

# Thermal Performance | 8480A Series

Combustion air preheat vs. burner capacity vs. radiant tube exhaust temperature+ in degrees Fahrenheit\*

Recuperator	Sections	Burner Capacity (Btu/h HHV)	Radiant Tube Exhaust Temperature °F				
			1,200	1,400	1,600	1,800	2,000
<b>8480A-700</b>	4X	800,000	426	509	583	632	699
	4X	600,000	457	547	630	694	758
	4X	400,000	507	606	702	784	853
	3X	800,000	390	465	529	561	664
	3X	600,000	420	502	575	623	691
	3X	400,000	468	560	647	716	780
<b>8480A-600</b>	4X	600,000	474	568	656	725	785
	4X	400,000	535	640	743	832	910
	3X	600,000	435	522	599	651	715
	3X	400,000	496	594	688	765	824

Combustion air preheat vs. burner capacity vs. radiant tube exhaust temperature+ in degrees Celsius\*

Recuperator	Sections	Burner Capacity (kW LHV)	Radiant Tube Exhaust Temperature °C				
			650	760	871	982	1,093
<b>8480A-700</b>	4X	212	219	265	306	333	371
	4X	159	236	286	332	368	403
	4X	106	264	319	372	418	456
	3X	212	199	241	276	294	351
	3X	159	216	261	302	328	366
	3X	106	242	293	342	380	416
<b>8480A-600</b>	4X	159	246	298	347	385	418
	4X	106	279	338	395	444	488
	3X	159	224	272	315	344	379
	3X	106	258	312	364	407	440

\* Based on 10% XSA operation

+ See North American Handbook Supplement #290, Estimating Radiant Tube Exhaust Temperature.