



**Standard Profile**

Model: HSC1TS

### (1) Tote High-Performance Oven, Steam

LEWCO High-Performance Drum & Tote Ovens provide 25% faster heat-up times and, by design, are safer than traditional Hot Boxes. These models employ a high-velocity fan, which pulls air from the oven workspace, circulates it over the heating elements, and then delivers it at a highly convective rate back to the oven workspace. The Standard Profile design features an insulated base with spill containment sump. As standard, High-Performance Ovens are designed and manufactured to meet the requirements of NFPA 86 Class B ovens. Applications involving the off-gassing of flammable volatiles may require additional safety features. Consult factory for non-standard features required for compliance with NFPA 86, Class A ovens.

#### Capacity

- (1) tote/ IBC tank
- 4,000 lbs. per tote

#### Operating Temperature

- 125°F - 300°F  
Note: Maximum achievable temperature is dependent on steam pressure.
- Consult factory for applications below 125°F

#### Construction/ Features

- Welded, 1/8" steel shell
- Optional: Stainless steel
- Insulation: 4" x 6# mineral wool
- Heavy duty door with strap hinges, 3-point latch system, and high-temperature silicone rubber gaskets create a tight seal for efficient heating.
- Interior door release for safety

#### Spill Containment

- 98 gallon capacity
- Sump drain 1" NPT

#### Finish

- Blue or gray alkyd enamel
- Optional: Premium finish for corrosive environments.

#### Heat Source & Capacity

- Saturated Steam, 20-125 PSIG
- Max. 182,000 BTU's per hour @ 75 PSIG.
- Optional: Hot oil & hot water

#### Controls

- Single set-point temperature controller and redundant high-limit controller.
- NEMA 12 enclosure with full voltage lockable disconnect switch.
- Circulation fan(s) include air proving circuits that are electrically interlocked with the heating circuit.
- Controls are wired to NFPA 70 and 79 electrical standards, and meet the requirements of NFPA 86, Class B ovens.
- Optional:
  - Batch Timer
  - Data Logger
  - Door Switch
  - Ramp/ Soak Controller
  - NEMA 7 explosion-proof electrical

#### Circulating Fan

- 1,700 CFM, 1 HP. TEFC motor
- Optional: Explosion-proof motor

#### Electrical Requirements

- Voltage: 480/3/60
- Disconnect: 30 amps
- Other voltages available

#### Shipping & Installation

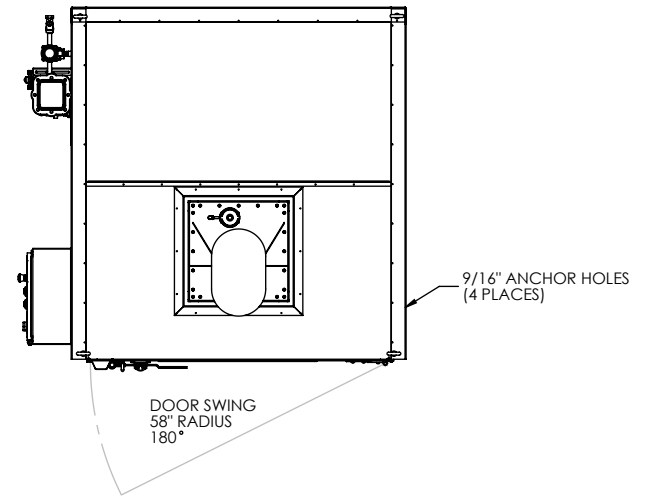
- Ships completely assembled.
- Shipping weight: 2,800 lbs.
- Suitable for indoor use only.

#### Additional Options

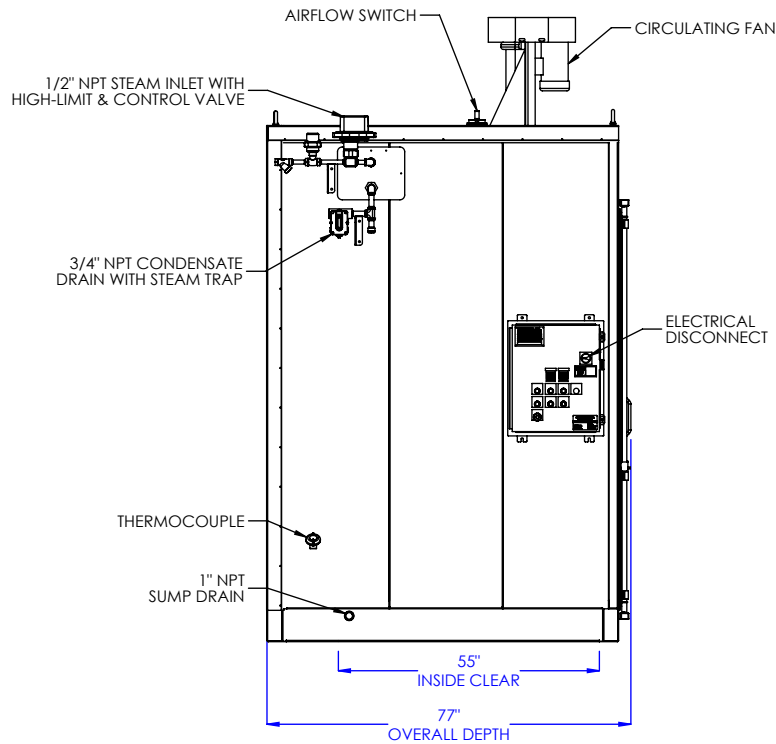
- Exhaust Fan: 62 CFM, ¼ HP. TEFC motor
- NFPA 86 Class A rating
- UL or CSA Certification
- Custom sizes and features available. Please consult a LEWCO Applications Engineer for more information.

#### Quality Assurance

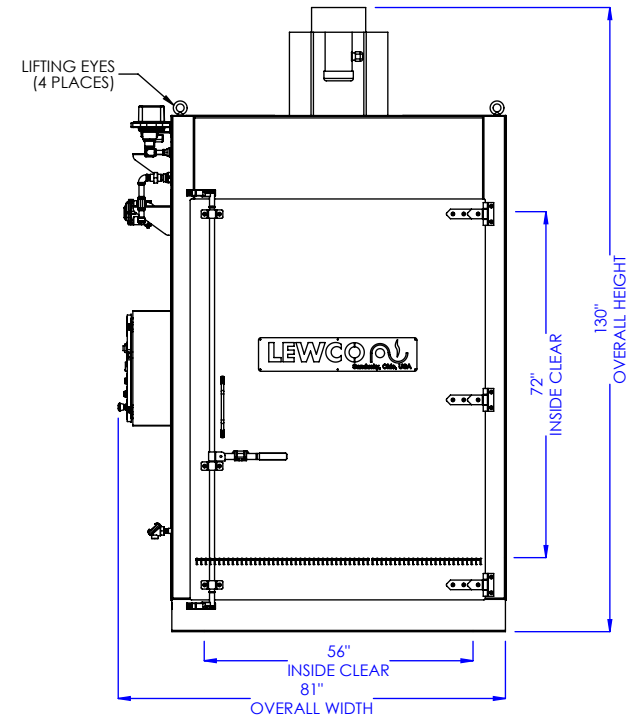
- Each unit comes complete with a (3) year warranty and is fully assembled, wired, and tested prior to shipment.



PLAN VIEW



LEFT SIDE ELEVATION



FRONT ELEVATION

MODEL: HSC1TS

DESCRIPTION: HIGH-PERFORMANCE STEAM/ THERMAL FLUID OVEN,  
1 TOTE, STANDARD PROFILE

**WARNING:** OVENS PROCESSING FLAMMABLE VOLATILES OR COMBUSTIBLE MATERIALS REQUIRE SPECIAL NON-STANDARD SAFETY FEATURES TO COMPLY WITH NFPA 86, "CLASS A" OVENS. KNOW THE PROPERTIES OF THE MATERIALS BEING HEATED. EXPLOSION OR FIRE MAY RESULT FROM MISAPPLICATION.

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**LEWCO**

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