

File MH65829  
Project 4790530415

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REPORT

on

COOKING APPLIANCES, WOOD FIRED

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Columbus, US

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## DESCRIPTION

PRODUCT COVERED:

USL, CNL - Charcoal-Fired Grill, model KJ15041123.

ENGINEERING CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

USL - Products designated USL have been investigated using US requirements as noted in the Test Record.

CNL - Products designated CNL have been investigated using Canadian requirements as noted in the Test Record.

GENERAL:

This is a charcoal grill intended for outdoor use. This unit is on 4 casters and is only intended to burn manually fed charcoal briquettes. The charcoal briquettes are intended to be burned directly on the ceramic firebox and metal grate. All flue gases exit through the top openings of the appliance. Inlet air is intended to be vented through a recognized DC fan which complies with the requirements of UL 507 and CSA C22.2 No. 113-18.

The charcoal grill is installed with specific clearances to combustible materials.

All units are intended to be supported after installation.

MODEL TYPE SPECIFICATIONS:

Model KJ15041123 Charcoal Grill - One grill unit, rating 120VAC, 4A.

MINIMUM INSTALLATION CLEARANCES MARKED ON UNIT NAMEPLATE:

To Combustible Materials: ft. (m)

<u>Model:</u>	<u>Sidewall</u>	<u>Back wall</u>
KJ15041123	10 (3.048)	10 (3.048)

Installation and Operating Instructions:

Each completely assembled unit shall be shipped with a copy of the Instructions as shown by ILL 1.

MARKING MATERIAL:

All markings designated as permanent in this report are in French and English, and are provided on ink-stamped or die-stamped metal plates, which are riveted or screwed to the enclosure; or are provided by a R/C (PGDQ2/8) or (PGJI2/8) and CN, Component Marking and Labeling System or Material, suitable for affixture to steel or porcelain, outdoor use, min. 150°C.

Nameplate Location:

The Label is secured to the back side.

The nameplate shall include the following information and statements:

1. Listee's name
2. Model number.
3. "DO NOT overfire; when flame spills out of the grill, you are over firing".
4. To reduce the risk of creosote fire: Inspect grill twice monthly and clean when necessary.
5. "Install and use only in accordance with KAMADO JOE installation and operating instructions".
6. "Contact local building official or fire officials about restrictions and installation inspection in your area".
7. "For use with charcoal only".
8. "DO NOT REMOVE OR COVER THIS LABEL".
9. Manufacturing date (To be determined by traceability of the serial number)
10. "Do not use grate or elevate fire - build wood fire directly on hearth."

Nameplate Location (CON'T):

The nameplate shall include the following information and statements:

11. Below cautionary markings

CAUTION

Improper Use Can Cause Uncontrolled Fire. To Reduce Fire Risk:

Use Only Charcoal.

"This Appliance Is Intended To Burn (XX) Fuel Only." Where (XX) Is The Fuel Manufacturer' s Name Or Fuel Trade Name And Distinctive Model Designation.

Operate Only Per Manufacturers Instructions.

Never Use Gasoline Or Lighter Fluid.

Always Store Charcoal Away From Heat-Producing Appliances And Other Fuel Containers.

If Fire Occurs:

Call Fire Department

Do Not: Try To Move Appliance, Try To Smother Fire, Or Put Water On The Fire

Keep The Appliance Clean - See Instruction Manual For Cleaning And Proper Operation

CONSTRUCTION DETAILS:

The units and related parts shall be constructed and assembled to have the strength, rigidity and durability to withstand damage during handling and installation. Joints within the fire chamber top, bottom and sidewalls employ continuous welds using welding materials compatible with the type and grade of steel employed.

Corrosion Protection:

All exposed metal parts of the final assembly (unless otherwise noted) shall be painted for resistance to corrosion. This does not apply to knobs, handles, screws, etc.

The general design, shape and arrangement of the product shall be as shown in the following illustrations. All models employ good workmanship, strong welds, tight joint and accurate forming according to the illustrations.

A tolerance of plus or minus 1/4 in. is permitted on the dimensions shown on the attached drawings for parts made of steel. This includes length, width and location of cutouts, but not thicknesses.

## INDEX OF ILLUSTRATIONS

## ILLUSTRATIONS:

ILL.	Description
1	Manual
2	Marking
3	Drawings
4	BOM list

## INDEX OF FIGURES

FIGURES:

Description	Fig. No.
Front view (Close lid)	1A
Front view (Open lid)	1B
Back view	2
Side view I	3A
Side view II	3B
Inside view	4
Supply cord	5
DC fan front view	6A
DC fan back view	6B
Control part I	7A
Control part II	7B
Control part III	7C

Construction Details:

## Charcoal-Fired Grill, Model KJ15041123

General - This model is charcoal-fired grill. The outside enclosure of this open top grill is ceramic. In addition to two semi-circle grills rack and two semi-circle pizza stone, each unit employs a firebox for burning the charcoal.

1. Semi-circle Pizza Stone - It's made of ceramic, 381mm diameter, 14mm thickness.
2. Top Dome - Ceramic, 567mm diameter, 298mm height.  
  
Gasket Between Top Dome And Base - Glass fiber, 556mm outside diameter, 504mm inside diameter.
3. Semi-circle Grill Racks - SUS304, 468mm length, 231mm width. Outside circle shape steel bar is 6mm diameter, inside parallel steel bar is 5mm diameter, and the distance between inside parallel steel bar is 11mm.
4. Appliance Front Side Thermal Insulation - Ceramic fiber, 10mm thickness. The insulation employs a density value of 200 kg/m3.  
  
Appliance Back Side Thermal Insulation - Rock wool, 50mm thickness. The insulation employs a density value of 100 kg/m3.  
  
Air Inlet Thermal Insulation - Ceramic fiber, 10mm thickness. The insulation employs a density value of 200 kg/m3.  
  
Back Control Module Thermal Insulation - Ceramic fiber, 10mm thickness. The insulation employs a density value of 200 kg/m3.  
  
Front Control Box Thermal Insulation - Ceramic fiber, 10mm thickness. The insulation employs a density value of 200 kg/m3.
5. Firebox - Ceramic, 272mm diameter, 200mm height, 31mm wall thickness.
6. Power switch wire - R/C (AVLV2/8), UL 1015, 600V, 105 °C, 18-20AWG.

7. Cord set - Listed, (ELBZ/7). Inlet plug, E233157, model SY-12; outlet plug, UL file number E233157, model SY-111; flexible cord, UL file number E329567, model SJTW.  
  
Alternate - Listed, (ELBZ/7). Inlet plug, E330321, model KE-301; outlet plug, UL file number E330321, model KE-302; flexible cord, UL file number E351056, model SJTW.
8. Power module housing and control module housing plastic - R/C(QMFZ2/8), E321019, model PA66 T303 (XX)GF BK-D(f1), V-0, rating temperature 110°C, see Illustration 3 page 65, 66, 73, 74.  
  
Housing hole cover plastic - R/C (QMFZ2/8), E356275, model S-COAT, V-0, rating temperature 105°C, see Illustration 3 page 67, item 00118-50608 and 00118-50609.  
  
Touch board film plastic - R/C (QMFZ2/8), E493989, model C10(M) (f1), V-0, rating temperature 80°C.  
  
Alternate touch board film plastic - R/C(QMFZ2/8), E493989, model C20(M) (f1), V-0, rating temperature 60°C.
9. Lid Switch - R/C (NRNT2/8), E47258, model FLEX-14, ambient rating 125 °C, see Illustration 3 page 26.
10. Appliance Inlet - R/C (AXUT2/8), E302229, model DB-14, ambient rating 70°C, plastic material is V-0, see Illustration 3 page 58, item 00118-50505.  
  
Alternate - R/C (AXUT2/8), E519256, model DT-14-1X, maximum temperature rise 45°C, plastic material is V-0.
11. Switch - R/C (WOYR2/8), E258800, model RS606, maximum operating ambient temperature is 105°C, see Illustration 3 page 58, item 00118-50506.  
  
Alternate - R/C (WOYR2/8), E468192, model SJ3-1(P) and SJ3-2(P), maximum operating ambient temperature is 85°C.
12. Heating element - Unlisted (KSOT3/9), E530840, model 00118-50403.
13. Controller - Unlisted (XACX3/9), E530255, model Konected Joe Controller.