



industrial



wood



powder



automotive



truck

# 500° POWDER CURE BATCH OVENS

## CONSTRUCTION

- Angle iron frames in all models
- 4" insulated panel construction
- Aluminized steel construction
- 16 ga. aluminized steel duct
- Explosion relief doors with FM approved latches

## CONTROLS

- NEMA 12 control panel
- Digital temperature controller
- 16-hour batch timer
- FM gas train
- Eclipse™ flame safety
- Main line disconnect
- Air proving switches for critical fans
- 230/460 V, 3 Ph., 60 Hz
- Red Lion high-temperature limit switch
- UL / CUL listed control panel

## 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 but can be purchased as option
- Eclipse™ Version 2 air heat burners
- All specifications are subject to change without notice
- Larger ovens will be shipped unassembled with factory tested and assembled burner and recirculation unit
- Factory tested



## COL-MET SMART TOUCH

The Smart Touch Control Panel - standard on all Col-Met Batch Ovens - utilizes the latest in touch-screen technology for minimum complexity and maximum flexibility.

Smart Touch uses a Programmable Logic Controller (PLC) to control the oven components and monitors:

- Motor Starters
- Overloads
- Gas Pressure Switches
- Oven Temperature
- Burner Box Temperature
- Touch Screen that includes a Troubleshooting Screen



COL-MET OVENS COMPLY WITH ALL APPLICABLE NEC, OSHA AND NFPA REGULATIONS.

# 500° POWDER CURE BATCH OVENS

| 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             | 3   | 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 |



Col-Met Spray Booths  
 Dallas, TX // e-mail: sales@colmetsb.com  
 Toll-free: 888.452.6684 // www.colmetsb.com