

**TABLE 12**  
**HEAT GAIN FROM APPLIANCES**  
 (Btu/h)<sup>1</sup>

TYPE OF APPLIANCE	ELECTRIC			GAS			STEAM		
	Without Hood		Hood <sup>2</sup>	Without Hood		Hood <sup>2</sup>	Without Hood		Hood <sup>2</sup>
	Sensible	Latent	Total	Sensible	Latent	Total	Sensible	Latent	Total
Boiler-Griddle 31 in. x 20 in. x 18 in.	770	230	1,000	340	90	430	3,600	500	4,100
	per burner	per warmer							
Coffee brewer/warmer	230	70	300						
per warmer									
Coffee urn:									
3 gallon	850		3,400	1,000		3,500	1,000		2,180
5 gallon	2,550		8,500	3,500		10,000	2,000		4,350
8 gallon (twin)	5,200		15,600	7,000		21,000	4,000		11,000
Roaster	1,700	1,100	2,800	900		900			
Deep fat fryer:									
15# fat	2,800	6,600	9,400	3,000	4,300	7,500	7,500	3,000	15,000
21# fat	2,800	6,600	9,400	3,000	4,300	7,500	7,500	3,000	15,000
Dry food warmer per sq ft top	320	80	400	130	560	700	140		1,500
Griddle, frying per sq ft top	3,000	1,600	4,600	1,500	4,900	2,600	700		3,000
Griddle - Grille	6,600	3,600	10,200	3,200	7,500	4,900	1,500		7,500
Hot plate (two heating units)	5,300	3,600	8,900	2,800					
Short order stove (open grates) per burner									
Steam table per sq ft top									
Toaster:									
Continuous	1,960	1,740	3,700	1,200	3,600	2,400	6,000	1,200	10,000
360 slices per hour	2,700	2,400	5,100	1,600	6,000	4,000	10,000	2,000	12,000
720 slices per hour	2,230	1,970	4,200	1,300	4,200	2,800	4,200	2,000	6,200
Waffle iron 18 in. x 20 in. x 13 in.	1,680	1,120	2,800	900					
(2 grids)									
Hair dryer:									
Blower type	2,300	400	2,700						
Helmet type	1,870	330	2,200						
Lab burners:									
Bunsen				1,680					
Fishtail				2,800					
Meeker				840					
Neon sign per foot of tube	60		60						
Sterilizer	625	1,200	1,850						
Refrigerator or Freezer									
Vending machines:									
Hot drink	700	500	1,200						
Cold drink	625	--	625						
Typewriter	350	--	350						
Small copier	4,500	--	4,500						
Large copier	9,000	--	9,000						
Personal computer & printer	1,300	--	1,300						
Computer terminal	500	--	500						

NOTES:

(1) Average operation for one hour. (Btu/h)  
 (2) Does not include the latent and sensible heat loads imposed by the outdoor makeup air exhausted through the hood. Includes only the sensible heat load resulting from direct radiation from the appliance.