

batch ovens

500°F POWDER CURE BATCH OVENS

CONSTRUCTION

- Angle iron frames in all models
- 4" insulated panel construction, 6# density rockwool
- Aluminized steel construction
- 16 ga. aluminized steel duct
- Explosion relief doors with FM approved latches
- 1/4" steel plate floor

CONTROLS

- NEMA 12 control panel
- Digital temperature controller
- 12-hour batch timer
- FM gas train
- Honeywell flame safety
- Main line disconnect
- Air proving switches for critical fans
- Limit switch on product doors for cycle timer
- 230/460 V, 3 Ph., 60 Hz
- Burling hi-limit switch

TECHNICAL DATA

- Chart dimensions are width, height and depth
- Interior dimensions are clear between ducts, walls, floor and top
- Allow a minimum of 6" between parts and ducts for airflow
- Stack is not included with the oven and is to be provided locally
- All specifications are subject to change without notice

Col-Met Spray Booth products comply with all NEC, OSHA and NFPA regulations.

- Shipped assembled and factory tested (up to 10' wide)
- Larger ovens will be shipped unassembled with factory tested and assembled burner and recirculation unit



OVEN CHART WITH DIMENSIONS AND SPECIFICATIONS ON REVERSE SIDE

OVEN CHART WITH DIMENSIONS AND SPECIFICATIONS

500°F POWDER CURE BATCH OVEN SPECIFICATIONS

Model Number	Inside (Ft.-0")			Single Entry Outside			Double Entry Outside			Recirculating Fan		Exhaust Fan		Burner		AREA	Gas Train
	W	H	D	W	H	D	W	H	D	SCFM	HP	SCFM	HP	BTU	HP		
B050605	5	6	5	8'-8"	8'-6"	11'-0"	8'-8"	12'-0"	6'-8"	1,500	1.5	500	1	500	0.33	150	1" NPT
B050606	5	6	6	8'-8"	8'-6"	12'-0"	8'-8"	12'-0"	7'-8"	1,800	1.5	500	1	500	0.33	180	1" NPT
B050607	5	6	7	8'-8"	8'-6"	13'-0"	8'-8"	12'-0"	8'-8"	2,100	2	500	1	500	0.33	210	1" NPT
B050608	5	6	8	8'-8"	8'-6"	14'-0"	8'-8"	12'-0"	9'-8"	2,400	2	500	1	500	0.33	240	1" NPT
B050610	5	6	10	8'-8"	8'-6"	16'-0"	8'-8"	12'-0"	11'-8"	3,000	3	500	1	500	0.33	300	1" NPT
B050612	5	6	12	8'-8"	8'-6"	18'-0"	8'-8"	12'-0"	13'-8"	3,600	3	500	1	500	0.33	360	1" NPT
B060606	6	6	6	9'-8"	8'-6"	12'-0"	9'-8"	12'-0"	7'-8"	2,160	2	500	1	500	0.33	216	1" NPT
B060608	6	6	8	9'-8"	8'-6"	14'-0"	9'-8"	12'-0"	9'-8"	2,880	2	500	1	500	0.33	288	1" NPT
B060610	6	6	10	9'-8"	8'-6"	16'-0"	9'-8"	12'-0"	11'-8"	3,600	3	500	1	500	0.33	360	1" NPT
B060612	6	6	12	9'-8"	8'-6"	18'-0"	9'-8"	12'-0"	13'-8"	4,320	5	500	1	500	0.33	432	1" NPT
B060614	6	6	14	9'-8"	8'-6"	20'-0"	9'-8"	12'-0"	15'-8"	5,040	5	500	1	500	0.33	504	1" NPT
B060616	6	6	16	9'-8"	8'-6"	22'-0"	9'-8"	12'-0"	17'-8"	5,760	5	500	1	1,000	0.33	576	1" NPT
B060620	6	6	20	9'-8"	8'-6"	26'-0"	9'-8"	12'-0"	21'-8"	7,200	7.5	500	1	1,000	0.33	720	1" NPT
B060706	6	7	6	9'-8"	9'-6"	12'-0"	9'-8"	13'-0"	7'-8"	2,520	3	500	1	500	0.33	252	1" NPT
B060707	6	7	7	9'-8"	9'-6"	13'-0"	9'-8"	13'-0"	8'-8"	2,940	3	500	1	500	0.33	294	1" NPT
B060708	6	7	8	9'-8"	9'-6"	14'-0"	9'-8"	13'-0"	9'-8"	3,360	3	500	1	500	0.33	336	1" NPT
B060710	6	7	10	9'-8"	9'-6"	16'-0"	9'-8"	13'-0"	11'-8"	4,200	5	500	1	500	0.33	420	1" NPT
B060712	6	7	12	9'-8"	9'-6"	18'-0"	9'-8"	13'-0"	13'-8"	5,040	5	500	1	500	0.33	504	1" NPT
B060714	6	7	14	9'-8"	9'-6"	20'-0"	9'-8"	13'-0"	15'-8"	5,880	5	500	1	500	0.33	588	1" NPT
B060716	6	7	16	9'-8"	9'-6"	22'-0"	9'-8"	13'-0"	17'-8"	6,720	7.5	500	1	1,000	0.33	672	1" NPT
B060720	6	7	20	9'-8"	9'-6"	26'-0"	9'-8"	13'-0"	21'-8"	8,400	10	750	1	1,000	0.33	840	1" NPT
B060806	6	8	6	9'-8"	10'-6"	12'-0"	9'-8"	14'-0"	7'-8"	2,880	3	500	1	500	0.33	288	1" NPT
B060808	6	8	8	9'-8"	10'-6"	14'-0"	9'-8"	14'-0"	9'-8"	3,840	5	500	1	500	0.33	384	1" NPT
B060810	6	8	10	9'-8"	10'-6"	16'-0"	9'-8"	14'-0"	11'-8"	4,800	5	500	1	500	0.33	480	1" NPT
B060812	6	8	12	9'-8"	10'-6"	18'-0"	9'-8"	14'-0"	13'-8"	5,760	5	500	1	500	0.33	576	1" NPT
B060814	6	8	14	9'-8"	10'-6"	20'-0"	9'-8"	14'-0"	15'-8"	6,720	7.5	500	1	500	0.33	672	1" NPT
B060816	6	8	16	9'-8"	10'-6"	22'-0"	9'-8"	14'-0"	17'-8"	7,680	7.5	500	1	1,000	0.33	768	1" NPT
B060820	6	8	20	9'-8"	10'-6"	26'-0"	9'-8"	14'-0"	21'-8"	9,600	10	750	1	1,000	0.33	960	1" NPT
B070707	7	7	7	10'-8"	9'-6"	13'-0"	10'-8"	13'-0"	8'-8"	3,430	3	500	1	500	0.33	343	1" NPT
B070708	7	7	8	10'-8"	9'-6"	14'-0"	10'-8"	13'-0"	9'-8"	3,920	5	500	1	500	0.33	392	1" NPT
B070710	7	7	10	10'-8"	9'-6"	16'-0"	10'-8"	13'-0"	11'-8"	4,900	5	500	1	500	0.33	490	1" NPT
B070712	7	7	12	10'-8"	9'-6"	18'-0"	10'-8"	13'-0"	13'-8"	5,880	5	500	1	500	0.33	588	1" NPT
B070714	7	7	14	10'-8"	9'-6"	20'-0"	10'-8"	13'-0"	15'-8"	6,860	7.5	500	1	1,000	0.33	686	1" NPT
B070716	7	7	16	10'-8"	9'-6"	22'-0"	10'-8"	13'-0"	17'-8"	7,840	7.5	750	1	1,000	0.33	784	1" NPT
B070720	7	7	20	10'-8"	9'-6"	26'-0"	10'-8"	13'-0"	21'-8"	9,800	10	1,000	1	1,000	0.33	980	1" NPT
B080808	8	8	8	11'-8"	10'-6"	14'-0"	11'-8"	14'-0"	9'-8"	5,120	5	500	1	500	0.33	512	1" NPT
B080810	8	8	10	11'-8"	10'-6"	16'-0"	11'-8"	14'-0"	11'-8"	6,400	5	500	1	500	0.33	640	1" NPT
B080812	8	8	12	11'-8"	10'-6"	18'-0"	11'-8"	14'-0"	13'-8"	7,680	7.5	500	1	1,000	0.33	768	1" NPT
B080814	8	8	14	11'-8"	10'-6"	20'-0"	11'-8"	14'-0"	15'-8"	8,960	10	750	1	1,000	0.33	896	1" NPT
B080816	8	8	16	11'-8"	10'-6"	22'-0"	11'-8"	14'-0"	17'-8"	10,240	10	1,000	1	1,000	0.33	1,024	1" NPT
B080820	8	8	20	11'-8"	10'-6"	26'-0"	11'-8"	14'-0"	21'-8"	12,800	10	1,350	1	1,000	0.33	1,280	1 1/2" NPT
B081008	8	10	8	11'-8"	12'-6"	14'-0"	11'-8"	16'-0"	9'-8"	6,400	5	500	1	500	0.33	640	1" NPT
B081010	8	10	10	11'-8"	12'-6"	16'-0"	11'-8"	16'-0"	11'-8"	8,000	7.5	750	1	1,000	0.33	800	1" NPT
B081012	8	10	12	11'-8"	12'-6"	18'-0"	11'-8"	16'-0"	13'-8"	9,600	10	1,000	1	1,000	0.33	960	1" NPT
B081014	8	10	14	11'-8"	12'-6"	20'-0"	11'-8"	16'-0"	15'-8"	11,200	10	1,000	1	1,000	0.33	1,120	1 1/2" NPT
B081016	8	10	16	11'-8"	12'-6"	22'-0"	11'-8"	16'-0"	17'-8"	12,800	10	1,000	1	1,000	0.33	1,280	1 1/2" NPT
B081020	8	10	20	11'-8"	12'-6"	26'-0"	11'-8"	16'-0"	21'-8"	16,000	15	1,350	1	1,500	0.33	1,600	1 1/2" NPT
B101010	10	10	10	13'-8"	12'-6"	16'-0"	13'-8"	16'-0"	11'-8"	10,000	10	1,000	1	1,000	0.33	1,000	1" NPT
B101012	10	10	12	13'-8"	12'-6"	18'-0"	13'-8"	16'-0"	13'-8"	12,000	10	1,000	1	1,000	0.33	1,200	1 1/2" NPT
B101014	10	10	14	13'-8"	12'-6"	20'-0"	13'-8"	16'-0"	15'-8"	14,000	15	1,350	1	1,000	0.33	1,400	1 1/2" NPT
B101016	10	10	16	13'-8"	12'-6"	22'-0"	13'-8"	16'-0"	17'-8"	16,000	15	1,350	1	1,500	0.33	1,600	1 1/2" NPT
B101020	10	10	20	13'-8"	12'-6"	26'-0"	13'-8"	16'-0"	21'-8"	20,000	20	1,500	1	1,500	0.33	2,000	1 1/2" NPT
B101210	10	12	10	13'-8"	14'-6"	16'-0"	13'-8"	18'-0"	11'-8"	12,000	10	1,000	1	1,000	0.33	1,200	1 1/2" NPT
B101212	10	12	12	13'-8"	14'-6"	18'-0"	13'-8"	18'-0"	13'-8"	14,400	15	1,350	1	1,000	0.33	1,440	1 1/2" NPT
B101214	10	12	14	13'-8"	14'-6"	20'-0"	13'-8"	18'-0"	15'-8"	16,800	15	1,500	1	1,500	0.33	1,680	1 1/2" NPT
B101216	10	12	16	13'-8"	14'-6"	22'-0"	13'-8"	18'-0"	17'-8"	19,200	20	1,500	1	1,500	0.33	1,920	1 1/2" NPT
B101220	10	12	20	13'-8"	14'-6"	26'-0"	13'-8"	18'-0"	21'-8"	24,000	25	2,000	1	2,000	0.33	2,400	1 1/2" NPT
B121212	12	12	12	15'-8"	14'-6"	18'-0"	15'-8"	18'-0"	13'-8"	17,280	15	1,500	1	1,500	0.33	1,728	1 1/2" NPT
B121214	12	12	14	15'-8"	14'-6"	20'-0"	15'-8"	18'-0"	15'-8"	20,160	20	1,500	1	1,500	0.33	2,016	1 1/2" NPT
B121216	12	12	16	15'-8"	14'-6"	22'-0"	15'-8"	18'-0"	17'-8"	23,040	25	2,000	1	2,000	0.33	2,304	1 1/2" NPT
B121220	12	12	20	15'-8"	14'-6"	26'-0"	15'-8"	18'-0"	21'-8"	28,800	25	2,000	1	3,000	0.33	2,880	1 1/2" NPT



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