

Eclipse AirHeat Burners

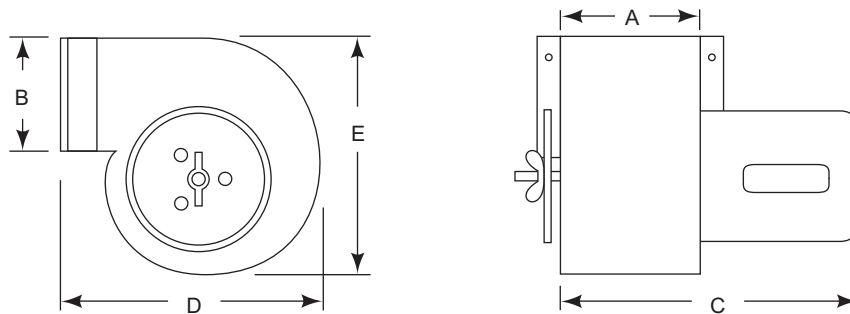
Burner Accessories

Data sheet Edition 01.15

Version 1

Combustion Air Blowers

Dimensions in millimeters (inches)



60 Hz Blowers

Blower Catalog No.	Assembly No.	Rotor No.	Capacity, CFH	Static Pressure, "w.c.*	TEFC Motor (230/460/3/60)		
					HP	RPM	Part No.
54-54S-1/3	109410	16328	20,000	1.90	1/3	3450	12109*
65-84S-1/3	109241	16706	43,000	1.50	1/3	1750	12110
66-94S-3/4	109243	10539-1	63,000	2.00	3/4	1750	11803
66-94S-1	109244	10539-2	78,000	1.50	1	1750	11819
67-114S-1.5	109232	12408	90,000	2.70	1-1/2	1750	11855
67-114S-2	109233	12408	118,000	1.50	2	1750	11311
67-115S-1.5	109139	12409	108,000	2.70	1-1/2	1750	11855
67-115S-2	109235	12409	121,000	2.00	2	1750	11311
78-126S-3	109140	14145	160,000	2.00	3	1750	14239
78-136S-5	109130	14147	195,000	2.40	5	1750	14240

*TENV Motor

50 Hz Blowers

Blower Catalog No.	Assembly No.	Capacity, CFH	Static Pressure, "w.c.*	Motor			
				kW	RPM	Part No.	Specifications
MN 402	101293	20,000	1.2	0.25	2850	20519	230/440/3/50
MN 502	101294	42,400	1.6	0.37	2850	20520	230/440/3/50
MN 602	101295	74,200	1.6	1.10	2850	20523	230/440/3/50

*Additional capacity at reduced pressure. Static pressure measured at blower outlet using American Fam Association Standards.

60 Hz Blowers

Dimensions, inches (mm)	Blower Catalog Number				
	54-564S-1/3	65-84S-1/3	66-94S-3/4 66-94S-1	67-114S-1.5 67-114S-2 67-115S-1.5 67-115S-2	78-126S-3 78-136S-5
A	4.00 (102)	6.06 (154)	6.06 (154)	6.25 (159)	7.87 (200)
B	4.12 (105)	5.06 (129)	6.31 (160)	7.06 (179)	7.06 (179)
C 1/3 HP	12.25 (311)	14.62 (371)	---	---	---
C 3/4 HP	---	---	15.50 (394)	---	---
C 1 HP	---	---	16.62 (422)	---	---
C 1-1/2 HP	---	---	---	19.31 (491)	---
C 2 HP	---	---	---	19.31 (491)	---
C 3 HP	---	---	---	---	19.75 (502)
C 5 HP	---	---	---	---	20.75 (527)
D	8.31 (211)	12.93 (329)	15.00 (381)	16.56 (421)	19.56 (497)
E	8.62 (219)	13.75 (349)	15.50 (394)	18.75 (476)	21.00 (533)
Wt. Lbs. (kg)	6.4 (3)	19.5 (9)	24.0 (11)	36.0 (16)	46.0 (21)

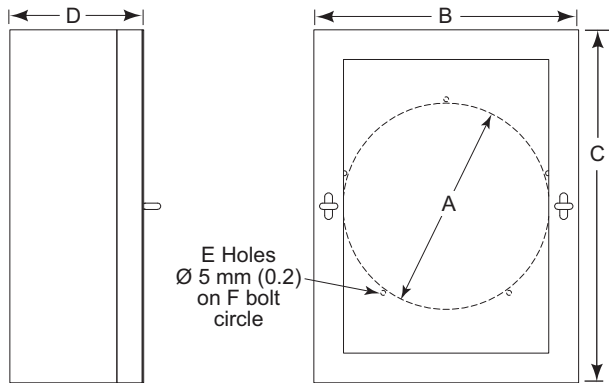
Note: Weight does not include motor:

50 Hz Blowers

Dimensions, inches (mm)	Blower Catalog Number		
	MN 402	MN 502	MN 602
A	4.33 (110)	4.33 (110)	5.51 (140)
B	5.12 (130)	6.30 (160)	7.48 (190)
C	11.61 (295)	12.52 (318)	15.15 (385)
D	8.78 (223)	10.75 (273)	13.30 (338)
E	10.63 (270)	12.68 (322)	15.94 (405)
Wt. Lbs. (kg)	6.4 (3)	19.5 (9)	24.0 (11)

Note: Weight does not include motor

Filters For Air Heat Burners

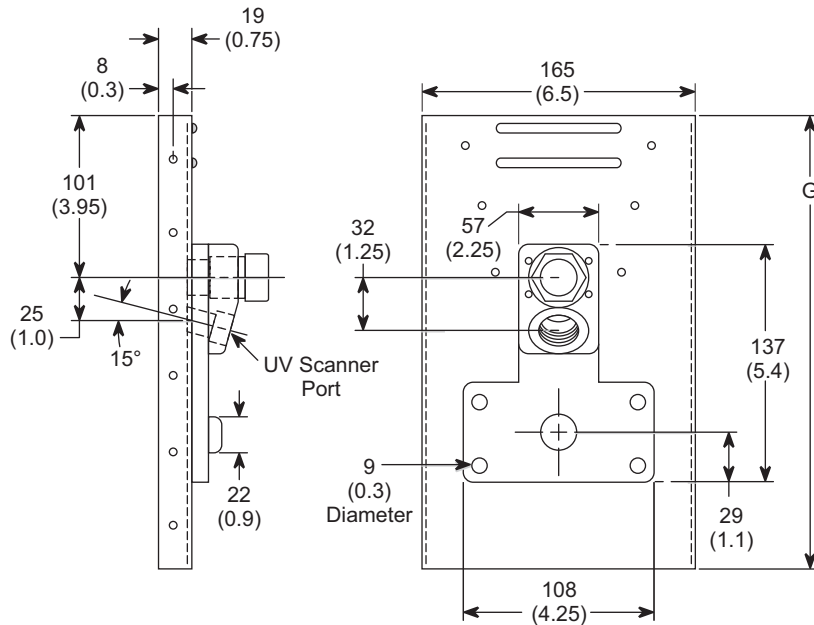


Blower Size	Used on Burner Size	Filter Cat. No.	Filter Assy. No.	Filter Media Assy. No.	Dimensions in inches (mm)					
					A	B	C	D	E	F
54-54 S	40 thru 120	2 AHFS	10009319	10009322	6.0 (150)	8.5 (216)	11.7 (298)	4.3 (110)	4	6.5 (165)
65-84S	160 thru 240	3 AHFS	10009261	10009271	8.0 (208)	10.5 (267)	14.0 (356)	5.3 (135)	5	8.5 (216)
66-94 S	280 thru 480	4 AHFS	10009262	10009272	9.5 (241)	14.0 (356)	20.0 (508)	5.5 (141)	5	10.0 (254)
67-115 S	520 thru 720	5 AHFS	10009263	10009273	11.0 (280)	16.0 (406)	20.0 (508)	7.0 (179)	6	11.7 (298)

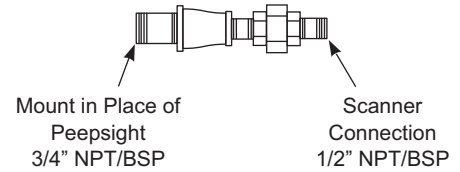
U.V. Scanner Mounting Accessories

Bracket/End Plate Assembly

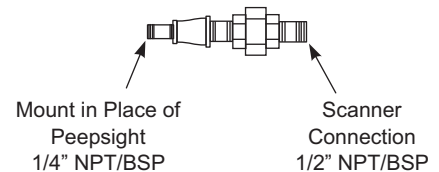
For main flame supervision at point other than pilot location. Can be mounted opposite pilot on line burner section or at any end or corner of a tee section.



Scanner Adapter 109000
For Sizes thru 400 AH

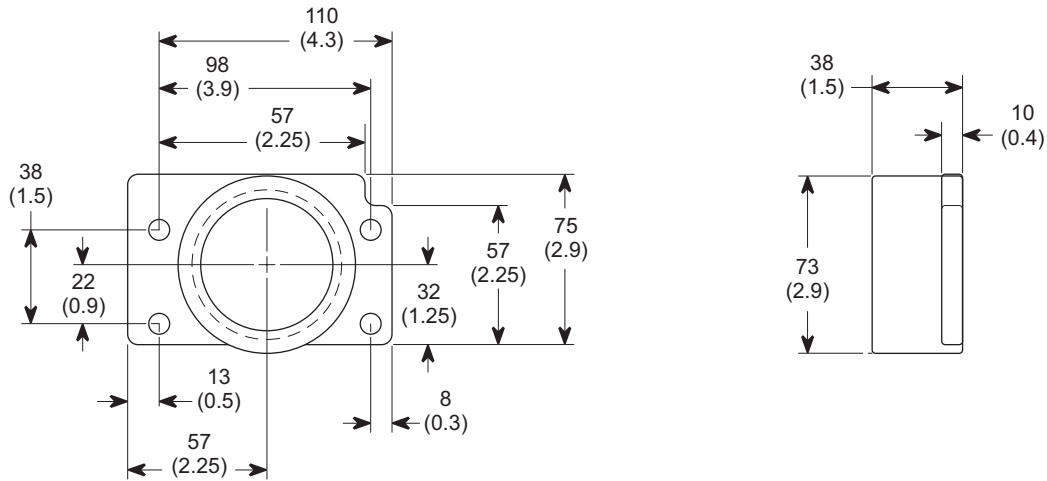


Scanner Adapter 109559
For Sizes 440 thru 800 AH



Air Heat Burner Size & Type	Scanner Size, NPT/BSP	End Plate Assembly No.	Dimension G, inches (mm)
40 thru 120 AH	1/2" 3/4"	109217 109224	10-9/16 (268)
280 thru 320 TAH, 160 CAH 160 thru 320 AH	1/2" 3/4"	109218 109225	12-5/16 (313)
360 AH	1/2" 3/4"	109219 109226	14-1/16 (357)
400 thru 640 AH	1/2" 3/4"	109220 109227	15-3/16 (386)
440 thru 640 DAH	1/2" 3/4"	109221 109228	17-13/16 (452)
360 thru 720 TAH 680, 720 & 800 AH	1/2" 3/4"	109222 109229	18-13/16 (478)

Optional End Casting



Auxiliary 2" NPT/BSP gas inlet. No pilot or flame sensor provisions. Provides additional gas inlets necessary for systems with more than 10 lineal feet (3.1 meters) of burner.

Approvals

All AirHeat burner accessories are Gost approved.



