

Maximum Watt Density for Heating Metals Watts/sq.in						
Hole	Block Temperature					
Clearance	1200 F	1000 F	800 F	600 F	400 F	200 F
0.002	140	270	300	300	300	300
0.003	120	205	295	300	300	300
0.004	100	175	240	300	300	300
0.005	90	145	200	285	300	300
0.007	70	100	150	200	250	300
0.010	60	90	110	150	200	225
0.015	50	75	95	110	140	165
0.030	40	60	80	90	100	110
0.060	30	40	50	55	65	65
0.100	25	35	45	50	50	50

Maximum Watt Density in Still Air Watts/Sq.in							
Air Temp F	100	250	500	750	1000	1200	1400
Watts/in2	53	52	50	46	40	28	13