

## Cyclone Box Furnace

The rapid, uniform heating of the Cyclone furnace has been proven in thousands of installations. Available in either electric powered or gas-fired models, the Cyclone is very productive for two reasons. First, the cycle time is minimized by the rapid heating capability, Second, very heavy, dense loads can be uniformly treated, maximizing your throughput in a very compact, efficient package. The work is brought rapidly to temperature by the unique recirculating convection heating system that forces pressurized air through the load at high velocity. Temperature uniformity is typically  $\pm 10^{\circ}\text{F}$  or better; if specific fixturing is used,  $\pm 5^{\circ}\text{F}$  can be attained. Loading the Cyclone is foolproof. Because the fan and heater are separate from the load chamber, damage from accidental contact is eliminated and overheating by direct radiant heat is avoided. Temperature range to  $1250^{\circ}\text{F}$  ( $1400^{\circ}$  optional).

### Features

- Separate work/heat chambers
- Versatile furnace handles many applications
- Compact size is ideal for work cell/JIT layout
- High velocity re-circulating fan
- Complete, pre-wired, freestanding control panel with disconnect switch
- SCR power control
- Excess temperature instrument

### Applications

- Aging
- Annealing
- Austempering
- Baking
- Preheating
- Solution Treating
- Stress Relieving
- Tempering

### Options

- Inert atmosphere systems
- Roller rail hearth
- Various control and recorder options

### Benefits

- Excellent temperature uniformity
- High productivity
- Easy to use and maintain



## Specifications

### Electric

Model	Work Dimensions (inches)			Approx. Overall Dimensions			Input	Fan	Approx
	Width	Depth	Height	Width	Depth	Height	kW	H.P.	Wt. Lbs
11-EC-243618-12	24	36	18	64	90	95	34	3	4,300
11-EC-243624-12	24	36	24	64	90	110	40	3	4,800
11-EC-243630-12	24	36	30	64	90	122	45	3	5,250
11-EC-244818-12	24	48	18	64	102	95	41	5	5,100
11-EC-244824-12	24	48	24	64	102	110	47	5	5,700
11-EC-246024-12	24	60	24	64	114	110	53	5	6,200
11-EC-363624-12	36	36	24	76	92	110	50	7.5	5,800
11-EC-363636-12	36	36	36	76	92	139	60	7.5	6,950
11-EC-364824-12	36	48	24	76	112	110	59	7.5	6,800
11-EC-367224-12	36	72	24	76	136	112	85	7.5	8,300
11-EC-484848-12	48	48	48	88	110	165	95	7.5	10,000
11-EC-487260-12	48	72	60	88	146	185	136	10	14,850
11-EC-606048-12	60	60	48	97	136	206	135	10	13,000
11-EC-609648-12	60	96	48	100	170	165	135	15	16,000
11-EC-6012060-12*	60	120	60	100	161	154	130	7.5(X2)	20,000

\*Fans located on roof in element chamber

### Gas-Fired

Model	Work Dimensions (inches)			Approx. Overall Dimensions			BTU	Fan	Approx
	Width	Depth	Height	Width	Depth	Height	X1000	H.P.	Wt. Lbs
11-243618-G12	24	36	18	56	111	95	340	5	1,500
11-244824-G12	24	48	24	56	123	109	305	5	2,000
11-246024-G12	24	60	24	56	135	109	340	7.5	2,500
11-304830-G12	30	48	30	62	123	124	375	5	2,500
11-306030-G12	30	60	30	62	135	124	410	5	3,130
11-364824-G12	36	48	24	68	132	111	400	7.5	3,000
11-367236-G12	36	72	36	68	156	140	545	7.5	4,500
11-487236-G12	48	72	36	80	158	140	645	7.5	6,000
11-488448-G12	48	84	48	86	180	172	800	15	8,000



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