply used, if applicable. - "Use outdoors only." - "Read the instructions before using the appliance." - "WARNING: accessible parts may be very hot. Keep young	English marking was checked only, visible, legible to the user and durable fashion, The factory claimed that they will provide other language of the country for destination. Foshan Shunde Deyao Outdoor Metal Products Co., Ltd. Outdoor Gas Grill addressed on product label (Kw and g/h) LP Gas（29/37/50mbar） I3+(28-30/37); I3B/P(30); I3B/P(50) No electrical supply *Use outdoors only *Read the instructions before using the appliance *Warning: Accessible parts may be very hot.	P P P P P NA P P P

EN 498:2012					
Key to Test Sheets:	**P=Pass**	**NA = Not Applicable**	**NT = Not Tested**	**F=Fail**	**-= For information**

Clause	Requirement – Test	Result – Remark	Verdict
	children away.".	Keep away from young children.	
8.2	Packaging marking		
	A visible and legible fashion, in the official language(s) of the country or countries in which the appliance is to be sold: —the type of gases which may be used and the corresponding supply pressures;; — the appliance category; —"Read the instructions before using the appliance"; —"Use outdoors only"..	English marking was checked only, visible, legible to the user and durable fashion, the factory claimed that they will provide other language of the country for destination. LP Gas Butane, Propane or their mixture（29/37/50mbar） I3+(28-30/37); I3B/P(30); I3B/P(50); *Read the instructions before using the appliance *Use outdoors only	P P P P P
8.3	Instructions		
9.3.2	All the information shall be given in the official language(s) of the country or countries in which the appliance is to be sold. a) The manufacturer's address (for manufacturer definition see note of 8.1); b) The conditions of assembly and dismantling and of storage of the functional section of the appliance, in particular: 1) the precautions to be taken when storing the appliance; 2) the precautions to be taken in the case of blockage of the venturi or venturis; 3) the precaution to be taken in case of humidity of refractory materials, if exist; 4) assembly diagrams, if applicable; 5) the marking of injectors. 6) special requirements for built-in appliances, in particular unit dimensions, the type of materials in contact with the appliance, the installation of the cylinder, the precautions to be taken for fixing the flexible hose which must be accessible for its entire length, protection against bad weather; c) The conditions of connection to the gas container, in particular:	English manual was checked only, the factory claimed that they will provide other language of the country for destination Refer to the manual provided from factory. (B8 serial manual was linked for this pages) On last Pages On page 2&10 On warning section of pages 2 On Cleaning the burner assembly section Only metal material for this On assembly section on technical information section On assembly section On gas cylinder section	P P P P NA P P P P

EN 498:2012					
Key to Test Sheets:	**P=Pass**	**NA = Not Applicable**	**NT = Not Tested**	**F=Fail**	**-= For information**

Clause	Requirement – Test	Result – Remark	Verdict
	—the type(s) of cylinder(s) to be used, their maximal external dimensions (regulator included) and their position(s); those information may be illustrated by a scheme as the one presented in Figure 6;;	On gas cylinder section	P
	—the type of regulator to be used indicating that it shall comply with the relevant EN standard;	On Gas Hose and Gas Regulator section	P
	— the type of flexible tube connecting the appliance to the gas container and the length recommended which shall not exceed 1,50 m;	On Gas Hose and Gas Regulator section	P
	— the routing of the flexible tube and the use of guides;	On gas cylinder section	P
	— the necessity of changing the flexible tube when the national conditions require it.	On On Gas Hose and Gas Regulator section	P
	d) The conditions of installation, in particular:		
	— the position of the connection flexible tube so as to ensure that it is not subjected to twisting.	On Gas Hose and Gas Regulator section	P
	— a warning such as “this appliance must be kept away from flammable materials”;	On front page	P
	— the necessity of not obstructing the ventilation openings of the container compartment;	On warning section	P
	— the precautions to be taken when changing the gas container which shall be carried out away from any source of ignition;	On Gas Hose and Gas Regulator section	P
	— the type of protection for the surface to be used when the support temperature exceeds 50 K.	Only non-combustible materials	P
	e) The conditions of use, in particular		
	— the usual cleaning and maintenance as well as the frequency of such tasks;	On Cleaning And Care section	P
	— the procedure in the event of gas leak (turning off the gas supply);	On warning section	P
	—the method of lighting (positions of taps, lids, etc.);	On Lighting Your Barbecue	P
	— the recommendation of the use of protective gloves when handling particularly hot components;	On warning section	P
	— a note advising that parts sealed shall not be altered by the user.	on Servicing & Spare Parts	P

EN 498:2012					
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Clause	Requirement – Test	Result – Remark	Verdict
	f) In addition, the instructions shall contain the following warnings:		
	1) “Only to be used outdoors”	On cover sheet	P
	2) “Read the instructions before using the appliance”	On cover sheet	P
	3） "WARNING: accessible parts may be very hot. Keep young children away."	On cover sheet	P
	4） “Do not move the appliance during use”	On cover sheet	P
	5） “Turn off the gas supply at the gas container after use”	On warning section	P
	g) information relating to general revision and reparations:		
	1） “Do not modify the appliances”.	On warning section	P
	2） Indication of reparation service address or the internet website giving its access.	On last page	P

EN 484:2019 +AC:2020					
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Clause	**Requirement – Test**	**Result – Remark**	**Verdict**
SECTION 1 Scope			
1	Scope	Independent stoves, no regulators	P
SECTION 2 Normative references			--
SECTION 3 Terms and definitions			--
SECTION 4 Classification			
4.1	Classification of gases used	Third family, grouping liquefied petroleum gases	P
4.2	Classification of appliances	I3+(28-30/37), I3B/P (30) and I3B/P (50)	NA
SECTION 5 Constructional requirements			
5.1	Operating with different gases	Normal supply conditions	P
5.2.	Materials	Not present any alteration caused by mechanical, chemical and thermal effects. Elastomeric material shall comply with EN 549:2019 1) GK11 gas valve: class B2 H3 ,2022 09. 21, test report:220725032GZU-001 2) KI and KS serial gas valve: class B2 H3, test report:GZMR230601571601, 2023 Jun. 28 No Sharp borders and edge No asbestos	P
5.3	Ease of cleaning and maintenance	Re-assembled easily, and in complete safety, in the correct position and without the risk of mistake. completely safe access to every control knob, button clean the appliance easily, without the use of a tool. It is Not possible for the spillage of cooking juices again the hose Spillage from vessels shall not impair the operation of the burners	P
5.4	Manipulation of grills		
5.4.1	Griddles	Gas open burner, no Griddles	NA
5.4.2	Radiant grills	Gas open burner, no Radiant grills	NA
5.5	Strength	not cause any fracture or any permanent distortion greater than 1 mm	P
5.6	Assembly	factory assembled	P
5.7	Stability		

EN 484:2019 +AC:2020					
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Clause	**Requirement – Test**	**Result – Remark**	**Verdict**
5.7.1	Stability of the appliance on a horizontal plane	No falling over; No loose or moving in such a way that its operation is impaired; The lid was not falling accidentally from their raised position. No foldable support	P
5.7.2	Stability of the appliance placed on a slope	not fall over and the lid shall not fall accidentally.	P
5.7.3	Vessel stability	remain stable, and the appliance shall not fall over	P
5.8	Construction of the gas circuit assembly	No cross gas ways soundness in the threads. thread sealing compounds for injector Elastomeric material shall comply with EN 549:2019 1) GK11 gas valve: class B2 H3 ,2022 09. 21, test report:220725032GZU-001 2) KI and KS serial gas valve: class B2 H3, test report:GZMR230601571601, 2023 Jun. 28 remain sound after five disconnections and re-connections	P
5.9	Gas connections	connect the appliance easily and safely nipple connection, Types of connection used in various countries per table 1 allow the free movement of a flexible hose connection.	P
5.10	Locking of wheels and castors	Two locked castors and two unlocked casters	P
5.11	Taps	CE Certified plug taps to comply with EN 1106:2010	P
5.12	Control handles		
5.12.1	Construction	Burner is controlled by each control handle Control handle with different markings the closing direction shall be clockwise not cause inadvertent movement of the appliance.	P
5.12.2	Marking		
5.12.2.1	Taps with marked positions	The closed, open and reduced rate positions were marked in a visible, legible and durable fashion.	P
5.12.2.2	Taps with variable positions	No variable positions	NA

EN 484:2019 +AC:2020					
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Clause	**Requirement – Test**	**Result – Remark**	**Verdict**
5.13	Injectors	accessible, not be detachable and outlet orifice was fixed. Size is identification	P
5.14	Ignition devices	gas valve with piezo ignition device, rapid and safe ignition. The relative positions of the ignition device were fixed to ensure correct operation of the assembly the relative position of the control handles of burners and of the igniter shall not give rise to any confusion cross lighting device allowing the cross lighting between all burners The match was also noted for ignition on manual.	P
5.15	Flame supervision devices	No FSD	NA
5.16	Burners	cannot move inadvertently in use or during the movement of the appliance. accessible without dismantling, screw fixed no move unintentionally. No possible to reassemble removable burner parts incorrectly	P
5.17	Appliance incorporating a gas container	compartment to receive a refillable gas container. the upper section is more than 1/100 of the base area the openings at the base is 1/50 of the base area of the compartment sufficient mechanical strength to resist deformation gas cylinder (or cylinders) can be easily inserted in, or removed gas cylinder valve is easily accessible and remains easy to manipulate. not come into contact with sharp edges	P
5.18	Durability of markings	markings are still visible and legible after the test	P
5.19	Auxiliary energy	No Auxiliary energy	NA
5.20	Resistance to liquid spillage	The burners weren't extinguished	P
6	Performance requirements		

EN 484:2019 +AC:2020					
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Clause	**Requirement – Test**	**Result – Remark**	**Verdict**
6.1	Soundness	Not exceed 0.07L/h, Refer to appendix A	P
6.2	Verification of the nominal heat input	± 8 % or ± 10 % (Injector less than 0.5mm) Refer to appendix A	P
6.3	Flame supervision devices	No FSD	NA
6.4	Safety of operation		
6.4.1	Ignition, cross lighting	occur smoothly within 5 s	P
6.4.2	Flame stability	stable within 60 s after ignition, Refer to appendix A	P
6.4.3	Resistance to draught	No permanently light back under the action of a 3 m/s wind.	P
6.4.4	Resistance to overheating	no deterioration likely to impair their operation	P
6.4.5	Soundness of burner parts	No leakage of any flammable quantity of air/gas mixture at the joints of the assembly	P
6.5	Temperature limits	Refer to appendix A	P
6.6	Overheating of the gas container	no rise in vapour pressure inside the cylinder	P
6.7	Combustion 0.15% For each of the burners operating separately and 0.2% burners are operated simultaneously	Less than 0.15%, Refer to appendix A.	P
6.8	Sooting	no deposit of soot.	P
6.9	Rational use of energy: Performance of the burners		
6.9.1	Open burners	Refer to appendix A.	P
6.9.2	Covered burners	Not cover burner	NA
6.10	Resistance to liquid spillage	burner wasn't extinguished	P
7	Test methods		
7.1	General		
7.1.1	Test gases	The test gas was according to EN 437	P
7.1.2	Test pressures	The test gas was according to EN 437	P
7.1.3	Test procedures	(20 ± 5) °C reduced rate position was fixed	P
7.1.4	Preparation of the appliance	Installed and adjusted according to the instructions.	P
7.2	Verification of constructional requirements	Inspection of the appliance and its technical documentation.	P
7.2.1	Conversion to different gases	Test gas was according to EN 437	P
7.2.2	Materials	visual examination	P
7.2.3	Ease of cleaning and maintenance	Visual and mechanical examination	P
7.2.4	Manipulation of grills		
7.2.4.1	Griddles	No griddles	NA
7.2.4.2	Radiant grills	No Radiant grills	NA

EN 484:2019 +AC:2020					
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Clause	**Requirement – Test**	**Result – Remark**	**Verdict**
7.2.5	Strength	No any permanent distortion greater than 1 mm	P
7.2.6	Assembly	Visual and mechanical examination	P
7.2.7	Stability of the appliance		
7.2.7.1	General	Pan racks gas container is incorporated in the appliance	P
7.2.7.2	Stability of the appliance on a horizontal surface	200 mm diameter with 2.8kg water, the positioning and the removal of the pan rack;	P
7.2.7.3	Test on an inclined plan	a slope of 10 ° to the horizontal	P
7.2.7.4	Verification of the stability of the cooking vessel	200 mm diameter vessel was filled with water to a height of 10 mm from the top and offset by 15 mm in the most unfavourable direction.	P
7.2.8	Soundness of the gas circuit assembly	visual examination	P
7.2.9	Connections	visual and dimensional examination	P
7.2.10	Locking of wheels and castors	visual examination and activation	P
7.2.11	Taps	visual and mechanical examination	P
7.2.12	Control handles	visual, dimensional and mechanical examination.	P
7.2.13	Injectors	visual examination.	P
7.2.14	Ignition devices	visual examination.	P
7.2.15	Flame supervision devices	Without FSD	P
7.2.16	Burners	Visual and mechanical examination	P
7.2.17	Appliances incorporating a gas container	Without a gas container	P
7.3	Verification of the performance characteristics		
7.3.1	Soundness	150 mbar, before and after test. — Firstly, on delivery of the appliance — after five disconnections and re-connections of removable components — after having carried out the tests required by this standard.	P
7.3.2	Verification of the nominal heat input	operation for 15 min, (the measurement starts at the end of the fifteenth minute and finishes at the end of the thirtieth minute	P
7.3.3	Flame supervision device	No FSD	P
7.3.4	Safety of operation		
7.3.4.1	Ignition, cross lighting	verified separately for each burner under the conditions indicated in Table 5 the corresponding test pressures are given in Table 4. Refer to appendix A.	P
7.3.4.2	Flame stability	verified separately for each burner	P

EN 484:2019 +AC:2020					
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Clause	Requirement – Test	Result – Remark	Verdict
		under the conditions indicated in Table 6 the corresponding test pressures are given in Table 4. Refer to appendix A.	
7.3.4.3	Draught resistance	flame lift limit gas at the normal test pressure 15 min at full rate, 200 mm diameter pans, substantially laminar draught of 3 m/s	P
7.3.4.4	Resistance to overheating	no deterioration likely to impair their operation	P
7.3.4.5	Soundness of burner parts	leaks from the joints of the assembly which couldn't be ignited.	P
7.3.5	Temperatures		
7.3.5.1	Test installation	Indicated in the instructions	P
7.3.5.2	Test method	Reference gas at normal test pressure 200 mm diameter pans in accordance with Figure 2 the taps are placed in the position corresponding to half the nominal rate	P
7.3.5.3	Measurements		
7.3.5.3.1	Special conditions for front and side panels	Measurements of accessible surfaces of front and side panels.	P
7.3.5.3.2	Results	Refer to appendix A.	P
7.3.6	Overheating of the gas container	at normal pressure with reference gas from a container installed as indicated in the instructions and filled full of gas No pressure rise after test.	P
7.3.7	Combustion		
7.3.7.1	Individual operation of the burners	incomplete combustion gas at maximum test pressure 220 mm diameter pan, filled with 2 kg of water at ambient temperature, under test after 15 min of operation at full rate the reduced rate at normal pressure.	P
7.3.7.2	Simultaneous operation of the burners	incomplete combustion gas at maximum test pressure 200 mm diameter pans distance of 10 mm After 15 min of operation at full rate	P
7.3.7.3	Analysis of the products of combustion	Refer to appendix A.	P
7.3.8	Sooting	visual examination	P
7.3.9	Rational use of energy		
7.3.9.1	Open burners	Each burner is supplied with reference gas at normal test pressure, with the tap fully open. Refer to appendix A.	P
7.3.9.2	Covered burners	No cover burner	P
7.3.10	Durability of the marking	rubbed during 15 s with a water-soaked rag and then again during 15 s with a water gasoline soaked rag.	P

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Clause	Requirement – Test	Result – Remark	Verdict
		The gasoline to be used is aliphatic solvent hexane with a maximum content of aromatic of 0,1 % by volume, a value of kauri-butanol of 29, an initial boiling point of approximately 65 °C, a drying point of approximately 69 °C and a specific mass of approximately 0,66 kg/l.	
8	Marking		
8.1	Appliance marking		
	Visible, legible to the user during the operation of the appliance and durable, the official language(s) of the country	English marking was checked only, visible, legible to the user and durable fashion, The factory claimed that they will provide other language of the country for destination.	P
	- The name of the manufacturer or his identifying symbol;	Foshan Shunde Deyao Outdoor Metal Products Co., Ltd.	P
	- Postal address of the manufacturer. If not possible, on the packaging or in a document accompanying the appliance	Postal address in product label and manual	P
	- The appliance name;	Outdoor Gas Grill	P
	- The total nominal heat input of all the burners expressed in kilowatts based on the gross calorific value and in grams per hour	addressed on product label (Kw and g/h)	P
	- the type of gases which may be used and the corresponding supply pressures;	LP Gas（29/37/50mbar）	P
	- the appliances category;	I3+(28-30/37); I3B/P(30); I3B/P(50)	P
	- the type of electrical supply used, if applicable.	No electrical supply	NA
	- a) “use outdoors only”;	*Use outdoors only	P
	- b) “read the instructions before using the appliance”.	Read the instructions before using the appliance	P
8.2	Packaging marking		
	A visible and legible fashion, in the official language(s) of the country or countries in which the appliance is to be sold:	English marking was checked only, visible, legible to the user and durable fashion, the factory claimed that they will provide other language of the country for destination.	P
	— the type and pressure of the commercial gases which may be used;	I3+(28-30/37); I3B/P(30); I3B/P(50);	P
	— the appliance category;	Outdoor Gas Grill	P
	— the warning to only use the appliance outdoors;	Use outdoors only	P
	— the necessity of reading the instructions before use.	Read the instructions before using the appliance.	P

EN 484:2019 +AC:2020					
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Clause	Requirement – Test	Result – Remark	Verdict
8.3	Instructions		
	All the information shall be given in the official language(s) of the country or countries in which the appliance is to be sold.	English manual was checked only, the factory claimed that they will provide other language of the country for destination Refer to the manual provided from factory	P
	c) The manufacturer's address (for manufacturer definition see note of 8.1);	On last Pages	P
	b) The conditions of assembly and dismantling and of storage of the functional section of the appliance, in particular:	On page 2&10	P
	— the precautions to be taken when storing the appliance;	On warning section	P
	— the precautions to be taken in the case of blockage of the venturi or venturis;	On Cleaning the burner assembly section	P
	— assembly diagrams, if applicable;	On assembly section	P
	— the marking of injectors.	On technical information section	P
	c) The conditions of connection to the gas container, in particular:		
	— the type(s) of container(s) to be used and their position(s);	On gas cylinder section	P
	— the type of regulator to be used;	On Gas Hose and Gas Regulator section	P
9.3.2	— the type of flexible tube connecting the appliance to the gas container and the length recommended which shall not exceed 1,50 m;	On Gas Hose and Gas Regulator section	P
	— the routing of the flexible tube and the use of guides;	On gas cylinder section	P
	— the necessity of changing the flexible tube when the national conditions require it.	On Gas Hose and Gas Regulator section	P
	d) The conditions of installation, in particular:		
	— the position of the connection flexible tube so as to ensure that it is not subjected to twisting;	On Gas Hose and Gas Regulator section	P
	— a warning such as “this appliance must be kept away from flammable materials”;	On front page	P
	— the necessity of not obstructing the ventilation openings of the container compartment;	On warning section	P
	— the precautions to be taken when changing the gas container which shall be carried out away from any source of ignition;	On Gas Hose and Gas Regulator section	P
	— the type of protection for the surface to be used when the	Only non-combustible materials	P

EN 484:2019 +AC:2020					
Key to Test Sheets:	**P=Pass**	**NA = Not Applicable**	**NT = Not Tested**	**F=Fail**	**-= For information**

Clause	Requirement – Test	Result – Remark	Verdict
	support temperature exceeds 50 K.		
	e) The conditions of use, in particular		
	— the usual cleaning and maintenance as well as the frequency of such tasks;	On Cleaning And Care section	P
	— the procedure in the event of gas leak (turning off the gas supply);	On warning section	P
	— the minimum and maximum sizes of cooking pans to be used;	On technical Date for Specifications section	P
	— the recommendation of the use of protective gloves when handling particularly hot components;	On warning section	P
	— a note advising that parts sealed shall not be altered by the user.	on Servicing & Spare Parts	P
	f) In addition, the instructions shall contain the following warnings:		P
	— “Only to be used outdoors”	On cover sheet	P
	— “Read the instructions before using the appliance”	On cover sheet	P
	— “Do not move the appliance during use”	On warning section	P
	— “Turn off the gas supply at the gas container after use”	On warning section	P
	— “Any modification of the appliance may be dangerous”.	Only gas	NA
	For appliances using other sources of energy, the instructions shall contain the instructions specified by the corresponding standards.		

Appliance markings:

Supplied by the manufactured, reviewed and checked

Package marking:

Supplied by the manufactured, reviewed and checked

Instructions:

Supplied by the manufactured, reviewed and checked

Manufacturers Engineering Drawings:

Technical drawings were provided by manufacturer, reviewed and checked.

**********End of Page**********

Appendix A: Results obtained during testing

6.1 Soundness of gas circuit

Models	Condition	Declared (L/h)	(Close) Measured (L/h)	(Open) Measured(L/h)	Pass/Fail
DY611A	Before test	0.07	0.0072	0.0074	P
	After test	0.07	0.0071	0.0073	P
DY601A	Before test	0.07	0.0076	0.0082	P
	After test	0.07	0.0086	0.0093	P
DY611B	Before test	0.07	0.0003	0.0006	P
	After test	0.07	0.0013	0.0015	P
DY401A	Before test	0.07	0.0027	0.0042	P
	After test	0.07	0.0079	0.0067	P
DYZ400A	Before test	0.07	0.0014	0.0015	P
	After test	0.07	0.0036	0.0048	P
DYZ400B	Before test	0.07	0.0066	0.0079	P
	After test	0.07	0.0072	0.0085	P
DY001A	Before test	0.07	0.0084	0.0087	P
	After test	0.07	0.0072	0.0084	P

6.2 Nominal heat input

Model: DY611A-full rate, LPG: Butane, Gas temp. 23.4°C Atmospheric Pressure: 101.6kPa

Burner/ full rate (I3B/P30)/I3+	Left 1	Left 3	Right 3	Side	Back	Total
Measured Rate (kW)	3.51	3.50	3.56	3.34	4.47	26.72
Declared rate (kW)	3.55	3.55	3.55	3.4	4.5	29.2
Deviation Limit (%)	+/-8	+/-8	+/-8	+/-8	+/-8	-10
Deviation measured (%)	-1.18	-1.27	+0.26	-1.81	-0.73	-8.51
Pass/Fail	Pass	Pass	Pass	Pass	Pass	Pass

Model: DY611A- small rete, LPG: Butane, Gas temp. 23.6°C Atmospheric Pressure: 101.6kPa

Burner/ full rate (I3B/P30)/I3+	Left 1 S	Left 3 S	Right 3 S	Side S
Measured Rate (kW)	1.68	1.57	1.52	1.73
Declared rate (kW)	1.6	1.6	1.6	1.7
Deviation Limit (%)	+/-8	+/-8	+/-8	+/-8
Deviation measured (%)	+4.75	-1.88	-5.03	+2.02
Pass/Fail	Pass	Pass	Pass	Pass

Model: DY611A, LPG: Butane, Gas temp. 23.6°C Atmospheric Pressure: 101.6kPa

Burner/ full rate (I3B/P37)	Left 1	Left 3	Right 1	Side	Back	Total
Measured Rate (kW)	3.47	3.45	3.52	3.37	4.69	27.71
Declared rate (KW)	3.55	3.55	3.55	3.4	4.5	29.2
Deviation Limit (%)	+/-8	+/-8	+/-8	+/-8	+/-8	-10
Deviation measured (%)	-2.35	-2.68	-0.74	-0.86	+4.31	-5.11
Pass/Fail	Pass	Pass	Pass	Pass	Pass	Pass

Model: DY611A-full rate, LPG: Butane, Gas temp. 23.8°C Atmospheric Pressure: 101.6kPa

Burner/ full rate (I3B/P50)	Left 1	Left 3	Right 1	Side	Back	Total
Measured Rate (kW)	3.65	3.64	3.68	3.57	4.53	28.49
Declared rate (kW)	3.55	3.55	3.55	3.4	4.5	29.2
Deviation Limit (%)	+/-8	+/-8	+/-8	+/-8	+/-8	-10
Deviation measured (%)	+2.94	+2.61	+3.67	+2.02	+0.65	-2.42
Pass/Fail	Pass	Pass	Pass	Pass	Pass	Pass

Model: DY401A-full rate, LPG: Butane, Gas temp. 23.2°C Atmospheric Pressure: 101.6kPa

Burner/ full rate (I3B/P30)/I3+	Left 1	Left 3	Right 1	Back	Total
Measured Rate (kW)	3.42	3.54	3.56	4.60	17.72
Declared rate (kW)	3.55	3.55	3.55	4.50	18.7
Deviation Limit (%)	+/-8	+/-8	+/-8	+/-8	-10
Deviation measured (%)	-3.66	-0.28	0.28	2.22	-5.24
Pass/Fail	Pass	Pass	Pass	Pass	Pass

Model: DY401A, LPG: Butane, Gas temp. 24.1°C Atmospheric Pressure: 101.6kPa

Burner/ full rate (I3B/P37)	Left 1	Left 3	Right 1	Back	Total
Measured Rate (kW)	3.53	3.59	3.47	4.57	17.85
Declared rate (KW)	3.55	3.55	3.55	4.5	18.7
Deviation Limit (%)	+/-8	+/-8	+/-8	+/-8	-10
Deviation measured (%)	-0.56	1.13	-2.25	1.56	-4.55
Pass/Fail	Pass	Pass	Pass	Pass	Pass

Model: DY401A-full rate, LPG: Butane, Gas temp. 23.4°C Atmospheric Pressure: 101.6kPa

Burner/ full rate (I3B/P50)	Left 1	Left 3	Right 1	Back	Total
Measured Rate (kW)	3.61	3.59	3.62	4.51	17.96
Declared rate (kW)	3.55	3.55	3.55	4.5	18.7
Deviation Limit (%)	+/-8	+/-8	+/-8	+/-8	-10
Deviation measured (%)	1.69	1.13	1.97	0.22	-3.96
Pass/Fail	Pass	Pass	Pass	Pass	Pass

Model: DYZ400A -full rate, LPG: Butane, Gas temp. 23.6°C Atmospheric Pressure: 101.6kPa

Burner/ full rate (I3B/P30)/I3+	Left 1	Left 3	Right 1	Total
Measured Rate (kW)	3.47	3.42	3.53	13.26
Declared rate (kW)	3.55	3.55	3.55	14.2
Deviation Limit (%)	+/-8	+/-8	+/-8	-10
Deviation measured (%)	-2.25	-3.66	-0.56	-6.62
Pass/Fail	Pass	Pass	Pass	Pass

Model: DYZ400A, LPG: Butane, Gas temp. 23.5°C Atmospheric Pressure: 101.4kPa

Burner/ full rate (I3B/P37)	Left 1	Left 3	Right 1	Total
Measured Rate (kW)	3.49	3.58	3.53	13.42
Declared rate (KW)	3.55	3.55	3.55	14.2
Deviation Limit (%)	+/-8	+/-8	+/-8	-10
Deviation measured (%)	-1.69	0.85	-0.56	-5.49
Pass/Fail	Pass	Pass	Pass	Pass

Model: DYZ400A -full rate, LPG: Butane, Gas temp. 22.9°C Atmospheric Pressure: 101.2kPa

Burner/ full rate (I3B/P50)	Left 1	Left 3	Right 1	Total
Measured Rate (kW)	3.58	3.61	3.57	13.64
Declared rate (kW)	3.55	3.55	3.55	14.2
Deviation Limit (%)	+/-8	+/-8	+/-8	-10
Deviation measured (%)	0.85	1.69	0.56	-3.94
Pass/Fail	Pass	Pass	Pass	Pass

Model: DY001A-full rate, LPG: Butane, Gas temp. 23.5°C Atmospheric Pressure: 101.8kPa

Burner/ full rate (I3B/P30)/I3+	Main
Measured Rate (kW)	3.76
Declared rate (kW)	3.85
Deviation Limit (%)	+/-8
Deviation measured (%)	-2.34
Pass/Fail	Pass

Model: DY001A-small rate, LPG: Butane, Gas temp. 28.5°C Atmospheric Pressure: 101.8kPa

Burner/ full rate (I3B/P37)/I3+	Main
Measured Rate (kW)	2.57
Declared rate (kW)	2.5
Deviation Limit (%)	+/-8
Deviation measured (%)	+2.80
Pass/Fail	Pass

Model: DY001A-full rate, LPG: Butane, Gas temp. 21.5°C Atmospheric Pressure: 101.6kPa

Burner/ full rate (I3B/P37)	Main
Measured Rate (kW)	3.98
Declared rate (kW)	3.85
Deviation Limit (%)	+/-8
Deviation measured (%)	+3.38
Pass/Fail	Pass

Model: DY001A-full rate, LPG: Butane, Gas temp. 21.5°C Atmospheric Pressure: 101.6kPa

Burner/ full rate (I3B/P50)	Main
Measured Rate (kW)	3.86
Declared rate (kW)	3.85
Deviation Limit (%)	+/-8
Deviation measured (%)	0.26
Pass/Fail	Pass

6.3.3 Burner Ignition –Cross Lighting- Flame Stability

Model: DY611A, LPG, Gas temp. 22.5°C Atmospheric Pressure: 101.4kPa

Category	Gas	Pressure	Condition	Ignition	Cross lighting	Flame lift	Light back	Flame stability
I3+ I3B/P(30)	G30	20-35mbar	Hot	<5s	<15s	-	-	20-40s
			Cold	<5s	<15s	-	-	25-50s
	G31	45mbar	Cold	-	-	N	-	-
			Cold	-	-	N	-	-
	G32	25mbar	Hot	-	-	-	N	-
			Hot	-	-	-	N	-
I3B/P(37)	G30	25-45mbar	Hot	<5s	<15s	-	-	15-40s
			Cold	<5s	<15s	-	-	20-50s
	G31	45mbar	Cold	-	-	N	-	-
			Cold	-	-	N	-	-
	G32	25mbar	Hot	-	-	-	N	-
			Hot	-	-	-	N	-
I3B/P(50)	G30	42.5-57.5mbar	Hot	<5s	<15s	-	-	10-42s

			Cold	<5s	<15s	-	-	15-50s
	G31	57.5mbar	Cold	-	-	N	-	-
			Cold	-	-	N	-	-
	G32	42.5mbar	Hot	-	-	-	N	-
			Hot	-	-	-	N	-

Model: DY401A, LPG, Gas temp. 21.6°C Atmospheric Pressure: 101.7kPa

Category	Gas	Pressure	Condition	Ignition	Cross lighting	Flame lift	Light back	Flame stability
I3+ I3B/P(30)	G30	20-35mbar	Hot	<5s	<15s	-	-	10-40s
			Cold	<5s	<15s	-	-	15-40s
	G31	45mbar	Cold	-	-	N	-	-
			Cold	-	-	N	-	-
	G32	25mbar	Hot	-	-	-	N	-
			Hot	-	-	-	N	-
I3B/P(37)	G30	25-45mbar	Hot	<5s	<15s	-	-	15-40s
			Cold	<5s	<15s	-	-	20-45s
	G31	45mbar	Cold	-	-	N	-	-
			Cold	-	-	N	-	-
	G32	25mbar	Hot	-	-	-	N	-
			Hot	-	-	-	N	-
I3B/P(50)	G30	42.5-57.5mbar	Hot	<5s	<15s	-	-	10-45s
			Cold	<5s	<15s	-	-	15-50s
	G31	57.5mbar	Cold	-	-	N	-	-
			Cold	-	-	N	-	-
	G32	42.5mbar	Hot	-	-	-	N	-
			Hot	-	-	-	N	-

Model: DYZ400A, LPG, Gas temp. 21.6°C Atmospheric Pressure: 101.7kPa

Category	Gas	Pressure	Condition	Ignition	Cross lighting	Flame lift	Light back	Flame stability
I3+ I3B/P(30)	G30	20-35mbar	Hot	<5s	<15s	-	-	10-40s
			Cold	<5s	<15s	-	-	15-40s
	G31	45mbar	Cold	-	-	N	-	-
			Cold	-	-	N	-	-
	G32	25mbar	Hot	-	-	-	N	-
			Hot	-	-	-	N	-
I3B/P(37)	G30	25-45mbar	Hot	<5s	<15s	-	-	15-40s
			Cold	<5s	<15s	-	-	20-45s
	G31	45mbar	Cold	-	-	N	-	-
			Cold	-	-	N	-	-
	G32	25mbar	Hot	-	-	-	N	-
			Hot	-	-	-	N	-
I3B/P(50)	G30	42.5-57.5mbar	Hot	<5s	<15s	-	-	10-40s
			Cold	<5s	<15s	-	-	15-50s
	G31	57.5mbar	Cold	-	-	N	-	-
			Cold	-	-	N	-	-

	G32	42.5mbar	Hot	-	-	-	N	-
			Hot	-	-	-	N	-

Model: DY001A, LPG, Gas temp. 21.5°C Atmospheric Pressure: 101.8kPa

Category	Gas	Pressure	Condition	Ignition	Cross lighting	Flame lift	Light back	Flame stability
I3+ I3B/P(30)	G30	20-35mbar	Hot	<5s	NA	-	-	10-40s
			Cold	<5s	NA	-	-	15-40s
	G31	45mbar	Cold	-	-	N	-	-
			Cold	-	-	N	-	-
	G32	25mbar	Hot	-	-	-	N	-
			Hot	-	-	-	N	-
I3B/P(37)	G30	25-45mbar	Hot	<5s	NA	-	-	15-40s
			Cold	<5s	NA	-	-	20-45s
	G31	45mbar	Cold	-	-	N	-	-
			Cold	-	-	N	-	-
	G32	25mbar	Hot	-	-	-	N	-
			Hot	-	-	-	N	-
I3B/P(50)	G30	42.5-57.5mbar	Hot	<5s	NA	-	-	10-42s
			Cold	<5s	NA	-	-	15-42s
	G31	57.5mbar	Cold	-	-	N	-	-
			Cold	-	-	N	-	-
	G32	42.5mbar	Hot	-	-	-	N	-
			Hot	-	-	-	N	-

6.7 Combustion

Model: DY611A , LPG, Gas temp. 22.6°C Atmospheric Pressure: 101.8kPa

Burner	Cat.	Gas type	Test point	gas pressure	CO ppm	CO_2 %	% Air free	limits	**Result**
Left 1	I3B/P(30) I3 +	G30	Full	35	8	2.8	0.0040	0.2%	P
		G30	Full	29	7	2.5	0.0039	0.2%	P
		G30	Small	29	10	1.5	0.0093	0.2%	P
Left 3	I3B/P(30) I3 +	G30	Full	35	6	3.5	0.0024	0.2%	P
		G30	Full	29	5	3.1	0.0023	0.2%	P
		G30	Small	29	11	1.5	0.0103	0.2%	P
Right 3	I3B/P(30) I3 +	G30	Full	35	5	3.5	0.0020	0.2%	P
		G30	Full	29	7	1.9	0.0052	0.2%	P
		G30	Small	29	9	1.3	0.0097	0.2%	P
Side	I3B/P(30) I3 +	G30	Full	35	158	4.4	0.0503	0.15%	P
		G30	Full	29	117	4.2	0.0390	0.15%	P
		G30	Small	29	66	2.4	0.0385	0.15%	P
Back	I3B/P(30) I3 +	G30	Full	35	97	4.3	0.0316	0.2%	P
		G30	Full	29	142	3.8	0.0523	0.2%	P
Total	I3B/P(30) I3 +	G30	Full	35	97	4.2	0.0323	0.2%	P
		G30	Full	29	32	2.1	0.0213	0.2%	P

Model: DY611A, LPG, Gas temp. 22.3°C Atmospheric Pressure: 101.7kPa

Burner	Cat.	Gas type	Test point	gas pressure	CO ppm	CO_2 %	% Air free	limits	**Result**
Left 1	I3B/P(37)	G30	Full	45	17	2.7	0.0088	0.2%	P
		G30	Full	37	9	2.2	0.0057	0.2%	P
		G30	Small	37	12	1.7	0.0099	0.2%	P
Left 3	I3B/P(37)	G30	Full	45	9	2.8	0.0045	0.2%	P
		G30	Full	37	8	2.9	0.0039	0.2%	P
		G30	Small	37	11	1.5	0.0103	0.2%	P
Right 1	I3B/P(37)	G30	Full	45	9	3.8	0.0033	0.2%	P
		G30	Full	37	12	3.5	0.0048	0.2%	P
		G30	Small	37	16	2.5	0.0090	0.2%	P
Side	I3B/P(37)	G30	Full	45	123	4.5	0.0383	0.15%	P
		G30	Full	37	75	4.2	0.0250	0.15%	P
		G30	Small	37	52	2.7	0.0270	0.15%	P
Back	I3B/P(37)	G30	Full	45	83	5.6	0.0208	0.2%	P
		G30	Full	37	68	4.9	0.0194	0.2%	P
Total	I3B/P(37)	G30	Full	45	33	6.3	0.0073	0.2%	P
		G30	Full	37	38	6.1	0.0087	0.2%	P

Model: DY611A, LPG, Gas temp. 21.3°C Atmospheric Pressure: 101.7kPa

Burner	Cat.	Gas type	Test point	gas pressure	CO ppm	CO_2 %	% Air free	limits	**Result**
Left 1	I3B/P(50)	G30	Full	57.5	9	3.9	0.0032	0.2%	P
		G30	Full	50	6	3.7	0.0023	0.2%	P
		G30	Small	50	7	2.4	0.0041	0.2%	P
Left 3	I3B/P(50)	G30	Full	57.5	7	4	0.0025	0.2%	P
		G30	Full	50	6	3.5	0.0024	0.2%	P
		G30	Small	50	13	2.1	0.0087	0.2%	P
Right 1	I3B/P(50)	G30	Full	57.5	7	3.5	0.0028	0.2%	P
		G30	Full	50	6	3.2	0.0026	0.2%	P
		G30	Small	50	10	2.5	0.0056	0.2%	P
Side	I3B/P(50)	G30	Full	57.5	121	4.2	0.0403	0.15%	P
		G30	Full	50	52	4.06	0.0179	0.15%	P
		G30	Small	50	45	2.81	0.0224	0.15%	P
Back	I3B/P(50)	G30	Full	57.5	64	5.9	0.0152	0.2%	P
		G30	Full	50	52	5.5	0.0132	0.2%	P
Total	I3B/P(50)	G30	Full	57.5	76	8.7	0.0122	0.2%	P
		G30	Full	50	115	8.5	0.0189	0.2%	P

Model: DY401A , LPG, Gas temp. 22.2°C Atmospheric Pressure: 101.7kPa

Burner	Cat.	Gas type	Test point	gas pressure	CO ppm	CO_2 %	% Air free	limits	**Result**
Left 1	I3B/P(30) I3 +	G30	Full	35	9	3.1	0.0041	0.2%	P
		G30	Full	29	6	2.8	0.0030	0.2%	P
		G30	Small	29	8	2.2	0.0051	0.2%	P
Left 2	I3B/P(30) I3 +	G30	Full	35	7	3.3	0.0030	0.2%	P
		G30	Full	29	6	3	0.0028	0.2%	P
		G30	Small	29	8	1.9	0.0059	0.2%	P

Right 1	I3B/P(30) I3 +	G30	Full	35	10	3.4	0.0041	0.2%	P
		G30	Full	29	8	2.6	0.0043	0.2%	P
		G30	Small	29	9	1.8	0.0070	0.2%	P
Back	I3B/P(30) I3 +	G30	Full	35	78	4.1	0.0266	0.2%	P
		G30	Full	29	125	3.6	0.0486	0.2%	P
Total	I3B/P(30) I3 +	G30	Full	35	105	4.3	0.0342	0.2%	P
		G30	Full	29	54	2.4	0.0315	0.2%	P

Model: : DY401A, LPG, Gas temp. 21.1°C Atmospheric Pressure: 101.7kPa

Burner	Cat.	Gas type	Test point	gas pressure	CO ppm	CO_2 %	% Air free	limits	**Result**
Left 1	I3B/P(37)	G30	Full	45	13	2.9	0.0063	0.2%	P
		G30	Full	37	8	2.3	0.0049	0.2%	P
		G30	Small	37	10	1.8	0.0078	0.2%	P
Left 2	I3B/P(37)	G30	Full	45	10	3	0.0047	0.2%	P
		G30	Full	37	9	2.7	0.0047	0.2%	P
		G30	Small	37	10	1.8	0.0078	0.2%	P
Right 1	I3B/P(37)	G30	Full	45	10	3.9	0.0036	0.2%	P
		G30	Full	37	9	3.6	0.0035	0.2%	P
		G30	Small	37	11	2.1	0.0073	0.2%	P
Back	I3B/P(37)	G30	Full	45	74	5.8	0.0179	0.2%	P
		G30	Full	37	58	5.1	0.0159	0.2%	P
Total	I3B/P(37)	G30	Full	45	67	6.5	0.0144	0.2%	P
		G30	Full	37	42	5.4	0.0109	0.2%	P

Model: : DY401A, LPG, Gas temp. 22.1°C Atmospheric Pressure: 101.7kPa

Burner	Cat.	Gas type	Test point	gas pressure	CO ppm	CO_2 %	% Air free	limits	**Result**
Left 1	I3B/P(50)	G30	Full	57.5	10	4	0.0035	0.2%	P
		G30	Full	50	7	3.5	0.0028	0.2%	P
		G30	Small	50	8	2.2	0.0051	0.2%	P
Left 2	I3B/P(50)	G30	Full	57.5	9	4.1	0.0031	0.2%	P
		G30	Full	50	8	3.6	0.0031	0.2%	P
		G30	Small	50	11	2.4	0.0064	0.2%	P
Right 1	I3B/P(50)	G30	Full	57.5	10	3.7	0.0038	0.2%	P
		G30	Full	50	7	3.4	0.0029	0.2%	P
		G30	Small	50	9	2.3	0.0055	0.2%	P
Back	I3B/P(50)	G30	Full	57.5	60	5.8	0.0145	0.2%	P
		G30	Full	50	51	5.2	0.0137	0.2%	P
Total	I3B/P(50)	G30	Full	57.5	86	6.5	0.0185	0.2%	P
		G30	Full	50	65	5.4	0.0169	0.2%	P

Model: DYZ400A , LPG, Gas temp. 22.2°C Atmospheric Pressure: 101.5kPa

Burner	Cat.	Gas type	Test point	gas pressure	CO ppm	CO_2 %	% Air free	limits	**Result**
Left 1	I3B/P(30) I3 +	G30	Full	35	6	4.2	0.0020	0.2%	P
		G30	Full	29	5	3.3	0.0021	0.2%	P
		G30	Small	29	7	2.1	0.0047	0.2%	P
Left 2	I3B/P(30)	G30	Full	35	9	6.3	0.0020	0.2%	P

	I3 +	G30	Full	29	6	6.5	0.0013	0.2%	P
		G30	Small	29	6	2.5	0.0034	0.2%	P
Right 1	I3B/P(30) I3 +	G30	Full	35	16	3	0.0075	0.2%	P
		G30	Full	29	6	3.8	0.0022	0.2%	P
		G30	Small	29	8	2.2	0.0051	0.20%	P
Total	I3B/P(30) I3 +	G30	Full	35	56	2.6	0.0302	0.2%	P
		G30	Full	29	36	2.4	0.0210	0.2%	P

Model: DYZ400A, LPG, Gas temp. 21.1°C Atmospheric Pressure: 101.7kPa

Burner	Cat.	Gas type	Test point	gas pressure	CO ppm	CO_2 %	% Air free	limits	**Result**
Left 1	I3B/P(37)	G30	Full	45	7	3.6	0.0027	0.2%	P
		G30	Full	37	6	3.2	0.0026	0.2%	P
		G30	Small	37	6	2	0.0042	0.2%	P
Left 2	I3B/P(37)	G30	Full	45	9	3.3	0.0038	0.2%	P
		G30	Full	37	7	2.9	0.0034	0.2%	P
		G30	Small	37	8	2.0	0.0056	0.2%	P
Right 1	I3B/P(37)	G30	Full	45	9	3.8	0.0033	0.2%	P
		G30	Full	37	7	3.2	0.0031	0.2%	P
		G30	Small	37	8	2.1	0.0053	0.20%	P
Total	I3B/P(37)	G30	Full	45	85	5.9	0.0202	0.2%	P
		G30	Full	37	59	5.3	0.0156	0.2%	P

Model: DYZ400A, LPG, Gas temp. 21.1°C Atmospheric Pressure: 101.7kPa

Burner	Cat.	Gas type	Test point	gas pressure	CO ppm	CO_2 %	% Air free	limits	**Result**
Left 1	I3B/P(50)	G30	Full	57.5	9	3.6	0.0035	0.2%	P
		G30	Full	50	8	2.9	0.0039	0.2%	P
		G30	Small	50	8	2.4	0.0047	0.2%	P
Left 2	I3B/P(50)	G30	Full	57.5	10	3.8	0.0037	0.2%	P
		G30	Full	50	7	3.4	0.0029	0.2%	P
		G30	Small	50	10	2.1	0.0067	0.2%	P
Right 1	I3B/P(50)	G30	Full	57.5	9	3.8	0.0033	0.2%	P
		G30	Full	50	7	3.3	0.0030	0.2%	P
		G30	Small	50	8	2.2	0.0051	0.20%	P
Total	I3B/P(50)	G30	Full	57.5	78	5.6	0.0195	0.2%	P
		G30	Full	50	53	5.1	0.0145	0.2%	P

Model: DY001A, LPG, Gas temp. 22.5°C Atmospheric Pressure: 101.6kPa

Burner	Cat.	Gas type	Test point	gas pressure	CO ppm	CO_2 %	% Air free	limits	**Result**
Main	I3B/P(30) I3 +	G30	Full	35	97	4.3	0.0316	0.2%	P
		G30	Full	29	142	3.8	0.0523	0.2%	P
		G30	Small	29	356	3.02	0.1650	0.2%	P

Model: DY001A, LPG, Gas temp. 22.2°C Atmospheric Pressure: 101.6kPa

Burner	Cat.	Gas type	Test point	gas pressure	CO ppm	CO_2 %	% Air free	limits	**Result**
Main	I3B/P(37)	G30	Full	45	85	5.4	0.0220	0.2%	P
		G30	Full	37	159	4.8	0.0464	0.2%	P
		G30	Small	37	225	2.2	0.143	0.2%	P

Model: DY001A, LPG, Gas temp. 22.2°C Atmospheric Pressure: 101.6kPa

Burner	Cat.	Gas type	Test point	gas pressure	CO ppm	CO_2 %	% Air free	limits	**Result**
Main	I3B/P(50)	G30	Full	57.5	64	5.9	0.0499	0.2%	P
		G30	Full	50	37	3.5	0.0148	0.2%	P
		G30	Small	50	68	2.2	0.0433	0.2%	P

6.5 Temperature of various parts of the appliance

Model: DY611A, LPG: Butane, 29mbar, Room temp. 19.5C Atmospheric Pressure: 101.5kPa

Test point	**Measured Temp(℃)**	**Temp rise (K)**	**Limitation (K/C)**	**Result**
Floor	26.3	6.8	70K/50K	P
Wall of LPG cylinder	24.1	4.6	45K	P
Touched surfaces of such parts				
Gas Valve Control Knob	34.6	15.1	60K	P
Cylinder handle	20.7	1.2	35K	P
Lid handle	49.4	29.9	35K	P
Door handle	20.7	1.2	35K	P
Drawer handle	20.4	0.9	35K	P
Grease pan handle	30.2	10.7	35K	P
Accidental touched areas				
Control panel	41.5	22	80K	P
Side table	68.9	49.4	80K	P
Hose touched surface	32.9	13.4	70K	P
Nozzle of Gas inlet	21.2	1.7	30K	P
Fitting and others				
Gas Valve	85.7	-	120C	P
Hose	20.3	-	60C	P
Cylinder body	19.7	0.2	For reference	P
Place of Labelling	41.3	-	80C	P

Model: DY601A, LPG: Butane, 29mbar, Room temp. 19.4C Atmospheric Pressure: 101.5kPa

Test point	**Measured Temp(℃)**	**Temp rise (K)**	**Limitation (K/C)**	**Result**
Floor	25.2	5.8	70K/50K	P
Wall of LPG cylinder	23.8	4.4	45K	P
Touched surfaces of such parts				
Gas Valve Control Knob	35.7	16.3	60K	P
Cylinder handle	21.1	1.7	35K	P
Lid handle	50.1	30.7	35K	P
Door handle	22.2	2.8	35K	P
Drawer handle	21.5	2.1	35K	P
Grease pan handle	32.3	12.9	35K	P
Accidental touched areas				

Control panel	43.2	23.8	80K	P
Side table	77.2	57.8	80K	P
Hose touched surface	29.6	10.2	70K	P
Nozzle of Gas inlet	22.5	3.1	30K	P
Fitting and others				
Gas Valve	88.3	-	120C	P
Hose	22.9	-	60C	P
Cylinder body	19.6	0.2	For reference	P
Place of Labelling	42.7	-	80C	P

Model: DY401A, LPG: Butane, 29mbar, Room temp. 18.8C Atmospheric Pressure: 101.2kPa

Test point	Measured Temp(℃)	Temp rise (K)	Limitation (K/C)	Result
Floor	38.1	19.3	70K/50K	P
Wall of LPG cylinder	19.7	0.9	45K	P
Touched surfaces of such parts				
Gas Valve Control Knob	30.2	11.4	60K	P
Cylinder handle	19.5	0.7	35K	P
Lid handle	47.1	28.3	35K	P
Grease pan handle	34.5	15.7	35K	P
Accidental touched areas				
Control panel	43.1	24.3	80K	P
Hose touched surface	22.4	3.6	70K	P
Nozzle of Gas inlet	20.3	1.5	30K	P
Fitting and others				
Gas Valve	84.9	-	120C	P
Hose	19.7	-	60C	P
Cylinder body	19.1	0.3	For reference	P
Place of Labelling	44.3	-	80C	P

Model: DYZ400A, LPG: Butane, 29mbar, Room temp. 18.9C Atmospheric Pressure: 101.5kPa

Test point	Measured Temp(℃)	Temp rise (K)	Limitation (K/C)	Result
Floor	32.5	13.6	70K/50K	P
Wall of LPG cylinder	19.5	0.6	45K	P
Touched surfaces of such parts				
Gas Valve Control Knob	46.7	27.8	60K	P
Cylinder handle	19.4	0.5	35K	P
Grease pan handle	29.2	10.3	35K	P
Accidental touched areas				
Control panel	53.1	34.2	80K	P
Cover handle	38.2	19.3	80K	P
Hose touched surface	21.6	2.7	70K	P
Nozzle of Gas inlet	21.1	2.2	30K	P
Fitting and others				
Gas Valve	47.8	-	150C	P
Batter ignitor	48.2	-	120C	P
Hose	20.1	-	60C	P
Cylinder body	19.8	0.3	For reference	P
Place of Labelling	42.5	-	80C	P

Model: DYZ400B, LPG: Butane, 29mbar, Room temp. 19.1C Atmospheric Pressure: 101.5kPa

Test point	Measured Temp(℃)	Temp rise (K)	Limitation (K/C)	Result
Floor	34.1	15	70K/50K	P
Wall of LPG cylinder	19.5	0.4	45K	P
Touched surfaces of such parts				
Gas Valve Control Knob	32.5	13.4	60K	P
Cylinder handle	19.6	0.5	35K	P
Grease pan handle	31.4	12.3	35K	P
Upside down panel	52.1	33	35K	P
Accidental touched areas				
Control panel	53.1	34	80K	P
Hose touched surface	21.6	2.5	70K	P
cover handle	70.2	51.1	80K	P
Nozzle of Gas inlet	28.9	9.8	30K	P
Fitting and others				
Gas Valve	50.3	-	150C	P
Batter ignitor	48.6	-	120C	P
Hose	20.7	-	60C	P
Cylinder body	19.3	0.2	For reference	P
Place of Labelling	41.9	-	80C	P

Model: DY001A, LPG: Butane, 29mbar, Room temp. 19.1C Atmospheric Pressure: 101.6kPa

Test point	Measured Temp(℃)	Temp rise (K)	Limitation (K/C)	Result
Floor	21.4	2.3	70K/50K	P
Wall of LPG cylinder	22.3	3.2	45K	P
Touched surfaces of such parts				
Gas Valve Control Knob	31.4	12.3	60K	P
Cylinder handle	19.6	0.5	35K	P
Lid handle	32.7	13.6	35K	P
Grease pan handle	29.6	10.5	35K	P
Accidental touched areas				
Control panel	38.6	19.5	80K	P
Hose touched surface	22.6	3.5	70K	P
Nozzle of Gas inlet	20.4	1.3	30K	P
Fitting and others				
Gas Valve	48.9	-	120C	P
Hose	23.2	-	60C	P
Cylinder body	19.0	-0.1	For reference	P
Place of Labelling	35.6	-	80C	P

Model: DY001B, LPG: Butane, 29mbar, Room temp. 19.2C Atmospheric Pressure: 101.6kPa

Test point	Measured Temp(℃)	Temp rise (K)	Limitation (K/C)	Result
Floor	34.6	15.4	70K/50K	P
Wall of LPG cylinder	19.5	0.3	45K	P
Touched surfaces of such parts				
Gas Valve Control Knob	31.3	12.1	60K	P
Cylinder handle	19.6	0.4	35K	P
Lid handle	33.2	14	35K	P
Grease pan handle	28.7	9.5	35K	P

Accidental touched areas				
Control panel	38.9	19.7	80K	P
Hose touched surface	22.4	3.2	70K	P
Nozzle of Gas inlet	21.7	2.5	30K	P
Fitting and others				
Gas Valve	51.6	-	120C	P
Hose	22.1	-	60C	P
Cylinder body	19.0	-0.2	For reference	P
Place of Labelling	35.4	-	80C	P

6.9 Rational use of energy

Model: DY611A, LPG, Gas temp. 21.5°C Atmospheric Pressure: 101.2kPa

Burner	**Right Burner**
Declared rate (kw/h)	3.4
Result (%)	51.63
Limit (%)	>50
Pass/Fail	P

Appendix B. Test sample photos

Test Sample Photos

	
DY601A overview	DY601A with open lid
	
DY601A main cooking area	DY601A back view
	
DY601A cabinet and drawer	DY601A folding side table
	
DY601A without side table	DY601A without side table- back side

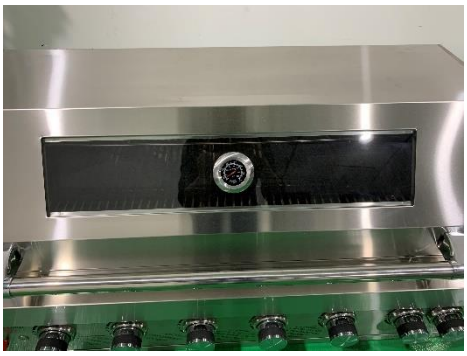
Test Sample Photos

	
DY601B overview	DY601B main cooking area
	
DY601B side view	DY601B back view
	
DY601B side air opening	DY601B control knob

Test Sample Photos

	
DY611A overview	DY611A-opened lid and side cover
	
DY611A main cooking area	DY611A side burner
	
DY611A back view	DY611A cabinet / electrical adaptor for LED control knob light halogen light on back area
	
DY611A without side table	DY601A main burners

Test Sample Photos

	
DY611B overview	DY611B opened lid and side cover
	
DY611B back side view	DY611B main cooking area
	
DY611B side burner	DY611B glass windows
	
DY611B inlet nipple	DY611B temperature gauge

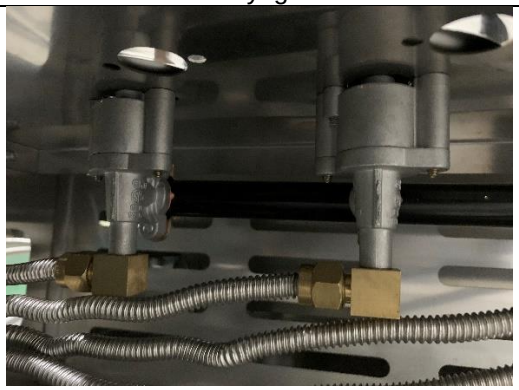
Test Sample Photos

	
DY401B overview	DY401B opened lid
	
DY401B back view	DY401B side view
	
DY401B control knob	#304 cooking grids & warming rack
	
Heat shield	AC/DC adaptor(CE, AC230V, 50Hz, Class I1, IPX4)

Test Sample Photos

	
DYZ400A overview	DYZ400A opened lid
	
DYZ400A back view	DYZ400A side view
	
DYZ400A gas pipe	Gas burners
	
Control knobs and battery ignitor	Grease pan

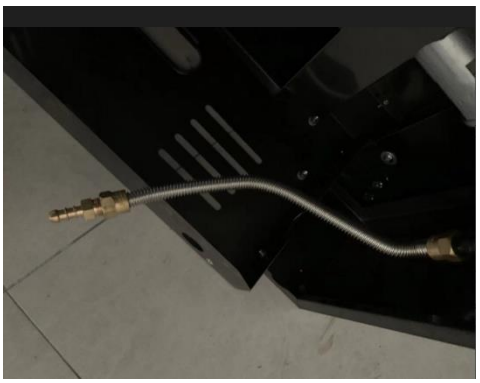
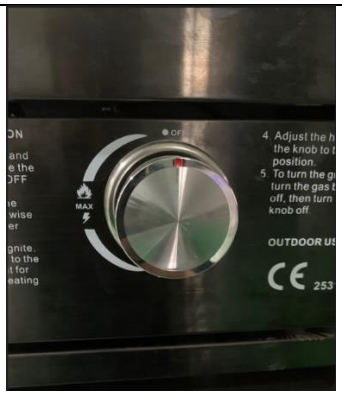
Test Sample Photos

	
DYZ400B overview	DYZ400B opened lid
	
DYZ400B back view	DYZ400B side view
	
DYZ400B gas pipe	battery ignitor
	
Control knobs	GK11 Gas valves

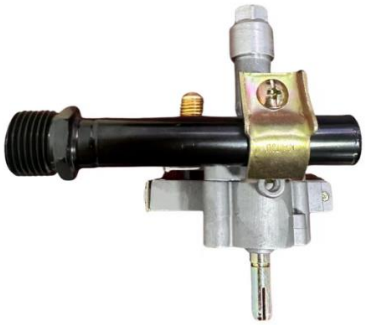
Test Sample Photos

	
DY001A Overview	DY001A back view
	
DY001A cabinet	DY001A infrared ceramic burner
	
DY001A cooking grid with solid plate	DY001A Grease pan

Test Sample Photos

	
DY001B overview	DY001B opened cover
	
DY001B back view	DY001B bottom view
	
DY001B control knob	DY001B side view
	
DY001B inlet nipple and #304 Corrugated pipe	Control knob

Gas components Sample Photos

	
KS201B gas valve overview	K100B gas valve overview
	
K100 gas valve overview	GK11 gas valve overview

Appendix C

Actions arising during examination

EN 489:2012 and EN 484:2019

Clause	**Comment**

Appendix D

Revision Record

Revision No.	Date	Changes	Author	Reviewer
0	Apr. 20, 2024	Initial issue	May Liang	Davy Wei

**********End of Report**********