



Descriptive Report

MASTER CONTRACT: 0000304639

REPORT: 80199937

PROJECT: 80199937

EDITION

Edition	Issued On	Project	Location	Prepared By	Authorized By
Edition 1	June 07, 2024	80199937	China Shanghai	Sean Xia	Vincent Ou

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PRODUCTS

Class 2711 04 DOMESTIC GAS COOKING APPLIANCES - Outdoor

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

For use with Liquefied Petroleum Gas Open Top Broiler, Portable

R.W.Flame, Kismile, ZAFRO, COWSAR, Xbeauty

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

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CONDITIONS OF ACCEPTABILITY

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

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- 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.

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:

Test	Frequency
Test Fire Burner, Manifold & Control Assy. – Proper Operation	100%
Pass/Fail Criteria:	
Valve shall turn freely	
The burner flames shall carryover and burn at all ports	
Manifold and Control Assembly – Gas Tightness	100%
Pass/Fail Criteria:	
No leakage shall be observed	
Burner Operating Characteristics	1 per 100, but no less than 1 per month
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	
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.

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

Model Number	Propane (mm)	Low Setting Input (Btu/Hr)
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		
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
For models JD-3/4/5/6F, JD-3/4/5/6G, JD-3/4H, JD-3/4/5/6J, JD-3/4K		
Main Burners	0.84 mm	0.75mm Diameter for Low Setting of Valve

GAS CONTROL ASSEMBLIES

TYPE OF CONTROL	MFR. OF CONTROL	MFR. MODEL NUMBER	SIZE OF CONTROL	
			NATURAL	LP/PROPA
Gas Valves:	Foshan Laifu	AH1A (CSA 2295358)		X
	Leetron	A200-03 (CSA 1769699)		X
	Guangdong KSUN	B100 (CSA 2727123)		X
Ignitor:	Anhui Hefei Xinda	DHLG-12, DHLG-3, DHLG-4, DHLY-5, DHLX-6, DHLG-7A (CSA 1433786)		
	Dongguan Rui Chang	RD-Z202, RD-Z203, RD-Z204, RD-Z205, RD-Z206, RD-T207 (CSA 2577509)		
	Guanglong Development	QD1.5-2, QD1.5-3, QD1.5-4, QD1.5-5K, QD1.5-6K, QD1.5-7A (CSA 1397022)		
Electrode Assy	Ningbo Henghui	ZH-878A (CSA 2166273)		
	Dongguan Rui Chang	RZ-111 (CSA 2621818)		
	Baoying Rongtai	RT-002 (CSA 2283880)		
	Guanglong Development	TD067A (CSA 2135984)		
	Yangzhou Yuehui	MH-0341-K (CSA 2444646)		
Igniter Wire:	Jiangyin Haocheng	3573, 3071 (UL E227587)		
	Jiangsu Naian	3573 (UL E227587)		
	Jiangsu Ansheng	3071 (UL E227587)		

Guangzhou Fengtai 1911 (UL E227587)
Yang Zhou De You 1659 (UL E227587)

Corrugated Pipe: Shanghai Shenfu SF(C)1/4ID (CSA 1565294)
Hefei Huimeite HMTB-1 (CSA 2385151)
Shanghai Laineng 100-0000-L (CSA 1675450)
Fanski Group 30N1S-15 (CSA 80008112)
Shanghai Sansheng SS-12-G-L-SN (CSA 70197786)

Marking Label: Guangdong Tianyue TY25A-125 (CSA 70044611)
Zhongshan Zhantu zt-2 (CSA 70132823)
Kunshan Fushan FS-40 (CSA 70118474)

Hose Assembly

X

(Type of cylinder connector: QCC, Angle between QCC and regulator 0 degree, L=650mm, 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)

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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 |

Att2 Part 6 M&P

Manufacturer's tolerances have not been verified

TEST HISTORYProject 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
5	Performance		
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
5	Performance		
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.

This Edition supersedes all previous editions.

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