

# KVS-6 (L,R,B,REM)

## Kiosk Ventilation System



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Form#: SS-074\_KVS-6  
Date: 07-27-2015 - Rev1

- Filtered clean air can be 100% re-circulated or exhausted outdoors as clean exhaust air.
- All stainless steel construction.
- Easy to install and clean.
- The stainless steel air wall provides up to 50% of re-circulated air under the cooking equipment.
- The air wall provides a 3" (76mm) air space allowing zero clearance to combustible construction.
- An additional protected splash zone behind the equipment is not required.
- The KVS unit provides all the power and fuses with the controls and circuit protection for the cooking equipment.
- KVS is approved to operate with extended combinations of electric commercial cooking appliances, including broilers.
- A unique fire protection design provides total coverage allowing equipment movement and changes to take place without ever changing your fire protection nozzles.
- The filtration tower can mount up to 30' (9.2m) away from the exhaust hood.

### Application

Developed for kiosk-type food court operations and non-traditional sites. The KVS can serve various combinations of commercial type electric cooking appliances. The KVS can be used where NFPA96 ductwork cannot be installed. Tested and listed in accordance with UL710B. For use with electrical equipment only.



- KVS utilizes a box style UL/ULC listed hood mounted 6'-2" (1880mm) above finished floor.
- The hood filters are Halton GFIII UL/ULC listed, stainless steel 12" x 16" (305mm x 406mm) to facilitate easy cleaning.
- A heavy duty, belt driven BI fan, comes with adjustable pitch sheaves.

## System Approvals Chart

The KVS System is a UL/ULC listed system. The system was tested in accordance with NFPA 96 and UL197-1994 for integral re-circulation system (previously referred to as ductless hoods) for commercial electric cooking appliances. The following chart outlines the tests passed by the KVS system.

FLOW DISTRIBUTION TEST	UL 1254, SEC.3
AUTOMATIC OPERATION FIRE TEST	UL197, SEC. SA17
EXTENDED OPERATION FIRE TEST	UL197, SEC. SA17
SPLASH TEST	UL197, SEC. SA17
DIELECTRIC TEST	UL197, SEC. SA17
CAPTURE TEST	UL197, SEC. SA14
EMISSION	UL197, SEC. SA15 EPA TEST 202

## EQUIPMENT CHART FOR KVS-6 (THREE APPLIANCE MAXIMUM)

TYPE OF COOKING EQUIPMENT	MAXIMUM LENGTHS		MAXIMUM SURFACE COOKING AREA		MAXIMUM SURFACE COOKING TEMP	
	IN.	MM.	SQ. IN.	SQ. CM.	°F	°C
FRYERS (16 KW MAX.)	20	508	192	1238	375	190
HOT TOPS	36	914	1224	7896	650	343
GRIDDLES (16 KW MAX.)	72	1829	1440	9290	450	232
BROILERS (5.4 KW MAX.)	24	610	432	2800	650	343
OVENS (12.4 KW MAX.)	36	914	N/A	N/A	650	343
RANGES (2.1 KW MAX.)	72	1829	8 ELEMENTS	N/A	N/A	N/A
STEAMERS & KETTLES (8 KW MAX.)	48	1219	DOUBLE CABINET		212	100

## Consultant Specification

The Kiosk Ventilation System shall be a Halton Model KVS-6 re-circulating system, UL/ULC listed. The system shall have a listed exhaust filter hood, complete with Halton stainless steel GFIII UL/ULC listed filters, mounted 6'-2" (1880mm) from floor level. The filtration tower shall include filter's module, fan and motor, fire protection, odor control system and electrical cabinet.

The filtered, clean air shall be discharged back into the cooking area (or ducted outdoors), partially through the air wall vents and/or through the air register mounted on the top of the unit. The assembly shall be stainless steel construction, with all exposed welds ground and polished to the original finish of metal. The system shall be fully self-supported, pre-piped and wire for a fully automated operation, factory tested and balanced. The installation shall comply with NFPA 96, Chapter 10.

## UNIT SPECIFICATION CHART

KVS-6	Models L,R	Model B	Model REM
CFM	1500	1500 to 1950	1500 to 1950
BLOWER MOTOR	2 HP	3 HP	3 HP

### 208/3/60

Appliance total max KW/Amps	36 KW 100 Amps	36 KW 100 Amps	36 KW 100 Amps
Total Max. Line Current	115 Amps	115 Amps	115 Amps
Main Disconnect	175 Amps	175 Amps	175 Amps

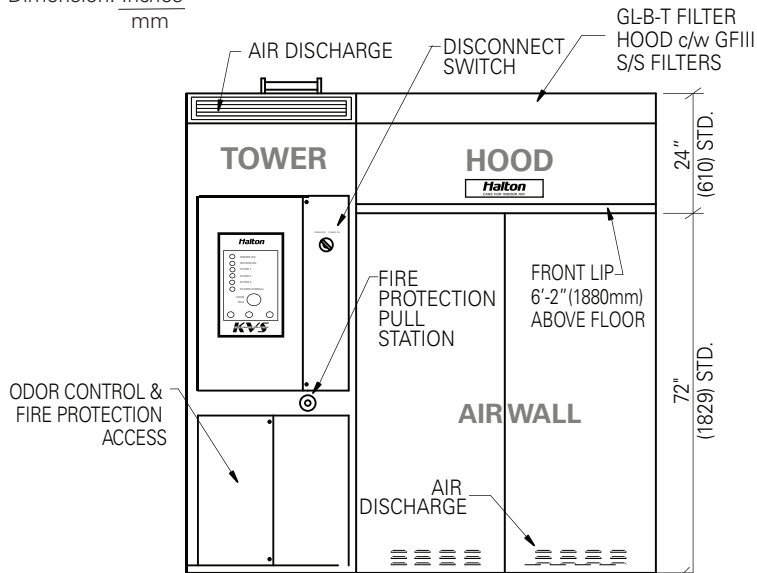
### 480/3/60

Appliance total max KW/Amps	36 KW 44 Amps	36 KW 44 Amps	36 KW 44 Amps
Total Max. Line Current	59 Amps	59 Amps	59 Amps
Main Disconnect	80 Amps	80 Amps	80 Amps

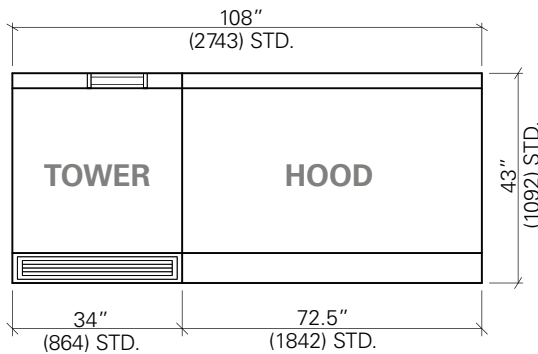
### 575/3/60

Appliance total max KW/Amps	36 KW 37 Amps	36 KW 37 Amps	36 KW 37 Amps
Total Max. Line Current	52 Amps	52 Amps	52 Amps
Main Disconnect	80 Amps	80 Amps	80 Amps

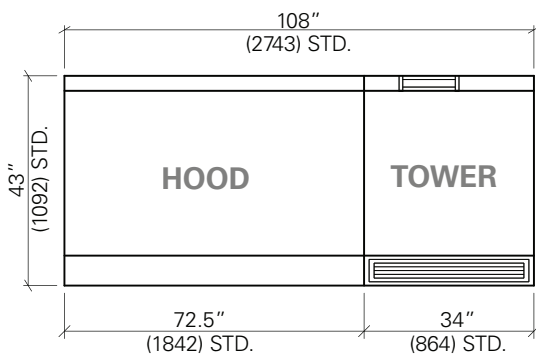
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mm



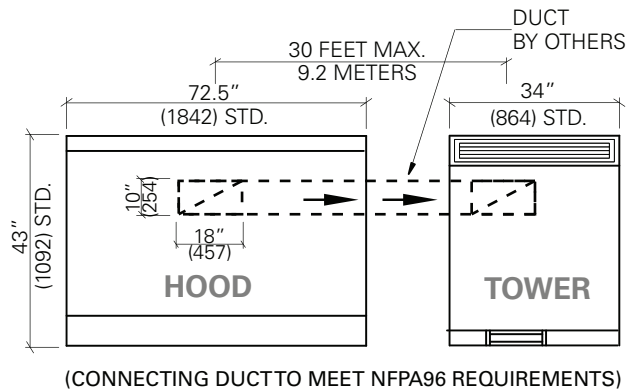
**FRONT VIEW - L MODEL**



**TOP VIEW - L MODEL**



**TOP VIEW - R MODEL**



(CONNECTING DUCT TO MEET NFPA96 REQUIREMENTS)

**TOP VIEW - REM MODEL**

**MODELS**

- R** = Right hand mount
- L** = Left hand mount
- B** = Back mount
- REM** = Remote mount

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The company has a policy of continuous product development, therefore we reserve the right to modify design and specifications without notice.

For more information, please contact your nearest Halton agency. To find it: [www.halton.com](http://www.halton.com)