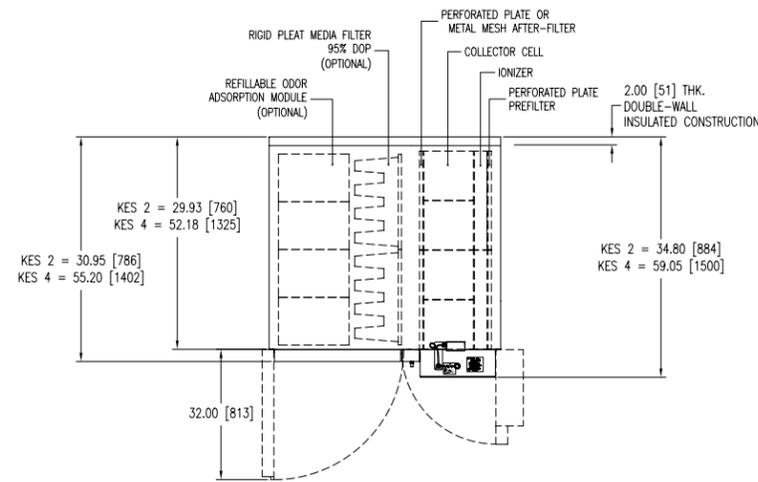


AIR BOSS® KES Specifications

AIR BOSS® KES SERIES



Kitchen Exhaust Filtration System

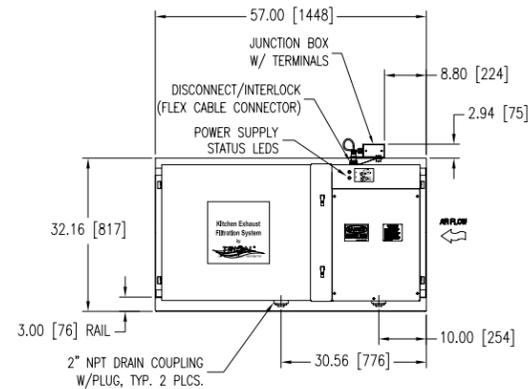
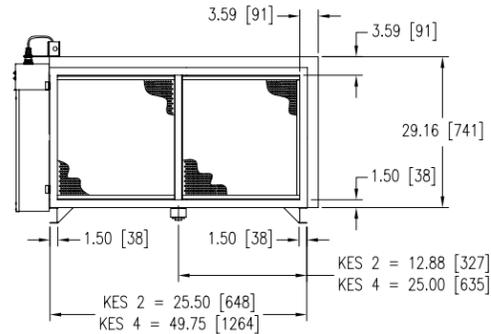


AIR BOSS® KES SERIES SPECIFICATIONS

INPUT VOLTAGE: 120/220VAC, 50/60HZ
 CURRENT: 1.5 AMP MAX
 OUTPUT VOLTAGE: 12.5 – 13.0 KVDC IONIZER
 6.0 – 6.5 KVDC COLLECTOR
 POWER SUPPLY: (1) PMW WITH STATUS LED FOR KES 2
 (2) PMW WITH STATUS LED FOR KES 4
 POWER SUPPLY STATUS LIGHT: LED, 5 AMP MAX
 WEIGHT OF STANDARD UNIT W/ IONIZER, COLLECTOR,
 PRE & AFTER FILTERS: 480 LBS. [218 KG] KES 2
 650 LBS. [296 KG] KES 4

FILTER COUNT & WEIGHTS FOR KES 2:
 (1) PRE FILTERS – PERFORATED PLATE, 2 LBS. [0.9 kg]
 (1) AFTER-FILTER – PERFORATED PLATE OR METAL MESH, 2 LBS. [0.9 kg]
 (1) IONIZER, 5 LBS. [2.3 kg]
 (2) COLLECTOR, 60 LBS. [27.3 kg] TOTAL
 (1) RIGID PLEAT MEDIA 95% DOP (OPTIONAL), 17 LBS. [7.7 kg]
 (8) REFILLABLE ODOR ABSORPTION MODULE (OPTIONAL), 120 LBS. [54.6 kg] TOTAL

FILTER COUNT AND WEIGHTS FOR KES 4:
 (2) PRE FILTERS – PERFORATED PLATE, 4 LBS. [1.8 KG] TOTAL
 (2) AFTER-FILTER – PERFORATED PLATE OR METAL MESH, 4 LBS. [1.8 KG] TOTAL
 (3) IONIZER, 10 LBS. [4.6 KG] TOTAL
 (4) COLLECTORS, 120 LBS. [54.6 KG] TOTAL
 (2) RIGID PLEAT MEDIA 95% DOP (OPTIONAL), 34 LBS. [15.5 KG] TOTAL
 (16) REFILLABLE ODOR ABSORPTION MODULE (OPTIONAL), 240 LBS. [109 KG] TOTAL



ELECTROSTATIC EFFICIENCY/CAPACITY DATA

	DOP CFM CAPACITIES				
	95%	94%	93%	92%	90%
KES2	1200	1400	1750	2000	2550
KES4	2400	2800	3500	4000	5100
Face Velocity (fpm)	372	434	542	620	790

PRESSURE DROP DATA (Inches H₂O)

	1200	1400	1750	2000	2550
KES2 CFM	1200	1400	1750	2000	2550
KES4 CFM	2400	2800	3500	4000	5100
ESP*	0.09	0.14	0.20	0.27	0.42
Media**	0.13	0.15	0.23	0.25	0.41
Carbon	0.08	0.10	0.15	0.21	0.30
TOTAL**	0.30	0.39	0.58	0.73	1.13

* Includes perforated plate pre- and post filters.
 ** With clean media filters. Allow up to 1" additional pressure drop for filter loading.



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