

Unit Burner Capacities (for all Duradiant Types)

TIP No. 23 & 23A
FOR MFG., MIXED, NAT.
& L.P. Gases
(PORT AREA -.0169 IN²
11 mm²)

23A 23
[14.3mm]
1/4"

TIP # 51
FOR MIXED, NATURAL & L.P. GASES
PORT AREA .064 in² (41 mm²)

7/8"
[22.2mm]

TIP NO. 51 REPRESENTS
100% OF STANDARD CAPACITY

TIP NO. 52 REPRESENTS
140% OF STANDARD CAPACITY

TIP NO. 53 REPRESENTS
75% OF STANDARD CAPACITY

TIP NO. 55 REPRESENTS
55% OF STANDARD CAPACITY

TIP No. 61
FOR MIXED, NATURAL & L.P. GASES
PORT AREA .095 in² (61 mm²)

1 1/4"
[32mm]

TIP No. 71
FOR MIXED, NATURAL & L.P. GASES
TIP No. 73 FOR ALL GASES
PORT AREA .187 in² [121mm²]

73 71
1 1/2"
[38mm]

TIP NOS. 71 & 73 REPRESENT
100% OF STANDARD CAPACITY

TIP NO. 74 REPRESENTS
150% OF STANDARD CAPACITY

TIP NOS. 72 & 75 REPRESENT
300% OF STANDARD CAPACITY

Size & Specification Chart											
Air/Gas Mixture Pressure In			#23		#51		#61		#71		
Inches (mm)			1000		1000		1000		1000		
Water Column			BTU/hr	KCAL/hr	BTU/hr	KCAL/hr	BTU/hr	KCAL/hr	BTU/hr	KCAL/hr	
1	1	25.4	0.9	.2	5.7	1.4	9.0	2.3	16.0	4.0	
	2	50.8	1.6	.4	8.3	2.1	13.0	3.3	23.0	5.8	
2	4	101.6	2.6	.7	12.2	3.1	19.0	4.8	34.0	8.6	
	8	203.2	4.0	1.0	18.0	4.5	28.0	7.1	50.0	12.6	
3	10	254.0	4.6	1.2	20.5	5.2	32.0	8.1	57.0	14.4	
	14	355.6	5.6	1.4	24.7	6.2	39.0	9.8	71.0	17.9	
	20	508.0	6.9	1.7	30.0	7.6	47.0	11.8	84.0	21.2	
	25	635.0	7.8	2.0	34.0	8.6	53.0	13.4	95.0	23.9	
	30	762.0	8.6	2.2	38.0	9.6	59.0	14.9	105.0	26.5	
	40	1016.0	9.7	2.4	44.7	11.3	69.0	17.4	123.0	31.0	
	50	1270.0	10.8	2.7	50.0	12.6	78.0	19.7	140.0	35.3	
60	1524.0	-	-	56.0	14.1	86.0	21.7	156.0	39.3		

- 1: Approx. Range – Low pressure atmospheric inspirator
- 2: Approx. Range – Proportioning mixer
- 3: Approx. Range – Mechanical premix system