

Series 400 Oven Technical Data

General

Product Opening	36"W x 66"H
Conveyor Slot	33"
Conveyor Speed	4 - 8 fpm
Product loading	12,000 lbs/hr
Hanging Centers	12 inches
Part Mat'l	Steel
Part Length (max)	72 inches

Note:
 The product loading of 12,500 lbs/ft is ~50 lbs/ft at 4 fpm or ~35 lbs/ft at 6 fpm or ~25 lbs/ft at 8 fpm

Dryoff Oven

1 Pass

2 Pass

Temp (max)	400 deg F	400 deg F
Time	5 minutes @ 6 fpm	5 minutes @ 6 fpm
Panels	5 inch	5 inch
Burner Type	415 OP II	415 OP II
Burner Max BTU	1,650,000 BTU/hr	1,650,000 BTU/hr
Burner Est Op	1,035,000 BTU/hr	1,073,000 BTU/hr
Recirc CFM	10,185 cfm	10,185 cfm
Recirc Size	18" fan	18" fan
Recirc Motor	10 hp	10 hp
Exhaust CFM	1,030 cfm	1,030 cfm
Exhaust Motor	.75 hp	.75 hp
Exhaust Stack		
Dimensions	6'W x 10'H x 31'L	13'W x 10'H x 18'L
Elect Service	25 Amps	25 Amps

Cure Ovens

2 Pass

3 Pass

4 Pass

Temp (max)	450 deg F	450 deg F	450 deg F
Time	20 minutes @ 6 fpm	20 minutes @ 6 fpm	20 minutes @ 6 fpm
Panels	5 inch	5 inch	5 inch
Burner Type	415 OP II	415 OP II	415 OP II
Burner Max BTU	1,650,000 BTU/hr	1,650,000 BTU/hr	1,650,000 BTU/hr
Burner Est Op	1,277,000 BTU/hr	1,255,000 BTU/hr	1,249,000 BTU/hr
Recirc CFM	12,200 cfm	12,200 cfm	12,200 cfm
Recirc Size	21" fan	21" fan	21" fan
Recirc Motor	15 hp	15 hp	15 hp
Exhaust CFM	1,015 cfm	1,015 cfm	1,015 cfm
Exhaust Motor	.75 hp	.75 hp	.75 hp
Exhaust Stack			
Dimensions	11'W x 10'H x 62' 6"L	15'W x 10'H x 43'L	19'W x 10'H x 33' 6"L
Elect Service	35 Amps	35 Amps	35 Amps

I R Booster Ovens

8' long

16' Long

Time:	1.3 minutes @ 6 fpm	2.7 minutes @ 6 fpm
Panels	3 inch	3 inch
Emitter	Catalytic	Catalytic
Emitter Size	16" x 40"	16" x 40"
Emitter Qty	16	32
Max BTU/Emitter	35,400 BTU/hr	35,400 BTU/hr
Max BTU Consumption	566,400 BTU/hr	1,132,800 BTU/hr
Max Gas Consumption	566 CFH	1,133 CFH
Exhaust CFM	1,000 cfm	2,000 cfm
Exhaust Motor	.75 hp	1.5 hp
Exhaust Stack	9"	12"
Dimensions	5'W x 9' 3"H x 10' 10"L	5'W x 9' 3"H x 19' 10"L
Elect Service	48 Amps	94 Amps

Series 400 Oven Technical Data Continued

Combo Ovens	1 Pass Dry-off 3 Pass Cure	1 Pass Dry-off 4 Pass Cure
Temp (max)	450 deg F	450 deg F
Time: Dry-off	5 minutes @ 6 fpm	5 minutes @ 6 fpm
Time: Cure	20 minutes @ 6 fpm	20 minutes @ 6 fpm
Panels	5 inch	5 inch
Burner Type	435 OP II	435 OP II
Burner Max BTU	3,850,000 BTU/hr	3,850,000 BTU/hr
Burner Est Op	2,480,000 BTU/hr	2,470,000 BTU/hr
Recirc CFM	28,500 cfm	28,500 cfm
Recirc Size	30" fan	30" fan
Recirc Motor	30 hp	30 hp
Exhaust CFM	2,245 cfm	2,245 cfm
Exhaust Motor	.75 hp	.75 hp
Exhaust Stack		
Dimensions	21'W x 10'H x 43'L	25'W x 10'H x 34'L
Elect Service	67 Amps	67 Amps