



Descriptive Report

MASTER CONTRACT: 0000273419

REPORT: 70194626

PROJECT: 80204505

EDITION

Edition	Issued On	Project	Location	Prepared By	Authorized By
Edition 1	October 24, 2018	70194626	Guangzhou	Leo Chen	
Edition 2	December 17, 2018	70206796	Guangzhou	Andrew Qin	
Edition 3	August 10, 2022	80130962	Guangzhou	Don Lan	Lester Lin
Edition 4	April 24, 2024	80204505	China Guangzhou	Don Lan	Don Lan

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PRODUCTS

Class 2711 86 DOMESTIC GAS COOKING APPLIANCES-Outdoor Specialty Cooking - Gas Appliances-Certified to U.S. Standards

Class 2711 06 DOMESTIC GAS COOKING APPLIANCES - Outdoor Specialty Cooking Gas Appliances

FOR USE OF PROPANE GAS

STOK

Model(s)	Input Rating (BTU/HR)
STG1150, STG1150HD	15,000

WH

Model(s)	Input Rating (BTU/HR)
MK-B01-A	15,000

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Model(s)	Input Rating (BTU/HR)
MK-B01-B, MK-B01-C, MK-B01-D, MK-B01-E	15,000

R.W.FLAME, Kismile, Joy Pebble

Model(s)	Input Rating (BTU/HR)
G8401-BLACK, G8401-ORANGE	15,000

APPLICABLE REQUIREMENTS

Standards Used	Description
CSA/AM CSA/ANSI Z21.89:23/CSA 1.18:23 (Sixth Edition)	Outdoor cooking specialty gas appliances - Sixth Edition

MARKINGS

The manufacturer is required to apply the following markings:

- Products shall be marked with the markings specified by the particular product standard.
- Products certified for Canada shall have all Caution and Warning markings in both English and French.

Additional bilingual markings not covered by the product standard(s) may be required by the Authorities Having Jurisdiction. It is the responsibility of the manufacturer to provide and apply these additional markings, where applicable, in accordance with the requirements of those authorities.

The products listed are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and U.S. Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only.

All markings in compliance with the applicable requirements are found on descriptive drawing figure No. 3 to 5, 10, 14.

Nameplate adhesive label material approval information:

The specifications of the marking system as follows: Rating plate is Class IIIA-2 by Guangdong Tianyue Printing Tech. Co ., Ltd, marking model TY25#A-125 (CSA 70044611), Metal (max temp 125°C) and Special Surfaces (Polyester Powder Coat Paint and Epoxy Powder Coat Paint)(max temp 125°C).

ALTERATIONS

Project 70194626:

1. Model STG1150 change from the hinge pin bolt to the tight screw, let the lid fall off slowly, to pass lid outage test section 5.6.4. (please find the drawings on figure no. 1 of page no. 68)

Project 70206796:
None

Project 80130962:
● Instruction Manual Modified.

Project 80204505:
● Instruction Manual Modified.
● Markings Modified.

FACTORY TESTS

The submitter shall ensure that the following factory tests are conducted in at the frequency specified and the results are documented and made available for review by CSA field services representatives:

Test	Frequency
Leakage test Manifold & Control Assy. Pass/Fail Criteria: <ul style="list-style-type: none">No leakage in the manifold shall be observed.	100%
Burner Operating Characteristics Pass/Fail Criteria: <ul style="list-style-type: none">Burners shall not flashback.There shall be no backpressure at the burner mixer face.Burner shall ignite, operate, and extinguish without undue noise.Burner flames shall not be extinguished nor show objectionable lifting, floating and blowing at increased test pressuresBurner flame shall be stableNo carbon deposited.Ignition and extinction shall occur without undo noise.	1 per 500 No less than once per week
Combustion Pass/Fail Criteria: Carbon Monoxide shall not exceed 0.08% in an air-free sample.	1 per 500 No less than once per week
Ignition Pass/Fail Criteria: Under cold/ hot condition, burner ignition shall occur within 5 seconds after gas is available at the burner ports, repeat the above and try doing 5 times. The burner shall be lit using a paper book match in accordance with the manufacture’s lighting instructions, burner ignition shall occur within 5 seconds after gas is available at the burner ports.	100%

SPECIAL INSTRUCTIONS FOR FIELD SERVICES

- 1. Component descriptions marked with either the "(INT)" or "(INT*)" identifiers may be substituted with other components providing the requirements specified under the notes in the "Description" are complied with.
- 2. Not Applicable.

COMPONENT SPECIAL PICKUP

- 1. Component descriptions marked with the identifier "(CT)" are subject to annual pickup and Conformity Testing.
- 2. Not Applicable.

DESCRIPTION

Notes:

- 1. Component Substitution
 - a) Critical components (those identified by mfr name, cat no), which are NOT identified with either "INT" or "INT*" are not eligible for substitution without evaluation and report updating
 - b) The term "INT" means a "Certified" and/or "Listed" (or a "Recognized" and/or "Accepted") component may be replaced by one "Certified" and/or "Listed" by another certification organization accredited by the appropriate accreditation body or scheme requirements to the correct standard, for the same application; providing the applicable country identifiers are included and requirements in item "d" below are complied with.
 - c) The Term "(INT*)" means a "Recognized" and/or "Accepted" component may be replaced by a component that is CSA Certified. The applicable country identifiers shall be included, the requirements in item "d" below as well as any "conditions of suitability" for the component (as recorded in this descriptive report) shall be complied with;
 - d) Components which have been substituted, must be of an equivalent rating, configuration (size, orientation, mounting) and the applicable minimum creepage and clearance distances are to be maintained from live parts to bonded metal parts and secondary parts.
 - e) Substitution of a "Certified" and/or "Listed" component with a component that is "Recognized" or "Accepted" is not permitted without evaluation and report updating.
 - f) Substitution of a "Recognized" and/or "Accepted" component by one that is not CSA Certified is not permitted without a proper evaluation as well as a report update because the Conditions of Acceptance of the original component may be different than the Conditions of Acceptance of the substitute component.

These models are foldable and portable gas grill with 2 wheels. They only use 11b Propane cylinder. Model STG1150 lid color is orange, model STG1150 has the same construction as model STG1150HD except that lid color is black.

Model Number Breakdown

STG1150, STG1150HD	STOK models
MK-B01-A	WH model

MK-B01-B/C/D/E Other models
G8401-BLACK, G8401-ORANGE R.W.FLAME, Kismile, Joy Pebble

INSTALLATION CLEARANCES

Sides 36 inches
Rear 36 inches
Floor Combustible

Gas Pressures

Outlet pressure of Combustion Regulator Valve

Manifold Pressure

Propane Gas

For models: STG1150, STG1150HD

13 in wc(KSUN RY0506 Combination valve)

10.5 in wc(GDA KR-101 Combination valve)

11 in wc for models: MK-B01-A/B/C/D/E, G8401-BLACK, G8401-ORANGE

Orifice Sizes

<u>Model</u>	<u>Propane</u>
STG1150, STG1150HD	Main Burner 1.13mm (KSUN RY0506)
STG1150, STG1150HD	Main Burner 1.13mm (GDA KR-101)
MK-B01-A/B/C/D/E	Main Burner 1.12mm (FRD FR90D)
MK-B01-A/B/C/D/E	Main Burner 1.12mm (GDA GR-111E)
G8401-BLACK, G8401-ORANGE	Main Burner 1.12mm (FRD FR90D)
G8401-BLACK, G8401-ORANGE	Main Burner 1.12mm (GDA GR-111E)

GAS COMPONENTS

TYPE OF CONTROL	MFR. OF CONTROL	MFR. MODEL NUMBER
For models other than MK-B01-A, MK-B01-B, MK-B01-C, MK-B01-D, MK-B01-E, G8401-BLACK, G8401-ORANGE.		
Electrode	Ruichuang	RZ-112 (CSA 2621818)
Wire	Jiangsu Naian	3573 (UL E217633)
	Jiangsu Haosi	3573 (UL E357991)
	Jiangsu Ansheng	3071 3122 3135 3239 (UL E333030)
Igniter	Ruichuaung	RD-X101 (CSA 2577509)
Combination Regulator Valve	KSUN	RY0506 (CSA 2621126)
	GDA	KR-101 (CSA 2341066)

Label	Zhongshan Zhantu	zt-2 (CSA 70132823)
For models MK-B01-A, MK-B01-B, MK-B01-C, MK-B01-D, MK-B01-E, G8401-BLACK, G8401-ORANGE.		
Gas Valve	FRD	FC00 (CSA 70108069)
	GDA	GL1B (CSA 1439467)
Regulator	GDA	GR-111E (CSA 1602833)
	FRD	FR90D (CSA 70108064)
Electrode	Ruichuang	RZ-212 (CSA 2621818)
	Yangzhou Yanyangtian	YYT-DHZ-CSA01 (CSA 70147056)
Wire	HAOCHENG	3573 (UL E227587)
	Jiangsu Haosi	3573 (UL E357991)
Label	Guangdong Tianyue	TY25#A-125 (CSA 70044611)
	Zhongshan Zhantu	zt-2 (CSA 70132823)

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Figure NO. DESCRIPTION

Project 70194626

Drawings

1. STG1150 Drawing(total Pages 74)

Instruction Manuals and Markings

2. STG1150 IM EN&FR
3. STG1150 MARKING EN&FR&SP
4. STG1150 Lighting instruction EN&FR
5. GUARANTEE LETTER
6. Letter of Authorization

Project 70206796

Drawings

7. Alternate component for STG1150 (total Pages 2)

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Drawings

8. Alternate drawings for MK-B01-A (total Pages 71)

Instruction Manuals and Markings

9. MK-B01-A IM EN&FR
10. MK-B01-A MARKING EN&FR&SP

11. MK-B01-A Lighting instruction and panel screen printing EN&FR

12. GUARANTEE LETTER

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Instruction Manuals and Markings

13. MK-B01-B IM EN&FR

14. MK-B01-B MARKING EN&FR

15. Guarantee Letter

TEST HISTORY

Project 70194626

The following tests were conducted in:

CCIC-CSA International Certification Co., Ltd.

No.10, KeYan Road, Science Park,

Guangzhou, China

Test data for this project is stored in Documentum.

This is an original certification project on models STG1150 and STG1150HD portable gas top grill. Models STG1150 and STG1150HD are foldable and portable gas top grill with 2 wheels. They only use 1lb Propane cylinder. Model STG1150 lid color is orange, model STG1150 has the same construction as model STG1150HD except that lid color is black. The following tests were conducted on model STG1050 and satisfactory results were found:

ANSI Z21.89-2017/CSA 1.18 -2017 Outdoor Cooking Specialty Gas Appliances

Section 4 Construction

Section 5 Performance

5.1 General

5.2 Test gases - Propane

5.3 Test pressures and burner adjustments

5.4 Burner capacities

5.5 Combustion

5.6 Burner operating characteristics

5.7 Burner placement and integrity

5.8 Ignition

5.9 Performance of LP gas cylinder connection devices – NA. Cylinder not supplied.

5.10 Manual gas valves –NA. Certified valves.

5.11 Automatic valves – NA. Manual valves.

5.12 Gas pressure regulator- NA. No Gas Appliance pressure regulator

5.13 Combination regulator valve – low pressure

5.14 Manifold and control assembly capacity –NA. Certified pressure regulator.

5.15 Orifice and orifice fittings

5.16 Temperatures of gas carrying components

5.17 Oil overflow test for turkey fryer – NA. Not turkey fryer

- 5.18 Drip trays
- 5.19 Burner blockage – NA. Ports were protected.
- 5.20 Appliance structure
- 5.21 Wall and floor temperatures
- 5.22 Handle temperatures
- 5.23 Rain test
- 5.24 Nonmetallic panels – NA. Not Nonmetallic panels
- 5.25 Wind test
- 5.26 Permanently attached marking tags.-NA. Use certified type
- 5.27 Thermometer scale misalignment - NA. Not fryer
- 5.28 Thermometer scale marking material resistance to oil – NA. Not fryer
- 5.29 Thermometer calibration – NA. Not fryer
- 5.30 Turkey fryer oil temperature test – NA. Not turkey fryer
- 5.31 Marking material adhesion and legibility – NA. Use certified type

See main archive file for details of testing.

Section 6 Manufacturing and Production Test Plan

Construction Review:

Construction review performed with satisfactory results.

Project 70206796

The following tests were conducted in:
CCIC-CSA International Certification Co., Ltd.
No.10, KeYan Road, Science Park,
Guangzhou, China

Test data for this project is stored in Documentum.

Update report 70194626 to add alternate component combination regulator valve KR-101 for certified models STG1150 and STG1150HD portable gas top grill. The following tests were conducted on model STG1050 with KR-101 and satisfactory results were found:

ANSI Z21.89-2017/CSA 1.18 -2017 Outdoor Cooking Specialty Gas Appliances

Section 4 Construction- Partial

Section 5 Performance

- 5.1 General
- 5.2 Test gases - Propane
- 5.3 Test pressures and burner adjustments
- 5.4 Burner capacities
- 5.5 Combustion
- 5.6 Burner operating characteristics
- 5.7 Burner placement and integrity – Extended from 70194626 model STG1150
- 5.8 Ignition
- 5.9 Performance of LP gas cylinder connection devices – NA. Cylinder not supplied.
- 5.10 Manual gas valves –NA. Certified valves.

- 5.11 Automatic valves – NA. Manual valves.
- 5.12 Gas pressure regulator- NA. No Gas Appliance pressure regulator
- 5.13 Combination regulator valve – low pressure
- 5.14 Manifold and control assembly capacity –NA. Certified pressure regulator.
- 5.15 Orifice and orifice fittings – Extended from 70194626 model STG1150
- 5.16 Temperatures of gas carrying components – Extended from 70194626 model STG1150
- 5.17 Oil overflow test for turkey fryer – NA. Not turkey fryer
- 5.18 Drip trays – Extended from 70194626 model STG1150
- 5.19 Burner blockage – NA. Ports were protected.
- 5.20 Appliance structure – Extended from 70194626 model STG1150
- 5.21 Wall and floor temperatures – Extended from 70194626 model STG1150
- 5.22 Handle temperatures – Extended from 70194626 model STG1150
- 5.23 Rain test – Extended from 70194626 model STG1150
- 5.24 Nonmetallic panels – NA. Not Nonmetallic panels
- 5.25 Wind test – Extended from 70194626 model STG1150
- 5.26 Permanently attached marking tags.-NA. Use certified type
- 5.27 Thermometer scale misalignment - NA. Not fryer
- 5.28 Thermometer scale marking material resistance to oil – NA. Not fryer
- 5.29 Thermometer calibration – NA. Not fryer
- 5.30 Turkey fryer oil temperature test – NA. Not turkey fryer
- 5.31 Marking material adhesion and legibility – NA. Use certified type

See main archive file for details of testing.

Section 6 Manufacturing and Production Test Plan – Extended from 70194626 model STG1150

Construction Review:

Construction review performed with satisfactory results.

Project 80130962

The following tests were conducted in:
CCIC-CSA International Certification Co., Ltd.
No.10, KeYan Road, Science Park,
Guangzhou, China

Test data for this project is stored in Sharepoint.

Update report 70194626 to add new portable gas top grill models MK-B01-A, MK-B01-B, MK-B01-C, MK-B01-D, MK-B01-E.

Model MK-B01-A are the same as list model STG1150 except that:

1. Changed installation direction of 1 lb propane cylinder from vertical to 45 degrees.
2. Changed operation valve from combination regulator assembly to separate valve and regulator.
3. Changed manual ignition device from spark electric to piezo-electric.
4. Minor changed the appearance of wheels, foot pedal, side platform and lighting rod.

Models MK-B01-B, MK-B01-C, MK-B01-D, MK-B01-E are the same as MK-B01-A except that difference customer model name.

Due to the differences, the following tests were conducted on model MK-B01-A and satisfactory results were found:

ANSI Z21.89-2017/CSA 1.18 -2017 Outdoor Cooking Specialty Gas Appliances

Section 4 Construction- Partial

Section 5 Performance

5.1 General

5.2 Test gases

5.3 Test pressures and burner adjustments

5.4 Burner capacities

5.5 Combustion - Extended from 70194626 model STG1150

5.6 Burner operating characteristics

5.7 Burner placement and integrity - Extended from 70194626 model STG1150

5.8 Ignition

5.9 Performance of LP gas cylinder connection devices - NA. Cylinder not supplied.

5.10 Manual gas valves - Waived. Certified valves.

5.11 Automatic valves - NA. Manual valves.

5.12 Gas pressure regulator - Waived. Certified valves.

5.13 Combination regulator valve - NA. No use.

5.14 Manifold and control assembly capacity - NA. No manifold and gas control assembly.

5.15 Orifice and orifice fittings - Extended from 70194626 model STG1150

5.16 Temperatures of gas carrying components

5.17 Oil overflow test for turkey fryer - NA. Not turkey fryer

5.18 Drip trays - Extended from 70194626 model STG1150

5.19 Burner blockage - NA. Ports were protected.

5.20 Appliance structure - Tip only.

5.21 Wall and floor temperatures - Extended from 70194626 model STG1150

5.22 Handle temperatures

5.23 Rain test

5.24 Nonmetallic panels - NA. Not Nonmetallic panels

5.25 Wind test

5.26 Permanently attached marking tags - No. No use markings tags

5.27 Thermometer scale misalignment - NA. Not fryer

5.28 Thermometer scale marking material resistance to oil - NA. Not fryer

5.29 Thermometer calibration - NA. Not fryer

5.30 Turkey fryer oil temperature test - NA. Not turkey fryer

5.31 Marking material adhesion and legibility - Waived. Use certified type

See main archive file for details of testing.

Construction Review:

Construction review performed with satisfactory results.

This Edition supersedes all previous editions.

Project 80204505 (Ed. 4)

MASTER CONTRACT: 0000273419

REPORT: 70194626

PROJECT: 80204505

Page No: 11

Date Issued: April 24, 2024

This project is to update report No. 70194626 to latest standards, add alternate listed components and customer models G8401-BLACK, G8401-ORANGE of R.W.FLAME, Kismile, Joy Pebble.

Construction Review:

Construction review performed with satisfactory results.