

# Forced Air Oven

## TFO-1 PART ID: CTF123



|                               |                                             |
|-------------------------------|---------------------------------------------|
| Capacity                      | 1.4 cu.ft. (39.4 liters)                    |
| Interior Dimensions W x D x H | 12.1" x 13.7" x 14.5"<br>307 x 349 x 368 mm |
| Exterior Dimensions W x D x H | 22.7" x 23.5" x 31.5"<br>577 x 596 x 800 mm |
| Unit Weight                   | 126.5 lb (57.4 kg)                          |
| Shipping Weight               | 166.5 lb (76.5 kg)                          |
| Shelves                       | 2 standard, 6 total                         |
| Maximum Weight Per Shelf      | 50 lb / 22.6 kg                             |
| Permitted Total Load          | 100 lb / 45.3 kg                            |
| Standard Door Gasket          | Woven Fiberglass                            |
| Access Port                   | 1.75" Rear                                  |
| Controls                      | Watlow PM9 Plus                             |
| Warranty                      | 2 Year Limited Warranty                     |
| Interior Construction         | 300 series stainless steel                  |
| Exterior Construction         | 20 gauge steel, powder coated               |
| Vertical Clearance            | 24.0" (600 mm)                              |
| Wall Clearance, Each Side     | 6.0" (152 mm)                               |
| Wall Clearance, Rear          | 12.0" (300 mm)                              |

### Electrical, 50/60Hz, AC, 1Ø

|                              |           |
|------------------------------|-----------|
| Voltage                      | 110V-120V |
| Full Load Amps               | 12        |
| Nominal Power (watts @150°C) | 650       |
| Recommended Breaker, Amps    | 15        |
| NEMA Plug Supplied           | 5-15P     |

### Energy Consumption (kWh/day)

|          |      |
|----------|------|
| At 80°C  | 6.5  |
| At 150°C | 12.4 |
| At 306°C | 19.8 |

### Temperature Range 20°C above ambient to 306°C

|                                                          |     |
|----------------------------------------------------------|-----|
| Heat-Up Time — Minutes to 80°C                           | 8   |
| Heat-Up Time — Minutes to 150°C                          | 20  |
| Heat-Up Time — Minutes to 306°C                          | 52  |
| Recovery after Door Opening (30 sec.) — Minutes to 80°C  | 1.5 |
| Recovery after Door Opening (30 sec.) — Minutes to 150°C | 4.5 |
| Recovery after Door Opening (30 sec.) — Minutes to 306°C | 14  |
| Recovery after Door Opening (60 sec.) — Minutes to 80°C  | 4   |
| Recovery after Door Opening (60 sec.) — Minutes to 150°C | 6   |
| Recovery after Door Opening (60 sec.) — Minutes to 306°C | 20  |

### Temperature Uniformity

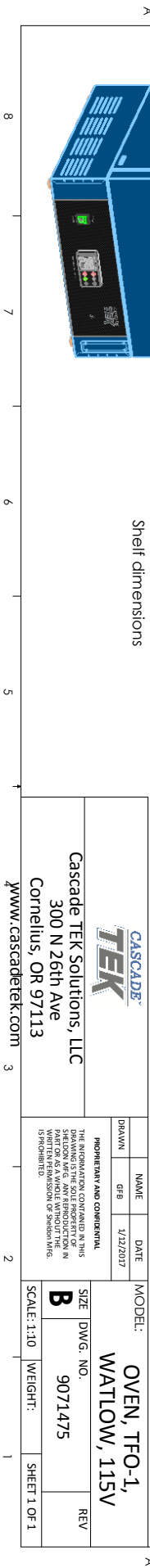
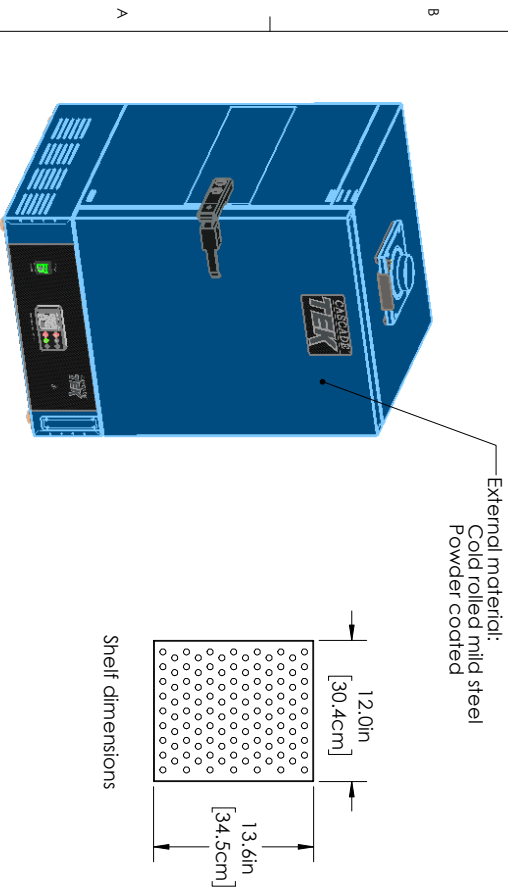
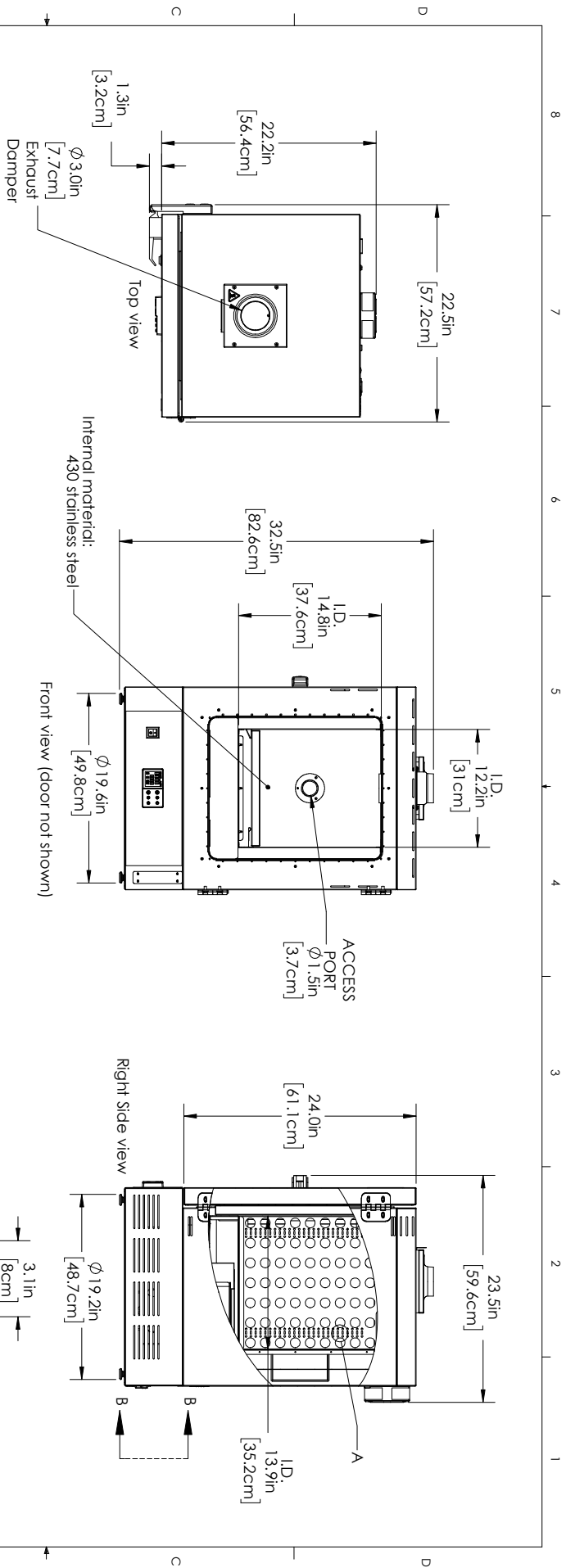
|          |       |
|----------|-------|
| At 80°C  | 1°C   |
| At 150°C | 2.3°C |
| At 306°C | 4.7°C |

### Air Flow Performance

|                           |     |
|---------------------------|-----|
| Air Changes Per Hr at Max | 330 |
| Flow Rate (CFM)           | 5.6 |



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|                                                                                                                                                                                      |  |                                  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------|--|
| CASCADETEK                                                                                                                                                                           |  | MODEL: OVEN, TFO-1, WATLOW, 115V |  |
| Cascade TEK Solutions, LLC<br>300 N 26th Ave<br>Cornelius, OR 97113<br><a href="http://www.cascadetek.com">www.cascadetek.com</a>                                                    |  | SIZE DWG. NO. 9071475            |  |
| DRAWN GFB                                                                                                                                                                            |  | DATE 1/12/2017                   |  |
| NAME                                                                                                                                                                                 |  | REV                              |  |
| DATE                                                                                                                                                                                 |  | SHEET 1 OF 1                     |  |
| PROPERTY AND CONFIDENTIAL                                                                                                                                                            |  | SCALE: 1:10 WEIGHT:              |  |
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