



Descriptive Report and Test Results

MASTER CONTRACT: 300264
REPORT: 80061670
PROJECT: 80092481

Edition 1: April 1, 2021; Project 80061670 - Guangzhou
Prepared By: Lester Lin
Authorized By: Vincent Ou

Edition 2: December 10, 2021; Project 80092481 - Guangzhou
Prepared By: Vincent Ou
Authorized By: Jeff Hu
Figure no.71 to 74 were added.
Report pages reissued

Contents: Certificate of Compliance - Page 1 to 2
Supplement to Certificate of Compliance - Page 1
Description and Tests - Pages 1 to 18
Att1 Figures - 1 to 74
Att2 – Clause 6 M&P Plan

PRODUCTS

CLASS 2711 81 – DOMESTIC GAS COOKING APPLIANCES – Ranges - Certified to U.S. Standard.
CLASS 2711 01 – DOMESTIC GAS COOKING APPLIANCES – Ranges

Model Number	Rating (Btu/Hr)
For Use with Natural and Propane Gas	
Cooktop models	
JZY/JZT-HQ3B70AMGIK	30,000
JZY/JZT-HQ4B61AMGIK	31,600
JZY/JZT-HQ4B60AMGIK	27,400
JZY/JZT-HQ4B60BMGIK	27,400
JZY/JZT-HQ4B64AMGIK	27,400
JZY/JZT-HQ4B64BMGIK	27,400
JZY/JZT-HQ4L64AMGIK	27,400
JZY/JZT-HQ4L60AMGIK	27,400
JZY/JZT-HQ4B67AMGIK	31,600
JZY/JZT-HQ4L67AMGIK	31,600
JZY/JZT-HQ5B90AMGIK	37,600
JZY/JZT-HQ5B90BMGIK	37,600
JZY/JZT-HQ5B90CMGIK	37,600
JZY/JZT-HQ5L90AMGIK	37,600
JZY/JZT-HQ5L90CMGIK	37,600
JZY/JZT-HQ5B70AMGIK	37,600
JZY/JZT-HQ5L70AMGIK	37,600

The reader is responsible for any liability arising from actions taken in interpreting or applying the results presented in this report. This report shall not be reproduced except in full, without written approval from CSA Group Testing & Certification Inc. The results of this report only relate to those items tested.

15253 Don Julian Road City of industry CA,91745 USA
Telephone: (888)682-8882 Fax: NA www.Empava.com

JZY/JZT-HQ5B90DMGIK	37,600
JZY/JZT-HQ5B90EMGIK	37,600
JZY/JZT-HQ5B90FMGIK	37,600
JZY/JZT-HQ5B90GMGIK	37,600
JZY/JZT-HQ5L90DMGIK	37,600
JZY/JZT-HQ5L90EMGIK	37,600
JZY/JZT-HQ5B90IMGIK	37,600
JZY/JZT-HQ5B90JMGIK	43,600
JZY/JZT-HQ5B90KMGIK	37,600
JZY/JZT-HQ5B90LMGIK	37,600
JZY/JZT-HQ5B70BMGIK	37,600
JZY/JZT-HQ5B70CMGIK	37,600
JZY/JZT-HQ5B90PMGIK	37,600
JZY/JZT-HQ5B90HMGIK	37,600
JZY/JZT-HQ5B90QMGIK	37,600
JZY/JZT-HQ5B90SMGIK	37,600
JZY/JZT-HQ5L90JMGIK	37,600
JZY/JZT-HQ5L90IMGIK	37,600
JZY/JZT-HQ5B90RMGIK	37,600

NOTE:

“M”=“A” or “B” or “C” or “D”,

“A” means burner (front control triple ring burner)

“B” means burner (front control single ring burner)

“C” means burner (side control triple ring burner)

“D” means burner (side control single ring burner)

“G”=“Z” or “E”, “Z” means cast iron pan support, “E” means enamel pan support.

“I”=“X”, “X” means flameout protection.

“K”=“A” or “D”, “A” means alternating current (AC: 120v, 60Hz), “D” means direct current (1.5V).

Model Number	Rating (Btu/Hr)
For Use with Natural and Propane Gas	
Cooktop models	
JZT(JZY)-HQ5B73DAZXA	57,500
JZT(JZY)-HQ5B93TAZXA	57,500
JZT(JZY)-HQ5B73EAZXA	57,500
JZT(JZY)-HQ5B93UAZXA	57,500
JZT(JZY)-HQ5B73FAZXA	57,500
JZT(JZY)-HQ5B90WAZXA	41,800
JZT(JZY)-HQ5B70GAZXA	41,800
JZT(JZY)-HQ2B30ABZXA	18,000
JZT(JZY)-HQ2B30BBZXA	18,000
JZT(JZY)-HQ5B70DAZXA	41,800
JZT(JZY)-HQ5B90TAZXA	41,800
JZT(JZY)-HQ5B70IAZXA	41,800
JZT(JZY)-HQ5B90XAZXA	41,800
JZT(JZY)-HQ5B70FAZXA	41,800
JZT(JZY)-HQ5B73CAZXA	55,000
JZT(JZY)-HQ5B93CAZXA	55,000

JZT(JZY)-HQ5B90YAZXA

37,600

NOTE:

Model numbers with “JZT” is shipped from factory with natural gas orifices.

Model numbers with “JZY” is shipped from factory with propane gas orifices

APPLICABLE REQUIREMENTS

For all models except JZT(JZY)-HQ5B73DAZXA, JZT(JZY)-HQ5B93TAZXA, JZT(JZY)-HQ5B73EAZXA, JZT(JZY)-HQ5B93UAZXA, JZT(JZY)-HQ5B73FAZXA, JZT(JZY)-HQ5B90WAZXA, JZT(JZY)-HQ5B70GAZXA, JZT(JZY)-HQ2B30ABZXA, JZT(JZY)-HQ2B30BBZXA, JZT(JZY)-HQ5B70DAZXA, JZT(JZY)-HQ5B90TAZXA, JZT(JZY)-HQ5B70IAZXA, JZT(JZY)-HQ5B90XAZXA, JZT(JZY)-HQ5B70FAZXA, JZT(JZY)-HQ5B73CAZXA, JZT(JZY)-HQ5B93CAZXA, JZT(JZY)-HQ5B90YAZXA:
ANSI Z21.1-2016•CSA 1.1-2016 Household Cooking Gas Appliances

For models JZT(JZY)-HQ5B73DAZXA, JZT(JZY)-HQ5B93TAZXA, JZT(JZY)-HQ5B73EAZXA, JZT(JZY)-HQ5B93UAZXA, JZT(JZY)-HQ5B73FAZXA, JZT(JZY)-HQ5B90WAZXA, JZT(JZY)-HQ5B70GAZXA, JZT(JZY)-HQ2B30ABZXA, JZT(JZY)-HQ2B30BBZXA, JZT(JZY)-HQ5B70DAZXA, JZT(JZY)-HQ5B90TAZXA, JZT(JZY)-HQ5B70IAZXA, JZT(JZY)-HQ5B90XAZXA, JZT(JZY)-HQ5B70FAZXA, JZT(JZY)-HQ5B73CAZXA, JZT(JZY)-HQ5B93CAZXA, JZT(JZY)-HQ5B90YAZXA:
CSA/ANSI Z21.1-2018•CSA 1.1-2018 Household Cooking Gas Appliances

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.64 to 67. The specifications of the marking system as follows: Rating plate is Class IIIA-2 by LECCO (ZHONG SHAN) ADHESIVE PRODUCTS CO LTD, with the maximum temperature 123C when affixed to galvanized steel. Alternate marking material is from YING ZHI TECHNOLOGY CO LTD.

ALTERATIONS

Project 70154506: (Transfer from MC 230994)

- The knob material is changed from metal to plastic of model JZY/JZT-HQ5B90JAZXA to pass Clause 5.18 knob temperatures test. Can see figure 25, Page 9 for detail.

Project 80061670:

- To pass the wall, floor and enclosure temperature test, the clearance from back wall to appliance changed from 55mm to 180mm; the minimum horizontal distance between overhead cabinets located on either side of the appliance changed from 30 inches to 36 inches.

Project 80092481 – No alteration required.

FACTORY TESTS

Factory tests to be in accordance with clause 6 of the applicable requirements detailed in the Certificate of Compliance

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

<u>Test</u>	<u>Frequency</u>
Test Fire Burner, manifold & Control Assy. –Proper Operation Pass/Fail Criteria: Valves shall turn freely Spark igniter shall light the main burner(s) Burner flames shall carryover and burn at all ports	100%
Manifold and Control Assembly – Gas Tightness Pass/Fail Criteria: No leakage shall be observed	100%
Electrical components operation Pass/Fail Criteria: Each electrical component function properly.	100%
Dielectric withstand with solid state components connected Pass/Fail Criteria: Leakage current shall not exceed 0.5 ma. No breakdown for a period of 1 minute.	100%
Burner Operating Characteristics Pass/Fail Criteria: The burner shall light without delay The burner flames shall carryover and burn at all ports Flames shall not flash outside the enclosure The burner shall not flash back Ignition and extinction shall occur without undo noise There shall be no backpressure at the burner mixer face The main burners shall not extinguish from a 3-mph draft	3 per 51 to 500, no less than once per week
Ignition Systems and Safety shutoff devices Pass/Fail Criteria: Time on shall not exceed 90 seconds Time off shall not exceed 180 seconds The spark igniter shall ignite the main burner without delay	3 per 51 to 500, no less than once per week
Combustion Pass/Fail Criteria: CO Air Free levels shall not exceed 0.08 percent.	3 per 51 to 500, no less than once per week
Burn Hazard Potential & Handle Temperatures Pass/Fail Criteria: Temperature of the exterior surfaces shall not exceed	3 per 51 to 500, no less than once per week

the maximum surface temperature listed in Table 12. Temp. of Knobs & Handles shall not exceed max. temp. listed in Table 13.

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.

TYPE OF APPLIANCE

Household Cooking Gas Appl./Domestic Cooktops

ELECTRICAL RATINGS

120 VAC, 60 Hz for models use AC electric supply (manual ignition)

GAS PRESSURES

	<u>Natural Gas</u>	<u>LP/Propane Gas</u>
Manifold Pressure	4.0 in. W.C.	10.0 in. W.C.
Minimum Inlet Pressure	7.0 in. W.C.	11.0 in. W.C.
Maximum Supply Pressure	10.0 in. W.C.	14.0 in. W.C.

MODEL NUMBER BREAKDOWN AND DESCRIPTION

JZY/JZT-HQ4B61AMGIK

JZ – Normal cooktop

Y – Ship from factory adjusted for use with Propane

T – Ship from factory adjusted for use with Natural Gas

HQ – Built-in type

4 – Burners amount

B – B/L. B: Stainless top panel; L: Glass top panel

6 – 6/7/9, width of the cooktop

1 – 0/1/4/7. 0/1: knobs at front; 4: knobs at side; 7: knobs apart at front

A: A/B. Design sequence

M/G/I/K: Refer to PRODUCTS part for detail

Model Number	Top Burners Input rating (Btu/hr)
JZY/JZT-HQ3B70AMGIK	L: 12,000 M: 6,000 R: 12,000
JZY/JZT-HQ4B60AMGIK JZY/JZT-HQ4B60BMGIK JZY/JZT-HQ4B64AMGIK JZY/JZT-HQ4B64BMGIK JZY/JZT-HQ4L64AMGIK JZY/JZT-HQ4L60AMGIK	RF: 3,400 RR: 6,000 LF: 12,000 LR: 6,000
JZY/JZT-HQ4B61AMGIK	RF: 3,400 RR: 10,200 LF: 12,000 LR: 6,000
JZY/JZT-HQ4B67AMGIK JZY/JZT-HQ4L67AMGIK	Front: 3,400 Right: 10,200 Rear: 6,000 Left: 12,000
JZY/JZT-HQ5B90AMGIK JZY/JZT-HQ5B90BMGIK JZY/JZT-HQ5B70AMGIK JZY/JZT-HQ5B90EMGIK JZY/JZT-HQ5B90GMGIK JZY/JZT-HQ5B90IMGIK JZY/JZT-HQ5B90KMGIK JZY/JZT-HQ5B90LMGIK JZY/JZT-HQ5B70BMGIK JZY/JZT-HQ5B70CMGIK JZY/JZT-HQ5B90PMGIK JZY/JZT-HQ5B90QMGIK JZY/JZT-HQ5B90RMGIK	RF: 3,400 RR: 6,000 M: 12,000 LF: 6,000 LR: 10,200
JZY/JZT-HQ5B90CMGIK JZY/JZT-HQ5L90CMGIK JZY/JZT-HQ5B90HMGIK JZY/JZT-HQ5B90SMGIK	LF: 6,000 LR: 10,200 MF: 3,400 MR: 6,000 Right: 12,000
JZY/JZT-HQ5L90AMGIK JZY/JZT-HQ5L90DMGIK	LF: 3,400 LR: 6,000 M: 12,000 RF: 6,000 RR: 10,200
JZY/JZT-HQ5L70AMGIK	LF: 10,200 LR: 6,000 MF: 3,400 MR: 6,000 Right: 12,000
JZY/JZT-HQ5B90DMGIK JZY/JZT-HQ5B90FMGIK	RF: 3,400 RR: 6,000

JZY/JZT-HQ5L90EMGIK JZY/JZT-HQ5L90JMGIK JZY/JZT-HQ5L90IMGIK	M: 12,000 LF: 10,200 LR: 6,000
JZY/JZT-HQ5B90JMGIK	RF: 10,200 RR: 3,400 M: 12,000 LF: 12,000 LR: 6,000
JZT(JZY)-HQ5B73DAZXA, JZT(JZY)- HQ5B93TAZXA, JZT(JZY)- HQ5B73EAXXA, JZT(JZY)- HQ5B93UAZXA,	RF: 6,000 RR: 12,000 M: 18,000 LF: 9,500 LR: 12,000
JZT(JZY)-HQ5B73FAZXA	MF: 6,000 MR: 12,000 Right: 18,000 LF: 9,500 LR: 12,000
JZT(JZY)-HQ5B90WAZXA, JZT(JZY)- HQ5B70GAZXA, JZT(JZY)- HQ5B70DAZXA, JZT(JZY)- HQ5B90TAZXA, JZT(JZY)- HQ5B70IAZXA, JZT(JZY)- HQ5B90XAZXA	RF: 3,400 RR: 10,200 M: 12,000 LF: 6,000 LR: 10,200
JZT(JZY)-HQ5B70FAZXA	MF: 3,400 MR: 10,200 Right: 12,000 LF: 6,000 LR: 10,200
JZT(JZY)-HQ5B73CAZXA, JZT(JZY)- HQ5B93CAZXA	RF: 6,000 RR: 9,500 M: 18,000 LF: 9,500 LR: 12,000
JZT(JZY)- HQ5B90YAZXA	RF: 3,400 RR: 6,000 M: 12,000 LF: 6,000 LR: 10,200
JZT(JZY)-HQ2B30ABZXA, JZT(JZY)- HQ2B30BBZXA	Front: 6,000 Rear: 12,000

ORIFICE SIZE

Model Number	Natural Gas	Propane Gas
All models except JZT(JZY)-HQ5B73DAZXA, JZT(JZY)-HQ5B93TAZXA, JZT(JZY)-HQ5B73EAXXA, JZT(JZY)-HQ5B93UAZXA, JZT(JZY)-HQ5B73FAZXA, JZT(JZY)-HQ5B73CAZXA, JZT(JZY)-HQ5B93CAZXA		
3,400 Btu/hr burner	0.83mm	0.56mm
6,000 Btu/hr burner	1.14mm	0.75mm

10,200 Btu/hr burner	1.50mm	0.97mm
12,000 Btu/hr burner	1.62mm	1.06mm

Models JZT(JZY)-HQ5B73DAZXA, JZT(JZY)-HQ5B93TAZXA, JZT(JZY)-HQ5B73EAZXA, JZT(JZY)-HQ5B93UAZXA, JZT(JZY)-HQ5B73FAZXA, JZT(JZY)-HQ5B73CAZXA, JZT(JZY)-HQ5B93CAZXA

6,000 Btu/hr burner	1.11mm	0.72mm
9,500 Btu/hr burner	1.42mm	0.88mm
12,000 Btu/hr burner	1.56mm	1.01mm
18,000 Btu/hr burner	2.18mm	1.22mm

CLEARANCES/INSTALLATION

- The minimum horizontal distance from back and sides of the appliance to adjacent vertical combustible walls extending 18 inches above the top panel (to combustible cabinet surfaces, sides only) is as follows:
All models except JZT(JZY)-HQ5B73DAZXA, JZT(JZY)-HQ5B93TAZXA, JZT(JZY)-HQ5B73EAZXA, JZT(JZY)-HQ5B93UAZXA, JZT(JZY)-HQ5B73FAZXA, JZT(JZY)-HQ5B73CAZXA, JZT(JZY)-HQ5B93CAZXA

Rear wall: 55mm
Sides: 100mm

Models JZT(JZY)-HQ5B73DAZXA, JZT(JZY)-HQ5B93TAZXA, JZT(JZY)-HQ5B73EAZXA, JZT(JZY)-HQ5B93UAZXA, JZT(JZY)-HQ5B73FAZXA, JZT(JZY)-HQ5B73CAZXA, JZT(JZY)-HQ5B93CAZXA

Rear wall: 180mm
Sides: 120mm

- The minimum clearances below the (Cooktop) cooking surface are:

Right side: 0 inches
Left side: 0 inches
Rear: 0 inches

- The minimum clearance from the sides of the range above the countertop to combustible sidewalls is 10 inches.

- The minimum horizontal distance between overhead cabinets located on either side of the appliance is as follows:
All models except JZT(JZY)-HQ5B73DAZXA, JZT(JZY)-HQ5B93TAZXA, JZT(JZY)-HQ5B73EAZXA, JZT(JZY)-HQ5B93UAZXA, JZT(JZY)-HQ5B73FAZXA, JZT(JZY)-HQ5B73CAZXA, JZT(JZY)-HQ5B93CAZXA

30 inches.

Models JZT(JZY)-HQ5B73DAZXA, JZT(JZY)-HQ5B93TAZXA, JZT(JZY)-HQ5B73EAZXA, JZT(JZY)-HQ5B93UAZXA, JZT(JZY)-HQ5B73FAZXA, JZT(JZY)-HQ5B73CAZXA, JZT(JZY)-HQ5B93CAZXA

36 inches.

- The minimum vertical clearances to overhead combustible cabinet surfaces located on either side of the appliance is 18 inches above the cooktop.

- The maximum depth of overhead cabinets is 13 inches.

GAS CONTROL ASSEMBLIES

Read columns vertically
 for complete assemblies

TYPE OF CONTROL	MFR. OF CONTROL	MFR. MODEL NUMBER	SIZE OF CONTROL	
			NATURAL	LP/ PROPANE
For all models except JZT(JZY)-HQ5B73DAZXA, JZT(JZY)-HQ5B93TAZXA, JZT(JZY)-HQ5B73EAZXA, JZT(JZY)-HQ5B93UAZXA, JZT(JZY)-HQ5B73FAZXA, JZT(JZY)-HQ5B73CAZXA, JZT(JZY)-HQ5B93CAZXA				
Gas Pressure Regulator	KSUN	RN0604C (CSA 2719908)	X	X
		RN1204C (CSA 2719908)	X	X
	Laite	JY60NP (CSA 2672348)	X	X
		JY120NP (CSA 2672348)	X	X
Valve	Leetron	SAC190 (CSA1769698)	X	X
Igniter	Yangzhou Baoamac	505006000 (CSA 1997335) 505002000 (CSA 1997335) – For 2 burners models		
Thermocouple	Ninghai Aokai	FJDC-C2 (CSA 1976976)		
Electrode	Baoying County Ningbo Henghui	HY4-0006a (CSA 1921829)		
		ZH-208A (CSA 2166273)		
Ignition Wire	Jiangsu Haosi	1332 (UL E357991) (20AWG)		
Supply Cord	Guangdong Xiongrun	XR-301 (E202744) (18AWG)		
Junction Box	Huangzhong Electrical	TC1-2 (UL E225297)		
		Electro Terminal KADO FL (UL E202631)		
Wire	Yuancheng Electric	3122 (UL E343433) (20AWG)		
	Tiancheng Electronic	3122 (UL E332921) (20AWG)		
	Dongguan Sheng Pai	3122 (UL E347603) (20AWG)		
Microswitch	Dongnan Electronics	KW3A (UL E176213)		
	Shunde Hushun	LXW-16 (UL E236364)		
	Zhejiang Jialong	MX12 (UL E317967)		
Marking	Lecco (Zhongshan)	0702/0741/0743 (UL MH29167)		
	Ying Zhi	YZ0001/YZ0002/YZ0003 (UL MH49993)		
JZT(JZY)-HQ5B73DAZXA, JZT(JZY)-HQ5B93TAZXA, JZT(JZY)-HQ5B73EAZXA, JZT(JZY)-HQ5B93UAZXA, JZT(JZY)-HQ5B73FAZXA, JZT(JZY)-HQ5B73CAZXA, JZT(JZY)-HQ5B93CAZXA				
Gas Pressure Regulator	KSUN	RN0604C (CSA 2719908)	X	X
		RN1204C (CSA 2719908)	X	X
	Laite	JY60NP (CSA 2672348)	X	X
		JY120NP (CSA 2672348)	X	X
Valve	Leetron	AC190 (CSA1769698)	X	X

Igniter	DEFENDI	RI305 (CSA 70214882)
Electrode	Sabaf	694xxxxx (UL MH48183)
Ignition Wire	QIAN LI MA	1911 (UL E204933)
Supply Cord	Guangdong XiongrunXR-301 (E202744) (18AWG)	
Junction Box	Huangzhong Electrical TC1-2 (UL E225297) Electro Terminal KADO FL (UL E202631)	
Wire	Yuancheng Electric 3122 (UL E343433) (20AWG) Tiancheng Electronic 3122 (UL E332921) (20AWG) Dongguan Sheng Pai 3122 (UL E347603) (20AWG)	
Microswitch	Dongnan Electronics KW3A (UL E176213) Shunde Hushun LXW-16 (UL E236364) Zhejiang Jialong MX12 (UL E317967)	
Marking	Lecco (Zhongshan) 0702/0741/0743 (UL MH29167) Ying Zhi YZ0001/YZ0002/YZ0003 (UL MH49993)	

INDEX

Figure No.	Description
Project 70154506	
Drawings	
01	JZY/JZT-HQ3B70AMGIK drawings (Page 1 to 43)
02	JZY/JZT-HQ4B60AMGIK drawings (Page 1 to 73)
03	JZY/JZT-HQ4B60BMGIK drawings (Page 1 to 63)
04	JZY/JZT-HQ4B61AMGIK drawings (Page 1 to 56)
05	JZY/JZT-HQ4B64AMGIK drawings (Page 1 to 63)
06	JZY/JZT-HQ4B64BMGIK drawings (Page 1 to 59)
07	JZY/JZT-HQ4B67AMGIK drawings (Page 1 to 55)
08	JZY/JZT-HQ4L60AMGIK drawings (Page 1 to 56)
09	JZY/JZT-HQ4L64AMGIK drawings (Page 1 to 57)
10	JZY/JZT-HQ4L67AMGIK drawings (Page 1 to 62)
11	JZY/JZT-HQ5B90AMGIK drawings (Page 1 to 60)
12	JZY/JZT-HQ5B90BMGIK drawings (Page 1 to 60)
13	JZY/JZT-HQ5B90CMGIK drawings (Page 1 to 62)
14	JZY/JZT-HQ5L90AMGIK drawings (Page 1 to 61)
15	JZY/JZT-HQ5L90CMGIK drawings (Page 1 to 61)
16	JZY/JZT-HQ5B70AMGIK drawings (Page 1 to 60)
17	JZY/JZT-HQ5L70AMGIK drawings (Page 1 to 60)
18	JZY/JZT-HQ5B90DMGIK drawings (Page 1 to 60)
19	JZY/JZT-HQ5B90EMGIK drawings (Page 1 to 61)
20	JZY/JZT-HQ5B90FMGIK drawings (Page 1 to 61)
21	JZY/JZT-HQ5B90GMGIK drawings (Page 1 to 61)
22	JZY/JZT-HQ5L90DMGIK drawings (Page 1 to 59)
23	JZY/JZT-HQ5L90EMGIK drawings (Page 1 to 60)

24	JZY/JZT-HQ5B90IMGIK drawings (Page 1 to 59)
25	JZY/JZT-HQ5B90JMGIK drawings (Page 1 to 61)
26	JZY/JZT-HQ5B90KMGIK drawings (Page 1 to 59)
27	JZY/JZT-HQ5B90LMGIK drawings (Page 1 to 61)
28	JZY/JZT-HQ5B70BMGIK drawings (Page 1 to 61)
29	JZY/JZT-HQ5B70CMGIK drawings (Page 1 to 61)
30	JZY/JZT-HQ5B90PMGIK drawings (Page 1 to 60)
31	JZY/JZT-HQ5B90HMGIK drawings (Page 1 to 59)
32	JZY/JZT-HQ5B90QMGIK drawings (Page 1 to 60)
33	JZY/JZT-HQ5B90SMGIK drawings (Page 1 to 59)
34	JZY/JZT-HQ5L90JMGIK drawings (Page 1 to 60)
35	JZY/JZT-HQ5L90IMGIK drawings (Page 1 to 60)
36	JZY/JZT-HQ5B90RMGIK drawings (Page 1 to 60)

Markings and Instruction manual

37	JZT-HQ5B90JMGIK DC model markings-EN
38	JZT-HQ5B90JMGIK DC model markings-FR
39	JZT-HQ5B90JMGIK AC model markings-EN
40	JZT-HQ5B90JMGIK AC model markings-FR
41	JZT-HQ5B90JMGIK conversion kit labels-EN
42	JZT-HQ5B90JMGIK conversion kit labels-FR
43	JZY-HQ5B90JMGIK DC model markings-EN
44	JZY-HQ5B90JMGIK DC model markings-FR
45	JZY-HQ5B90JMGIK AC model markings-EN
46	JZY-HQ5B90JMGIK AC model markings-FR
47	JZY-HQ5B90JMGIK conversion kit labels-EN
48	JZY-HQ5B90JMGIK conversion kit labels-FR
49	Marking locations
50	All models instruction manual-EN
51	All models Instruction manual-FR
52	Guarantee letter for markings

Project 80061670

Drawings of JZT(JZY)-HQ2B30ABZXA, JZT(JZY)-HQ2B30BBZXA, JZT(JZY)-HQ5B70GAZXA, JZT(JZY)-HQ5B90WAZXA

53	JZT(JZY)-HQ2B30ABZXA
54	JZT(JZY)-HQ2B30BBZXA
55	JZT(JZY)-HQ5B70GAZXA
56	JZT(JZY)-HQ5B90WAZXA
57	Universal drawings

Drawings of JZT(JZY)-HQ5B73DAZXA, JZT(JZY)-HQ5B73EAZXA, JZT(JZY)-HQ5B73FAZXA, JZT(JZY)-HQ5B93TAZXA, JZT(JZY)-HQ5B93UAZXA

58	JZT(JZY)-HQ5B73DAZXA
59	JZT(JZY)-HQ5B73EAZXA
60	JZT(JZY)-HQ5B73FAZXA
61	JZT(JZY)-HQ5B93TAZXA
62	JZT(JZY)-HQ5B93UAZXA
63	Universal drawings

Markings and Instruction Manual

64	JZT(JZY)-HQ2B30ABZXA Markings EN&FR
----	-------------------------------------

65	JZT(JZY)-HQ5B73DAZXA Markings EN&FR
66	JZT(JZY)-HQ5B73FAZXA Markings EN&FR
67	JZT(JZY)-HQ5B90WAZXA Markings EN&FR
68	JZT(JZY)-HQ5B73DAZXA, JZT(JZY)-HQ5B93TAZXA, JZT(JZY)-HQ5B73EAZXA, JZT(JZY)-HQ5B93UAZXA, JZT(JZY)-HQ5B73FAZXA Instruction Manual EN&FR
69	JZT(JZY)-HQ5B90WAZXA, JZT(JZY)-HQ5B70GAZXA, JZT(JZY)-HQ2B30ABZXA, JZT(JZY)-HQ2B30BBZXA Instruction Manual EN&FR
70	Guarantee Letter

Project 80061670

71	JZT/Y-HQ5B73CAZXA drawings (1 page, others are same as JZT/Y-HQ5B70CMGIK)
72	JZT/Y-HQ5B93CAZXA drawings (1 page, others are same as JZT/Y-HQ5B70CMGIK)
73	JZT/Y-HQ5B90YAZXA drawings (1 page, others are same as JZT/Y-HQ5B70CMGIK)
74	Declaration Letter for markings and instruction manuals

Manufacturer's tolerances have not been verified

CSA GROUP

TEST HISTORY

Project 70154506 (Transfer from MC 230994)

The following tests were conducted in:
CCIC-CSA International Certification Co. Ltd.
No. 10, Ke Yan Rd. Science Park of Guangzhou,
Guangdong,
China 510000
Tests Data stored in Documentum.

ANSI Z21.1-2016/CSA 1.1-2016 Household Cooking Gas Appliances

Original certification of domestic cooktop models JZT/JZY series

The JZT models are shipped from factory adjusted for use with NG, JZY models are shipped from factory adjusted for use with Propane. JZT models can be converted to Propane use and JZY can be converted to NG use. There're 3 burner model, 4 burner models and 5 burner models. All models use the same 4 kinds of burner: 12,000Btu/hr triple ring top burner, 10,200Btu/hr top burner, 6,000Btu/hr top burner and 3,400Btu/hr. Please see PRODUCTS, MODEL NUMBER DESCRIPTIONS and MODEL NUMBERS BREAKDOWN for detail. Models JZY-HQ4B64ACZXA, JZY-HQ4L67ABEXA, JZY-HQ5B90JAZXA were chosen as typical models, since they have the most critical design, such as highest total input rate, shortest clearance between burner and utensil support, various knob location to burners, so the test results can be extended to other models. Below tests were conducted on these models and satisfactory result was found:

Clause 1	Scope
Clause 4	Construction
Clause 5	Performance
5.1	General
5.2	Test gases
5.3	Test pressures and burner adjustments
5.4	Combustion
5.5	Burner and pilot operating characteristics
5.6	Top surface cooking section burner lighters
5.7	Ignition systems
5.8	Piloted ignition systems – DNA, no pilot
5.9	Direct ignition systems – DNA, no direct ignition systems
5.10	Proved igniter systems – DNA, no proved igniter
5.11	Manual gas valves – DNA, use certified type
5.12	Gas appliance pressure regulators – DNA, use certified type
5.13	Automatic valves – DNA, use certified type
5.14	Broiler temperature – DNA, no broiler
5.15	Broiler operation – DNA, no broiler
5.16	Evaluation of clothing ignition potential
5.17	Evaluation of burn hazard potential of exterior surfaces – DNA, no oven
5.18	Temperatures of handles, knobs, and touch pads
5.19	Wall, floor, and enclosure temperatures
5.20	Abnormal operation stalled-fan test – DNA, no fan
5.21	Flue gas temperature – DNA, no draft hood
5.22	Draft hoods – DNA, no draft hood
5.23	Exhaust hood outlet air temperature – DNA, no draft hood
5.24	Oven flue discharge temperatures – DNA, no oven

- 5.25 Performance of appliances provided with pyrolytic self-cleaning oven or self-cleaning broiler features – DNA, not self-cleaning type
- 5.26 Performance of an appliance incorporating a microwave cooking section – DNA, no microwave function
- 5.27 Marking material adhesion and legibility – DNA, use certified type
- 5.28 Safety circuit analysis – DNA, no safety circuit
- 5.29 Performance of appliances intended to be utilized with ventilation systems that direct air in a downward direction – DNA, no ventilation system

Construction Review:

Construction review performed with satisfactory results.

Project 80061670

The following tests were conducted in:
CCIC-CSA International Certification Co. Ltd.
No. 10, Ke Yan Rd. Science Park of Guangzhou,
Guangdong,
China 510000
Tests Data stored in Sharepoint.

ANSI Z21.1-2018/CSA 1.1-2018 Household Cooking Gas Appliances

Transfer report 70154506 from MC 230994 including models JZY/JZT-HQ3B70AMGIK, JZY/JZT-HQ4B61AMGIK, JZY/JZT-HQ4B60AMGIK, JZY/JZT-HQ4B60BMGIK, JZY/JZT-HQ4B64AMGIK, JZY/JZT-HQ4B64BMGIK, JZY/JZT-HQ4L64AMGIK, JZY/JZT-HQ4L60AMGIK, JZY/JZT-HQ4B67AMGIK, JZY/JZT-HQ4L67AMGIK, JZY/JZT-HQ5B90AMGIK, JZY/JZT-HQ5B90BMGIK, JZY/JZT-HQ5B90CMGIK, JZY/JZT-HQ5L90AMGIK, JZY/JZT-HQ5L90CMGIK, JZY/JZT-HQ5B70AMGIK, JZY/JZT-HQ5L70AMGIK, JZY/JZT-HQ5B90DMGIK, JZY/JZT-HQ5B90EMGIK, JZY/JZT-HQ5B90FMGIK, JZY/JZT-HQ5B90GMGIK, JZY/JZT-HQ5L90DMGIK, JZY/JZT-HQ5L90EMGIK, JZY/JZT-HQ5B90IMGIK, JZY/JZT-HQ5B90JMGIK, JZY/JZT-HQ5B90KMGIK, JZY/JZT-HQ5B90LMGIK, JZY/JZT-HQ5B70BMGIK, JZY/JZT-HQ5B70CMGIK, JZY/JZT-HQ5B90PMGIK, JZY/JZT-HQ5B90HMGIK, JZY/JZT-HQ5B90QMGIK, JZY/JZT-HQ5B90SMGIK, JZY/JZT-HQ5L90JMGIK, JZY/JZT-HQ5L90IMGIK, JZY/JZT-HQ5B90RMGIK.

Add new models JZT(JZY)-HQ5B73DAZXA, JZT(JZY)-HQ5B93TAZXA, JZT(JZY)-HQ5B73EAZXA, JZT(JZY)-HQ5B93UAZXA, JZT(JZY)-HQ5B73FAZXA, JZT(JZY)-HQ5B90WAZXA, JZT(JZY)-HQ5B70GAZXA, JZT(JZY)-HQ2B30ABZXA and JZT(JZY)-HQ2B30BBZXA.

- JZT is for NG; JZY is for propane gas.
- Models JZT(JZY)-HQ5B73DAZXA, JZT(JZY)-HQ5B93TAZXA, JZT(JZY)-HQ5B73EAZXA, JZT(JZY)-HQ5B93UAZXA and JZT(JZY)-HQ5B73FAZXA are same except the sizes of top surface, the shapes of grate, and the location of burners.
- Models JZT(JZY)-HQ5B90WAZXA and JZT(JZY)-HQ5B70GAZXA are same except the sizes of top surface.
- Models JZT(JZY)-HQ2B30ABZXA and JZT(JZY)-HQ2B30BBZXA are same except the shapes of grate.

All tests for models JZT(JZY)-HQ5B73DAZXA, JZT(JZY)-HQ5B93TAZXA, JZT(JZY)-HQ5B73EAZXA, JZT(JZY)-HQ5B93UAZXA, JZT(JZY)-HQ5B73FAZXA were conducted on model JZT(JZY)-HQ5B73EAZXA due to the five burners with most BTU/hr rate and the smallest size of top surface.

All tests for models JZT(JZY)-HQ5B90WAZXA, JZT(JZY)-HQ5B70GAZXA, JZT(JZY)-HQ2B30ABZXA, JZT(JZY)-HQ2B30BBZXA are extended from JZT(JZY)-HQ5B73EAZXA and certified model JZY-HQ5B90JAZXA:

1. Model JZT(JZY)-HQ5B73EAZXA has same 5 burners but larger BTU rate and smaller size.
2. Model JZT(JZY)-HQ5B90JAZXA has same burner, BTU rate and ignition system. Only one burner is changed from 6000 Btu/hr to 12000 BTU/hr.

Following tests were conducted on model JZT(JZY)-HQ5B73EAZXA and satisfactory result was found:

- 4 Construction
- 5 Performance
 - 5.1 General
 - 5.2 Test gases
 - 5.3 Test pressures and burner adjustments
 - 5.4 Combustion*
 - 5.5 Burner and pilot operating characteristics
 - 5.6 Top surface cooking section burner lighters
 - 5.7 Ignition systems
 - 5.8 Piloted ignition systems – DNA, no pilot ignition system
 - 5.9 Direct ignition systems – DNA, no direct ignition system
 - 5.10 Proved igniter systems – DNA, no proved ignition system
 - 5.11 Manual gas valves – Waived, certified
 - 5.12 Gas appliance pressure regulators – Waived, certified
 - 5.13 Automatic valves – DNA, no automatic valve
 - 5.14 Broiler temperature - DNA, no broiler
 - 5.15 Broiler operation – DNA, no broiler
 - 5.16 Evaluation of clothing ignition potential
 - 5.17 Evaluation of burn hazard potential of exterior surfaces
 - 5.18 Temperatures of handles, knobs, and touchpads
 - 5.19 Wall, floor, and enclosure temperatures
 - 5.20 Abnormal operation stalled-fan test – DNA, no fan
 - 5.21 Flue gas temperature – DNA, no oven or broiler
 - 5.22 Draft hoods – DNA, no draft hood
 - 5.23 Exhaust hood outlet air temperature DNA, no exhaust hood
 - 5.24 Oven flue discharge temperatures – DNA, no oven
 - 5.25 Performance of appliances provided with pyrolytic self-cleaning oven or self-cleaning broiler features – DNA, no oven
 - 5.26 Performance of an appliance incorporating a microwave cooking section – DNA, no microwave
 - 5.27 Marking material adhesion and legibility – Waived, certified
 - 5.28 Safety circuit analysis – DNA, no safety circuit
 - 5.29 Performance of appliances intended to be utilized with ventilation systems that direct air in a downward direction – DNA, no ventilation system
 - 5.30 Sponge washing test
 - 5.31 Nichrome wire test – DNA, no circuit greater than 60W
- 6 Manufacturing and production tests

Construction Review:

Construction review performed with satisfactory results.

Project 80092481

The following tests were conducted in:
CCIC-CSA International Certification Co. Ltd.
No. 10, Ke Yan Rd. Science Park of Guangzhou,
Guangdong,
China 510000
Tests Data stored in Sharepoint.

CSA/ANSI Z21.1-2018 • CSA 1.1-2018 Household Cooking Gas Appliances

Update report no.80061670 to add new models JZT/Y-HQ5B70DAZXA, JZT/Y-HQ5B90TAZXA, JZT/Y-HQ5B70IAZXA, JZT/Y-HQ5B90XAZXA, JZT/Y-HQ5B70FAZXA, JZT/Y-HQ5B73CAZXA, JZT/Y-HQ5B93CAZXA and JZT/Y-HQ5B90YAZXA.

JZT/Y-HQ5B70DAZXA is extended from certified model JZT/Y-HQ5B73DAZXA, except that the top burners are changed as 12,000Btu/hr+10,200Btu/hr*2+6,000Btu/hr+3,400Btu/hr, which are same as model JZT(JZY)-HQ5B90WAZXA.

JZT/Y-HQ5B90TAZXA is extended from certified model JZT/Y-HQ5B93TAZXA, except that the top burners are changed as 12,000Btu/hr+10,200Btu/hr*2+6,000Btu/hr+3,400Btu/hr, which are same as model JZT(JZY)-HQ5B90WAZXA.

JZT/Y-HQ5B70IAZXA is extended from certified model JZT/Y-HQ5B73EAZXA, except that the top burners are changed as 12,000Btu/hr+10,200Btu/hr*2+6,000Btu/hr+3,400Btu/hr, which are same as model JZT(JZY)-HQ5B90WAZXA.

JZT/Y-HQ5B90XAZXA is extended from certified model JZT/Y-HQ5B93UAZXA, except that the top burners are changed as 12,000Btu/hr+10,200Btu/hr*2+6,000Btu/hr+3,400Btu/hr, which are same as model JZT(JZY)-HQ5B90WAZXA.

JZT/Y-HQ5B70FAZXA is extended from certified model JZT/Y-HQ5B73FAZXA, except that the top burners are changed as 12,000Btu/hr+10,200Btu/hr*2+6,000Btu/hr+3,400Btu/hr, which are same as model JZT(JZY)-HQ5B90WAZXA.

JZT/Y-HQ5B73CAZXA, JZT/Y-HQ5B93CAZXA and JZT/Y-HQ5B90YAZXA have new design utensil support and similar design except size, top burner configuration (see Description part for detail, no new top burner, all have been used on listed models), and ignition system (have been used on listed models). JZT/Y-HQ5B73CAZXA is smaller than the other 2 models.

According to above reasons, JZT/Y-HQ5B73CAZXA was chosen as test sample for below test and satisfactory result was found:

- 4 Construction
- 5 Performance
- 5.1 General
- 5.2 Test gases
- 5.3 Test pressures and burner adjustments*
- 5.4 Combustion*
- 5.16 Evaluation of clothing ignition potential*

Note: Tests with suffix “*” was also conducted with NG.

Construction Review:

Construction review performed with satisfactory results.

This Edition supersedes all previous editions.

---End of Report---