



# ECOARCH™

## ENERGY EFFICIENT VENTILATION MODEL EA2 UV

The EA2 UV model exhaust only canopy is UL 710 Listed for use over 400 and 600°F commercial cooking appliances. This noncompensating, high-velocity style exhaust canopy is intended for use over light, medium, and heavy-duty types of cooking appliances and is recommended for all projects where energy consumption is a factor or when adequate make up air is not available from the heating and cooling system. The system is intended to break down grease molecules, oxidize grease vapors, and reduce grease odors in exhausted air. It is intended for reduced duct cleaning and decreased fire risk in kitchen ductwork.

**SHORT FORM SPEC:** The EA2 UV model exhaust only canopy is UL 710 Listed for use over 400 and 600°F commercial cooking appliances. This non-compensating, high-velocity style exhaust canopy is intended for use over light, medium, and heavy duty types of cooking appliances and is recommended for all projects where energy consumption is a factor or when adequate make up air is not available from the heating and cooling system. To include (1) UV Bulb per exhaust collar to utilize 185 & 254nm UV light to break down grease molecules. Designed to include safety redundancies to lockout the UV system to prevent exposure to the operator.

### STANDARD FEATURES:

- UV "on" viewing port with UV screen
- Locking access door for controlled access to UV bulb
- On/off switch with safety interlocks
- High grade, corrosive resistant, non-magnetic stainless steel construction on all surfaces
- 3" Rear air space
- Full length concealed grease trough pitched to a removable grease cup
- Pre-drilled hanger brackets
- Stainless steel grease extractors
- Exclusive aerodynamic arch
- Front mounted exhaust plenum
- Front located high velocity exhaust slot

**SPECIFICATIONS:** Model EA2 exhaust only type I commercial kitchen ventilation canopy UL 710 Listed without a fire damper in the exhaust collar. Canopy is constructed of a minimum 18 gauge, high grade, corrosive resistant, non-magnetic stainless steel on all surfaces. Top of canopy to be constructed to incorporate exclusive aerodynamic arch. All exterior joints and seams shall be continuously welded liquid tight, ground smooth, and polished to match the original finish. Construction to conform to NFPA 96 standards and shall meet UL 710 standards for operation. Canopy is constructed using the standing seam method for optimum strength.

Exhaust Canopy shall be complete with stainless steel removable grease extractors running the full length of canopy. Grease extraction is accomplished by way of front located high velocity exhaust slot running the full length at the top of hood through grease cartridges. Grease extractor cartridges are easily removable at the front of the canopy, and include interlocking tabs creating a UV Light barrier to the capture area.

Grease trough is concealed within the hood and slopes to a removable grease cup located at the end of the front exhaust canopy. Canopy comes complete with UL Listed light fixtures.

Provide Avtec UV air cleaning system, ETL Listed, with single 150 W quartz UV lamp, and UV "light on" view port with UV filter.

Avtec UV air cleaning system, to utilize both 185 and 254nm UV light to break down long-chain grease molecules and produce low levels of ozone to oxidize grease vapors. Bulb to be single, rugged, 150 W UVc lamp with approximate 12,000-15,000 hour bulb life.

Unit complete with control switch and interlocks for fan, door and cartridge lock-outs.



PROJECT NAME:	
LOCATION:	
ITEM NO:	
QTY:	
MODEL NO:	
AIA NO:	
SIS NO:	
CSI SECTION:	11400



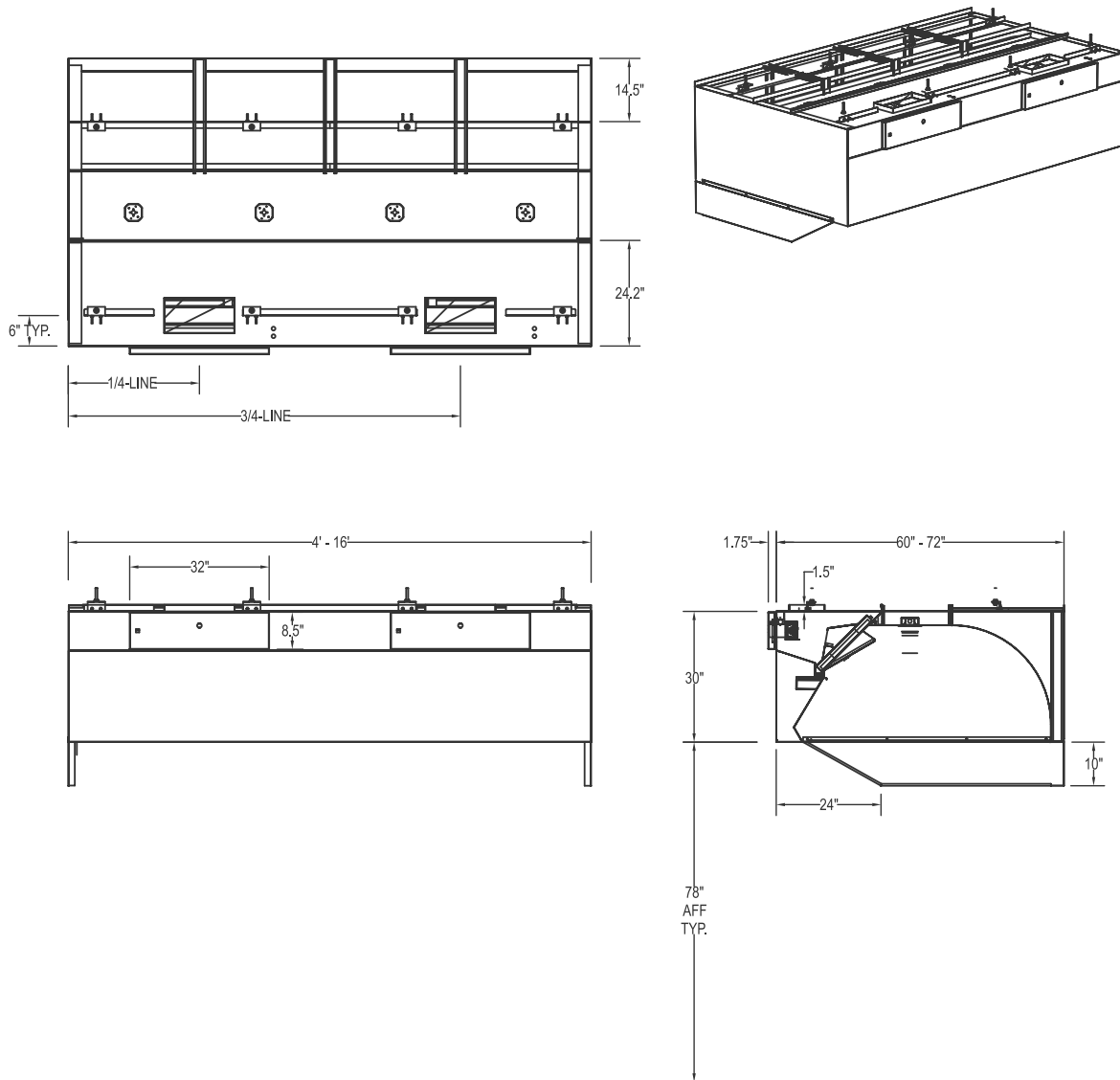
Model EA2000 UV shown



Model EA2000 UV shown (detail)

### ADDITIONAL RESOURCES:

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Light Duty Temperature Cooking Equipment – 400°F (Light duty ranges, roasters, ovens, steamers, etc...)  
Medium Duty Temperature Cooking Equipment – 400-600°F (Above plus rotisseries, ranges, grills, fryers, etc...)  
Heavy Duty Temperature Cooking Equipment – 600°F (Above plus gas char-broilers, woks, upright broilers, etc...)

LENGTH	400 DEGREE LIGHT DUTY COOKING EQUIPMENT EXHAUST CFM		400-600 DEGREE MEDIUM DUTY COOKING EQUIPMENT EXHAUST CFM		600 DEGREE HEAVY DUTY COOKING EQUIPMENT EXHAUST CFM	
	CFM @ .90 SP	DUCT COLLAR	CFM @ 1.00 SP	DUCT COLLAR	CFM @ 1.10 SP	DUCT COLLAR
4'-0"	600	(1) 8 x 7	700	(1) 8 x 8	900	(1) 8 x 10
5'-0"	750	(1) 8 x 8	875	(1) 8 x 10	1125	(1) 8 x 13
6'-0"	900	(1) 8 x 10	1050	(1) 8 x 12	1350	(1) 8 x 15
7'-0"	1050	(1) 8 x 12	1225	(1) 8 x 14	1575	(1) 8 x 18
8'-0"	1200	(1) 8 x 14	1400	(1) 8 x 16	1800	(2) 8 x 10
9'-0"	1350	(1) 8 x 15	1575	(2) 8 x 9	2025	(2) 8 x 11
10'-0"	1500	(2) 8 x 8	1750	(2) 8 x 10	2250	(2) 8 x 13
11'-0"	1650	(2) 8 x 9	1925	(2) 8 x 11	2475	(2) 8 x 14
12'-0"	1800	(2) 8 x 10	2100	(2) 8 x 12	2700	(2) 8 x 15
13'-0"	1950	(2) 8 x 11	2275	(2) 8 x 13	2925	(2) 8 x 16
14'-0"	2100	(2) 8 x 12	2450	(2) 8 x 14	3150	(2) 8 x 18
15'-0"	2250	(2) 8 x 13	2625	(2) 8 x 15	3375	(3) 8 x 13
16'-0"	2400	(2) 8 x 14	2800	(2) 8 x 16	3600	(3) 8 x 14

For custom solutions or specific cook line operation, please contact factory.