



# Descriptive Report

**MASTER CONTRACT:** 0000304639

**REPORT:** 80199937

**PROJECT:** 80236195

## EDITION

Edition	Issued On	Project	Location	Prepared By	Authorized By
Edition 1	June 07, 2024	80199937	China Shanghai	Sean Xia	Sean Xia
Edition 2	April 27, 2025	80236195	China Shanghai	Sean Xia	Sean Xia

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## PRODUCTS

Class 2711 04 DOMESTIC GAS COOKING APPLIANCES - Domestic -Outdoor

Class 2711 84 DOMESTIC GAS COOKING APPLIANCES - Outdoor - Certified to US Standards

R.W.Flame, Kismile, ZAFRO, COWSAR, Xbeauty, WAA, Electactic ROWAN

Model(s)	Input Rating (BTU/HR)
JD-3A, JD-3B, JD-3C, JD-3D, JD-3E	34,000
JD-4A, JD-4B, JD-4C, JD-4D, JD-4E	42,000
JD-5A, JD-5B, JD-5C, JD-5D, JD-5E	50,000
JD-6A, JD-6B, JD-6C, JD-6D, JD-6E	58,000
JD-3F, JD-3G, JD-3H, JD-3J, JD-3K	24,000
JD-4F, JD-4G, JD-4H, JD-4J, JD-4K	32,000
JD-5F, JD-5G, JD-5H	40,000
JD-6F, JD-6G, JD-6H	48,000
JD-2(A to Z)	16,000
JD-2E(A to Z)	26,000

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JD-3E(A to Z)	34,000
JD-4E(A to Z)	42,000
JD-5E(A to Z)	50,000
JD-6E(A to Z)	58,000

## APPLICABLE REQUIREMENTS

Standards Used	Description
CSA/AM ANSI Z21.58-2018/CSA 1.6-2018 (Fifth Edition)	Outdoor 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.

## NAMEPLATE ADHESIVE LABEL MATERIAL APPROVAL INFORMATION

All markings in compliance with the applicable requirements are found on descriptive drawing figure No. 9.

## ALTERATIONS

### Project 80199937

- Added addition bar for models JD-5/6 series to avoid spare cylinder stored. See figure #1-1, 2-25.
- Changed structure of drip tray to avoid oil stay in the heat shield or drip to the ground. See figure #1-17 to 19.
- Added heat shield, increase gap of back of the lid to pass the components temperature test. See figure #1-9, 14, 16, 44-47.
- Added holes on the bottom to pass the opening requirement of cylinder enclosure. See figure #1-43, 2-39, 40, 41.
- Manual and marking altered.

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- Added wind shield for JD-E series to pass wind test for side burner. See figure #11-52.

## FACTORY TESTS

Factory tests to be in accordance with M&P Plan of the applicable requirements detailed in the Certificate of Compliance.

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:

<u>Test</u>	<u>Frequency</u>
Test Fire Burner, Manifold & Control Assy. – Proper Operation Pass/Fail Criteria: Valve shall turn freely The 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%
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	1 per 100, but no less than 1 per month

No carbon deposited.

Combustion 1 per 100, but no less than 1 per month

Pass/Fail Criteria:

Carbon monoxide levels in an air-free sample shall not exceed 0.08%

Ignition Systems 1 per 100, but no less than 1 per month

Pass/Fail Criteria:

The main burners shall be capable of match lighting in accordance with instructions

Ignition devices shall light the burners within 4 seconds of gas flow

### 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.

**MODEL NUMBER BREAKDOWN**

Model No.	Designation
JD-3A	The portable gas grill uses three I-type burners with input rate 8,000 Btu/hr each and one round side burner with input rate 10,000 Btu/hr. The unit has an open cart with 4 wheels. The LP tank is mounted and secured in the open cart.
JD-4A	Same as model JD-3A except has 4 burners.
JD-5A	Same as model JD-3A except has 5 burners.
JD-6A	Same as model JD-3A except has 6 burners.
JD-3/4/5/6B	Same as models JD-3/4/5/6A except different shape of lid handle, control panel, door handle.
JD-3/4/5/6C	Same as models JD-3/4/5/6A except different shape of lid handle, control panel.
JD-3/4/5/6D	Same as models JD-3/4/5/6A except different shape of control panel, door handle.
JD-3/4/5/6E	Same as models JD-3/4/5/6A except different shape of control panel, door handle.
JD-3/4/5/6F	Same as models JD-3/4/5/6A without side burner.
JD-3/4/5/6G	Same as models JD-3/4/5/6B without side burner.
JD-3/4/5/6H	Same as models JD-3/4/5/6C without side burner.
JD-3/4J	Same as models JD-3/4D without side burner.
JD-3/4K	Same as models JD-3/4E without side burner.
JD-2(A to Z)	Same as model JD-3A except has 2 burners with 160 mm of burners interval.
JD-6E(A to Z)	Same as model JD-6A except has 160 mm of burners interval change to 150mm, change angle of control panel, change side burner.

JD-5E(A to Z)	Same as model JD-6EA except has 5 burners.
JD-4E(A to Z)	Same as model JD-6EA except has 4 burners.
JD-3E(A to Z)	Same as model JD-6EA except has 3 burners.
JD-2E(A to Z)	Same as model JD-6EA except has 2 burners.

**Clearances to Combustible Material**

Sides	40 inches
Rear	40 inches
Top	Unobstructed
Floor	Combustible

**Gas Pressures**

Minimum Gas Supply Pressure	25.0 psi
Maximum Gas Supply Pressure	Bottle pressure

	LP/Propane Gas	Natural Gas
Manifold Pressure	11.0 in. W.C.	NA

Self Contained LP System uses a 20 lb LP cylinder constructed and marked in accordance with specifications of U.S. Department of Transportation (DOT). A pressure regulator is employed at the outlet of the LP cylinder.

**Orifice Sizes & Low Setting Input**

<b>Model Number</b>	<b>Propane (mm)</b>	<b>Low Setting Input (Btu/Hr)</b>
<b>For models JD-3/4/5/6A, JD-3/4/5/6B, JD-3/4/5/6C, JD-3/4/5/6D, JD-3/4/5/6E, JD-(2 to 6)E(A to Z)</b>		
Main Burners	0.84 mm	0.75mm Diameter for Low Setting of Valve
Side Burner	0.90 mm	0.82mm Diameter for Low Setting of Valve
<b>For models JD-3/4/5/6F, JD-3/4/5/6G, JD-3/4H, JD-3/4/5/6J, JD-3/4K, JD-2(A to Z)</b>		
Main Burners	0.84 mm	0.75mm Diameter for Low Setting of Valve

**GAS CONTROL ASSEMBLIES**

<b>TYPE OF CONTROL</b>	<b>MFR. OF CONTROL</b>	<b>MFR. MODEL NUMBER</b>	<b><u>SIZE OF CONTROL</u></b>	
			<b>NATURAL</b>	<b>LP/PROPA</b>
<b>Gas Valves:</b>	Foshan Laifu	AH1A (CSA 2295358)		X
	Leetron	A200-03 (CSA 1769699)		X
	Guangdong KSUN	B100 (CSA 2727123)		X
	Ningbo Chaoyang	CC001D01 (CSA 1426412)		X
<b>Ignitor:</b>	Anhui Hefei Xinda	DHLG-12, DHLG-3, DHLG-4, DHLY-5, DHLX-6, DHLG-7A (CSA 1433786)		X
	Dongguan Rui Chang	RD-Z202, RD-Z203, RD-Z204, RD-Z205, RD-Z206, RD-T207 (CSA 2577509)		X
	Guanglong Development	QD1.5-2, QD1.5-3, QD1.5-4, QD1.5-5K,		

		QD1.5-6K, QD1.5-7A (CSA 1397022)	X
<b>Electrode Assy</b>	Ningbo Henghui	ZH-878A (CSA 2166273)	X
	Dongguan Rui Chang	RZ-111 (CSA 2621818)	X
	Baoying Rongtai	RT-002 (CSA 2283880)	X
	Guanglong Development	TD067A (CSA 2135984)	X
	Yangzhou Yuehui	MH-0341-K (CSA 2444646)	X
<b>Igniter Wire:</b>	Jiangyin Haocheng	3573, 3071 (UL E227587)	X
	Jiangsu Naian	3573 (UL E217633)	X
	Jiangsu Ansheng	3071 (UL E333030)	X
	Guangzhou Fengtai	1911 (UL E204798)	X
	Yang Zhou De You	1659 (UL E252458)	X
<b>Corrugated Pipe:</b>	Shanghai Shenfu	SF(C)1/4ID (CSA 1565294)	X
	Hefei Huimeite	HMTB-1 (CSA 2385151)	X
	Shanghai Laineng	100-0000-L (CSA 1675450)	X
	Fanski Group	30N1S-15 (CSA 80008112)	X
	Shanghai Sansheng	SS-12-G-L-SN (CSA 70197786)	X
<b>Marking Label:</b>	Guangdong Tianyue	TY25A-125 (CSA 70044611)	X
	Zhongshan Zhantu	zt-2 (CSA 70132823)	X
	Kunshan Fushan	FS-40 (CSA 70118474)	X
<b>Hose Assembly</b>			X
	For models JD-(3 to 6)(A to K), JD-2(A to Z)		
	(Type of cylinder connector: QCC, Angle between QCC and regulator 0 degree, L=650mm, 5/16")		
	For models JD-(2 to 6)E(A to Z)		
	(Type of cylinder connector: QCC, Angle between QCC and regulator 0 degree, L=450mm, 5/16")		
	Ningbo Longtime: XQA01 (CSA 70057560)		
	Zhejiang Meiyadi: JQO01 (CSA 70034682)		
	Zhongshan City HB: YH001 (CSA 80147344)		
	Zhongshan KSUN: RYQC101 (CSA 2431817)		
	ZhongShan Burntouch: 601-B2 (CSA 80052441)		
	Yixin Gas: ZQA-1, ZQA-01 (CSA 70013845)		
	Ningbo Laite: JY7OA11A (CSA 2055064)		

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FIGURE NO.**

**DESCRIPTION**

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- |    |   |
|----|---|
| 1. | Drawings JD-6A  |
| 2. | Drawings JD-3A, JD-4A, JD-5A, other refer to Model JD6A |
| 3. | Drawings JD-6B, other refer to Model JD6A               |
| 4. | Drawings JD-6C, other refer to Model JD6A               |
| 5. | Drawings JD-6D, other refer to Model JD6A               |
| 6. | Drawings JD-6E, other refer to Model JD6A               |
| 7. | Drawings JD-F/G/H/J/K, other refer to Model JD6A        |

- 8. Manual JD series
- 9. Marking JD series

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- 10. Drawings JD-2(A to Z)
  - 11. Drawings JD-6E(A to Z)
  - 12. Drawings JD-(2 to 5)E(A to Z)
  - Other drawings referred to model JD-6EA
  - 13. Declaration letter
- Att2 Part 6 M&P

*Manufacturer's tolerances have not been verified*

**TEST HISTORY**

Project 80199937 (Ed. 1)

Original certification of gas grill JD series.

Models JD-A/B/C/D/E are grills with side burner with different handle of lid, handle of door, shape of control panel using 2 to 6 of main burners. Models JD-F/G/H/J/K are same as models JD-A/B/C/D/E except without side burner. Model JD-6A is most critical for all models and other models were extended from model JD-6A. Tests were conducted on model JD-6A for propane gas with satisfactory results and test data for this project is stored in Sharepoint.

The following tests were conducted based on standards (CSA/ANSI Z21.58:22 • CSA 1.6:22)

W= Waived; P= Passed

Clause Number	Requirement	Comments	Verdict
<b>5</b>	<b>Performance</b>		
5.10	Manual gas valves	Certified type	W
5.12	Gas pressure regulators	Certified type	W
5.26	Marking material adhesion and legibility	Certified type	W

**Tests Location**

CSA CPE Shanghai, 1st Floor, Building 4, Qilai Industrial City, 889 Yishan Road, Shanghai, 200233 China

Clause Number	Requirement	Comments	Verdict
<b>5</b>	<b>Performance</b>		
5.3	Test pressures and burner adjustments		P
5.5	Combustion — Air-free carbon monoxide		P
5.6	Burner operating characteristics		P
5.7	Main burner placement and integrity		P
5.8	Ignition		P
5.15	Orifices and orifice fittings		P
5.16	Temperatures of gas-carrying components		P
5.17	Drip tray temperature		P
5.19	Outdoor cooking gas appliance structure		P
5.21	Temperatures of handles and knobs		P
5.22	Wall and floor temperatures		P
5.23	Rain test		P
5.25	Wind tests		P

Construction Review:

Construction review performed with satisfactory results.

Project 80236195 (Ed. 2)

Update report 80199937 to add models JD-2(A to Z), JD-(2 to 6)E(A to Z) and add new brand.

Models JD-2(A to Z) are same as model JD-3A except has 2 burners with 160 mm of burners interval.

Models JD-6E(A to Z) are same as model JD-6A except has 150 mm of burners interval, change angle of control panel, use of a higher lid, change side burner. Models JD-(2 to 5)E(A to Z) are same as model JD-6EA except has less burners and tests were extended from model JD-6EA.

Tests were conducted on model JD-2A, JD-6EA for propane gas with satisfactory results and test data for this project is stored in Sharepoint.

The following tests were conducted based on standards (CSA/AM ANSI Z21.58-2018/CSA 1.6-2018 (Fifth Edition))

W= Waived; P= Passed

Clause Number	Requirement	Comments	Verdict
<b>5</b>	<b>Performance</b>		
5.26	Marking material adhesion and legibility	Certified type	W

**Tests Location**

CSA CPE Shanghai, 1st Floor, Building 4, Qilai Industrial City, 889 Yishan Road, Shanghai, 200233, China

Clause Number	Requirement	Comments	Verdict
<b>5</b>	<b>Performance</b>		
5.3	Test pressures and burner adjustments		P
5.5	Combustion		P
5.6	Burner operating characteristics		P
5.7	Main burner placement and integrity		P
5.8	Ignition		P
5.15	Orifices and orifice fittings		P
5.16	Temperatures of gas-carrying components		P
5.19	Outdoor cooking gas appliance structure		P
5.23	Rain test		P
5.25	Wind Tests		P

Construction Review:

Construction review performed with satisfactory results.

This Edition supersedes all previous editions.

---End of Report---