

Ofeldt Design

1 Mech Hp = 2544.43 Btu/Hr  
 1 Boiler HP = 33475 Btu/Hr

		Feet	Diameter	ID Inch	Area (sq ft)	Sq Ft/Boil HP	hc	BTU	
<b>Economizer Tube</b>									
					Temperature 400 Deg F		0.33	400	
MonoTube	Pancake (Fill)	20 Ft	3/8" Tube	0.43	2.251474735	3 0.750492		25123	Mech HP 117.20
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<b>Mono Tube Generator (hc of .39) AKA Grzyb Coil</b>									
					Temperature 600 Deg F		0.39	600	
MonoTube	Heli-Coil	20 Ft	3/8" Tube	0	0	2 0		0	
MonoTube	Heli-Coil (fill)	20 Ft	1/2" Tube	0	0	2 0		0	
<b>Water Tube Generator (hc of .39)</b>									
					Temperature 600 Deg F		0.39	600	
WaterTube	Heli-Coil	14 Ft	3/8" pipe	0.49	1.7959438	5 0.359189		12024	
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<b>Super Heat - Mono Tube (hc of .04)</b>									
					Temperature 800 Deg F		0.04	800	
MonTube	Pancake	10 Ft	1/2 Pipe	0.622	1.628392192	1 1.628392		54510	
MonTube	Pancake	20 Ft	1/2 Pipe	0	0	1 0		0	
<b>Feed Water Heater</b>									
					Temperature 300 Deg F				
MonoTube	Straight	20 Ft	0.75	0.43	2.251474735	3 0.750492		25123	
						8.90851		298,212	