

Standard Profile

Model: HSC16S

(16) Drum 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

- (16) 55-gallon drums palletized
- 2,700 lbs. per pallet

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 doors 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

- 377 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. 220,000 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

- 3,500 CFM, 3 HP. TEFC motor
- Optional: Explosion-proof motor

Electrical Requirements

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

Shipping & Installation

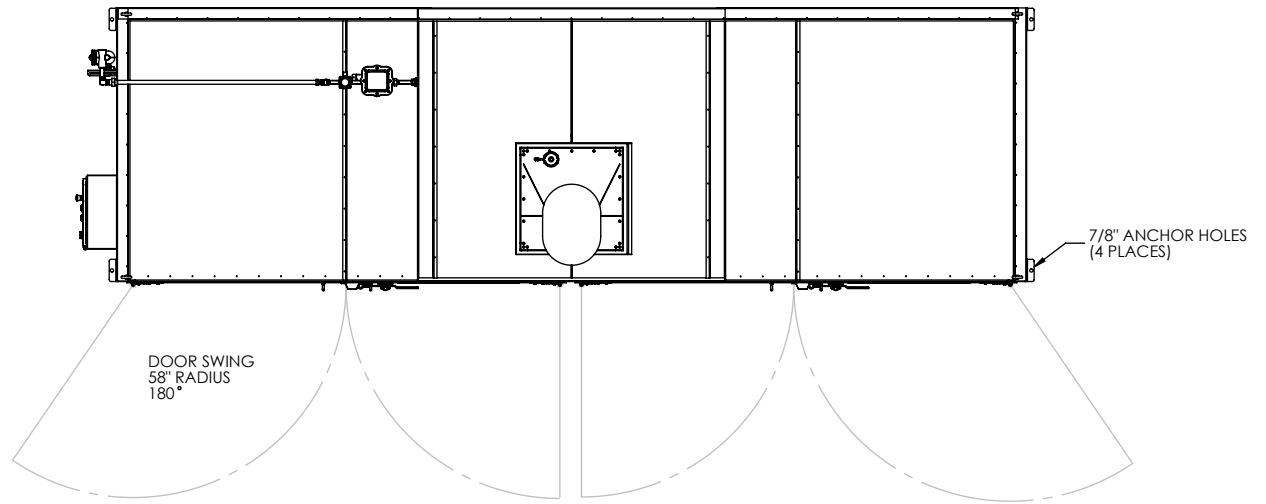
- Ships completely assembled.
- Shipping weight: 9,600 lbs.
- Suitable for indoor use only.

Additional Options

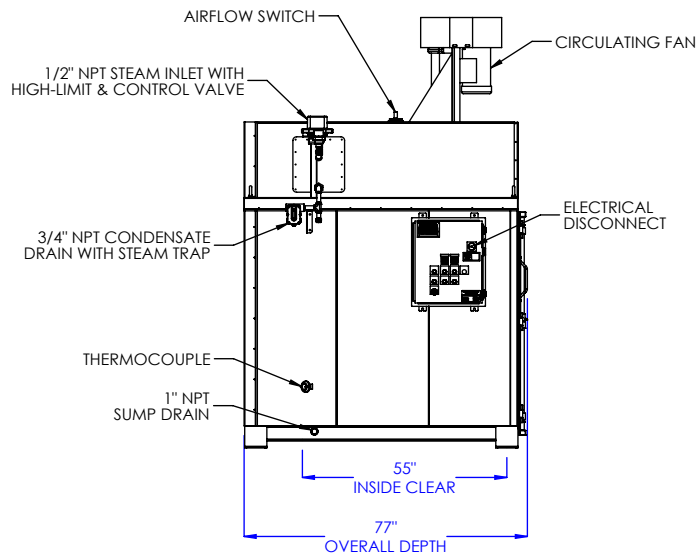
- Exhaust Fan: 250 CFM, ¼ HP. TEFC motor
- NFPA 86 Class A rating
- UL or CSA Certification
- Custom sizes and features available. Please consult a LEWCO Applications Engineer for more information.

Quality Assurance

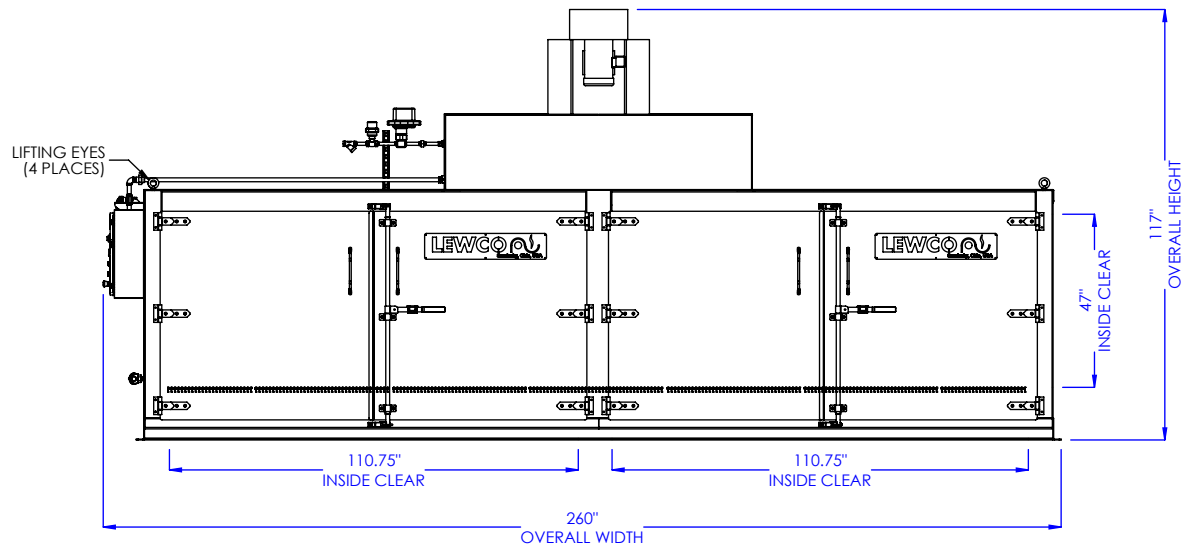
- Each unit comes complete with a (3) year warranty and is fully assembled, wired, and tested prior to shipment.



PLAN VIEW



LEFT SIDE ELEVATION



FRONT ELEVATION

MODEL: HSC16S

DESCRIPTION: HIGH-PERFORMANCE STEAM/ THERMAL FLUID OVEN,
16 DRUM, 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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