

# 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" 307 x 349 x 368 mm
Exterior Dimensions W x D x H	22.7" x 23.5" x 31.5" 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

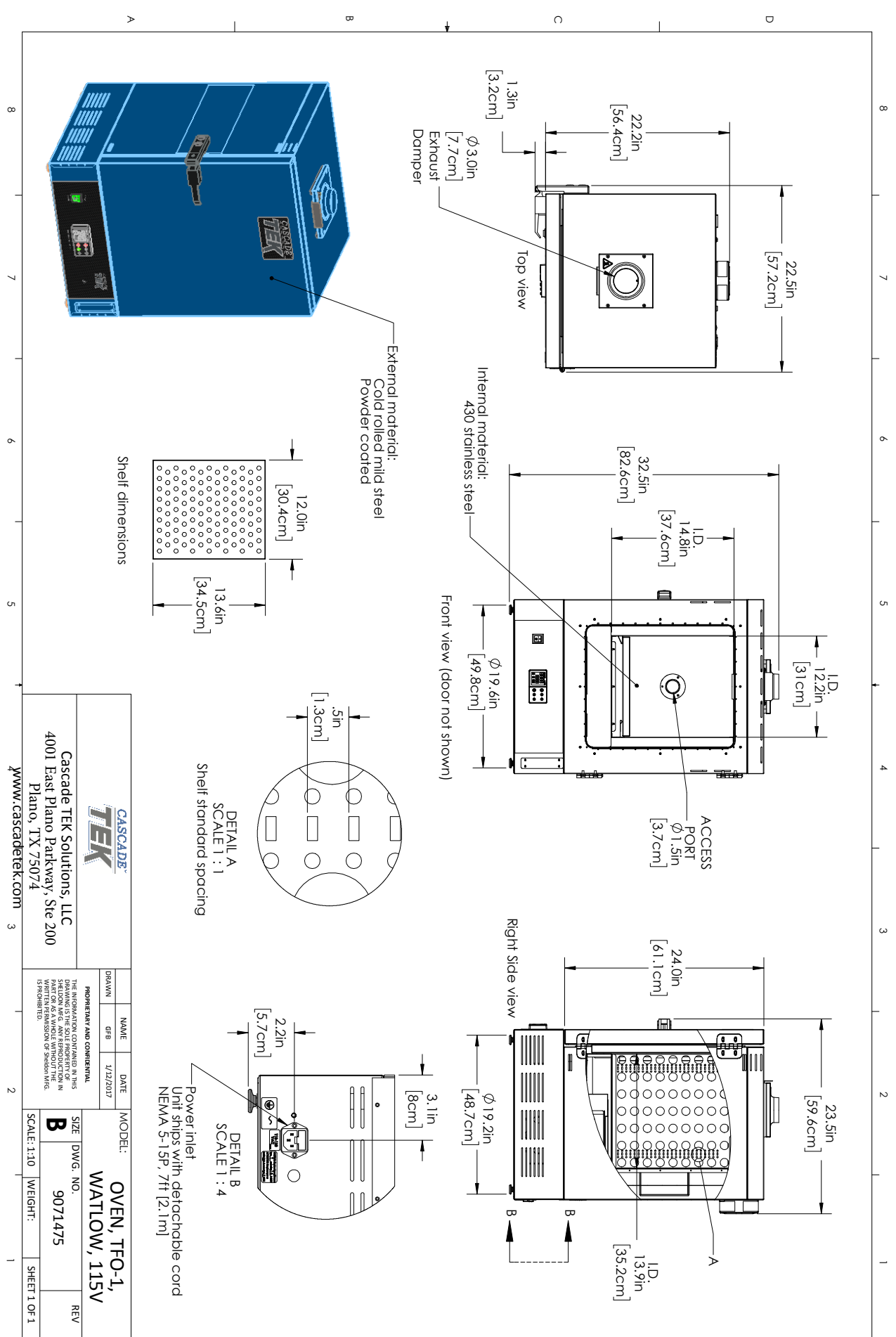
### Temperature Uniformity

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





<b>CASCADE</b> <b>TEK</b>		Cascade TEK Solutions, LLC 4001 East Plano Parkway, Ste 200 Plano, TX 75074 <a href="http://www.cascadetek.com">www.cascadetek.com</a>	
PROPRIETARY AND CONFIDENTIAL	DATE	NAME	MODEL:
THE INFORMATION CONTAINED IN THIS SHEET IS UNCLASSIFIED AND REPRODUCTION IN ANY FORM OR BY ANY MEANS WITHOUT WRITTEN PERMISSION OF SHELTON INC. IS PROHIBITED.	1/12/2017	GF/B	<b>OVEN, TFO-1, WATLOW, 115V</b>
SIZE	DWG. NO.	SCALE: 1:10	WEIGHT:
<b>B</b>	9071475		
REV		SHEET 1 OF 1	