

Technical data sheet for

## E31D4 OVEN / VH31 VENTLESS HOOD ON THE SK2731U STAND

Half Size Digital / Electric Convection Oven with  
**Halton** Ventless Condensing Hood on a Stainless Steel Stand



### E31D4

Unit shall be a Moffat electrically heated Turbofan Convection Oven E.T.L. listed and NSF-4 listed. The oven shall have a one piece porcelain enameled oven chamber, stainless top and sides and safe touch vented easy clean side hinged door that offers field reversible hinging. Oven shall have capacity for four half size sheet pans and include a top broiling oven element and broil operating mode. The oven shall be controlled by an electronic control having separate digital displays and adjusting knobs for time and temperature functions. The oven control shall allow both manual and programmed operating modes and have separate control keys for selection of Broil mode, oven light function and timer operation. The unit shall include a halogen oven lamp. Oven shall be able to be bench mounted on 3" / 76mm feet or mounted on oven stand model SK2731U. Oven shall be fitted with a NEMA 6-15P cordset. Unit shall be supplied in 100% recyclable shipping packaging.

### SK2731U

Unit shall be a Moffat Turbofan stainless steel oven stand NSF-4 listed. The stand shall be constructed from stainless steel tube with castors, with front castors having dual swivel and wheel locks. It shall be fitted with 6 tray runners suitable for up to 12 half size sheet pans or 6 full size sheet pans. The stand shall be fully compatible with and support Turbofan Convection Oven models E27, E28 and E31. Unit shall be supplied in 100% recyclable shipping packaging.

### STANDARD FEATURES

- 4 half size sheet pan or hotel pan capacity
- 3 1/8" / 80mm tray spacing
- Compact 24 1/4" / 616mm depth x 31 7/8" / 810mm width
- Digital display Time and Temperature Controls
- USB port for programs
- Programmable for up to 30 programs
- Broil mode
- Single direction low-velocity fan
- 2.8kW heating in bake mode / 2.0kW grill-broil elements
- Safe-Touch vented side hinged door
- Stay-Cool door handle
- Porcelain enameled oven chamber

### STANDARD FEATURES – VENTLESS CONDENSATION HOOD

- Removes need for installation under canopy or ducted oven hood
- Complies with EPA202 test method for less than <5mg/ m<sup>3</sup> grease laden effluent limits
- 3 stage filtering including charcoal odour filter
- Condensing heat exchanger for oven vent condensing and reduced heat emissions
- Self contained condensate collection – no connection to waste drain required
- Oven Hood interlock control
- Automatic 2 speed extraction fans - reduced noise/energy

### VH31 INSTALLATION KIT

- Supplied standard with Hood
- Requires mechanical and electrical field assembly for connection of Hood to Oven

### ACCESSORIES

- Turbofan SK2731U Oven Stand
- #H11715 Replacement Charcoal Filter for VH31

### VH31

Unit shall be a Halton Ventless Condensing Hood, UL listed and UL EPH classified. The unit shall have all stainless steel construction, include 3 stage filtration and incorporate a condensing heat exchanger. Unit will feature an automatic 2 speed extraction fan with interlocked oven operation, Unit shall be 110-120V and fitted with a NEMA 5-15P cordset. Unit shall be provided with VH31 Installation Kit for connection and fitment to Moffat Turbofan Convection Oven model E31D4.

### VH31 Installation Kit

Installation Kit shall be provided with VH31 Ventless Condensing Hood. Installation kit shall include: Wire harness for oven interlock connection to oven controls. Four 4" (100mm) oven feet and condensate collection pan and housing for self-contained condensate collection. Oven rear shroud for protection of interlock control harness and condensate drain tube. Oven to stand rear securing plate when oven is fitted on a Moffat Turbofan SK2731U Stand.

**Halton** VH Series Ventless Condensing Hoods are manufactured by Halton Company, USA, exclusively for Moffat Turbofan Convection Ovens.

### E31D4 Half Size Digital / Electric Convection Oven

#### CONTROLS

Electronic controls with Digital Time and Temperature display,  
Manual or Program modes  
Broil/Grill mode quick select key  
Thermostat range 150-500°F / 50-260°C  
Timer range from 180 minutes in countdown mode  
Timer range up to 999 minutes in time count mode for holding,  
slow cooking  
Over-temperature safety cut-out

#### SPECIFICATIONS

Electrical Requirements  
208V, 60Hz, 1-phase, 2.9kW, 13.9A  
220-240V, 60Hz, 1-phase, 3.1W, 12.9A  
NEMA 6-15P cordset fitted



#### External Dimensions (E31D4)

Width 31<sup>7</sup>/<sub>8</sub>" / 810mm  
Height 24<sup>5</sup>/<sub>8</sub>" / 625mm including 3" / 76mm feet  
Depth 24<sup>1</sup>/<sub>4</sub>" / 616mm

#### Oven Internal Dimensions

Width 22<sup>1</sup>/<sub>4</sub>" / 565mm  
Height 16<sup>3</sup>/<sub>4</sub>" / 425mm  
Depth 15<sup>1</sup>/<sub>2</sub>" / 395mm  
Volume 3.2ft<sup>3</sup> / 0.09m<sup>3</sup>

#### Oven Rack Dimensions

Width 21<sup>1</sup>/<sub>4</sub>" / 540mm  
Depth 14<sup>1</sup>/<sub>2</sub>" / 370mm

#### Nett Weight (E31D4)

119lbs / 53.8kg

#### Packing Data (E31D4)

150lbs / 68.2kg  
15.9 ft<sup>3</sup> / 0.45m<sup>3</sup>  
Width 29<sup>5</sup>/<sub>8</sub>" / 740mm  
Height 28<sup>3</sup>/<sub>8</sub>" / 720mm  
Depth 32<sup>7</sup>/<sub>8</sub>" / 835mm

### VH31 Ventless Condensing Hood Including VHIK31 Installation Kit

#### CONTROLS

Illuminated Power switch  
Oven interlocked control

#### SPECIFICATIONS

Electrical Requirements  
110-120V, 60Hz, 1-phase, 1.0A  
NEMA 5-15P 6ft cordset fitted



#### Water Requirements

No water connection required

#### Drain Requirements – Optional

Hood water condensate can be taken to a water waste drain if desired. A 6ft / 1800mm long 3/8"OD drain hose is supplied with hood.

#### External Dimensions (VH31 Ventless Hood)

Width: 32<sup>1</sup>/<sub>4</sub>" / 818mm  
Height: 14<sup>3</sup>/<sub>8</sub>" / 364mm  
Depth: 33<sup>1</sup>/<sub>2</sub>" / 852mm  
Allow 3" / 76mm rear clearance

#### Nett Weight (VH31 Ventless Hood)

101 lbs / 46.0 kg

#### Packing Data (VH31 Ventless Hood)

150lbs / 68 kg  
16.3ft<sup>3</sup> / 0.46 m<sup>3</sup>  
Width: 34<sup>1</sup>/<sub>2</sub>" / 875mm  
Height: 21<sup>1</sup>/<sub>2</sub>" / 545mm  
Depth: 38" / 965mm

### SK2731U Stainless Steel Stand

All stainless steel welded frame oven stand for Turbofan E27, E28 and E31 Series model ovens  
6 position tray runners standard  
3" / 76mm diameter wheel swivel castors standard with 2 front castors with dual swivel and wheel  
Supplied CKD for assembly on site

#### External Dimensions (SK2731U Oven Stand)

Width 31<sup>7</sup>/<sub>8</sub>" / 810mm  
Height 34<sup>5</sup>/<sub>8</sub>" / 880mm  
Depth 25<sup>5</sup>/<sub>8</sub>" / 650mm

#### Nett Weight (SK2731U Oven Stand)

43lbs / 19.5kg

#### Packing Data (SK2731U Oven Stand)

49lbs / 22kg  
3.9ft<sup>3</sup> / 0.11m<sup>3</sup>  
Width 32<sup>5</sup>/<sub>8</sub>" / 830mm  
Height 31<sup>3</sup>/<sub>4</sub>" / 805mm  
Depth 6<sup>1</sup>/<sub>4</sub>" / 160mm

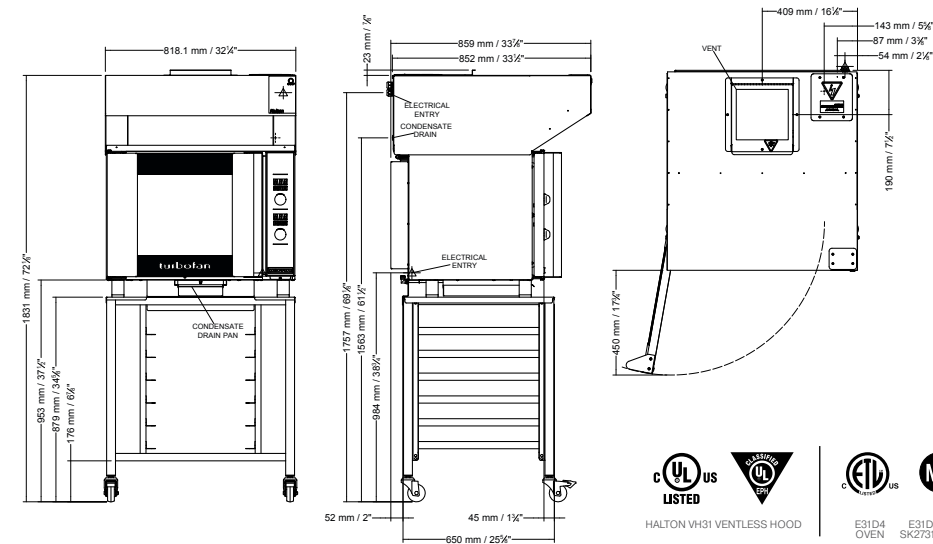
#### INSTALLATION CLEARANCES

Rear 2" / 50mm  
LH Side 2" / 50mm  
RH Side 3" / 75mm

For fixed installations a minimum of 500mm is required for service

#### CLEARANCE FROM SOURCES OF HEAT

A minimum distance of 12" / 300mm from the appliance sides is required



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#### ISO9001

All Turbofan products are designed and manufactured by Moffat using the internationally recognised ISO9001 quality management system, covering design, manufacture and final inspection, ensuring consistent high quality at all times.

In line with policy to continually develop and improve its products, Moffat Limited reserves the right to change specifications and design without notice.

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