

**ACE EQUIPMENT CO.**  
Cleveland, Ohio

**ACE BURN-OFF OVEN FEATURES**

**MODEL 31453-RT**

**PHYSICAL**

Inside Dimensions W/O Cart	120"W x 192"D x 125"H
Inside Dimensions With Cart	120"W x 192"D x 108"H
Volume Over Cart	1440 CU. FT.
Single Platform Cart Dimensions	116"W x 188"D x 17"H
Outside Dimensions	173"W x 235"D x 138"H
Shipping Weight	30,000 LBS.
Location of Controls	Right Side
Location of Exhaust Stack A	Top Rear Left Corner
Location of Exhaust Stack B	Center Left Side
Exhaust Stack I.D. (2)	18"
Exhaust Stack O.D. (2)	22"

**FUEL**

Max Prim. Burner Hi-Fire Input (3)	975,000 BTU/HR
Max Afterburner Hi-Fire Input (2)	1,900,000 BTU/HR
Avg Prim & After. Total Hi-Lo Input	2,156,250 BTU/HR
Natural Gas Inlet Pressure	8" to 14" W.C.
Propane Inlet Pressure	12" to 18" W.C.
Gas Inlet Pipe Size	3"

**ELECTRIC**

Voltage/Phase/Hertz	120/1/60
Amps	* 15 to 20

**WATER**

Normal Capacity	Less Than 20 Gal/HR.
Min/Max Pressure	6 Gal./HR. Ea. Nozzle 30 to 50 PSI

**CYCLE TIME/CAPACITY**

* Normal Cycle Time	2 to 8 Hours
* Combustible Capacity	100 LBS/HR

\* Varies with the combustible load and oven size.

**CONTROLS**

Primary Burner - Normal	800°F (427°C)
Afterburner - Before Primary Ignites	1,000°F (538°C)
Over Temp. Control	Standard
Primary Water Spray	Standard
Secondary Water Spray	Standard
NFPA-86A Specifications	Optional
FM Specifications	Optional OA-2600
U.L. Listed Control Panel	Standard
ISO Control Certified	Standard
Primary Burner off on Loss of A.B.	Standard
Primary & A.B. Burners Rated For Automatic Shutoff System	1,200,000 BTU/HR Standard
One Touch Control (OTC) System	Optional
High Fire Afterburner 1,500°F (798°C)	Optional

**CONSTRUCTION**

Cart Rating	8,000 LBS.
Cart 4" Structural Channel	7.25 LBS/FT
Oven Steel Enclosure	11 Ga. CRS
Oven Enclosure Front Face	1/4" CRS Plate
Angle Iron Reinforced Enclosure	Standard
Blanket Insulation 4" Thick 2,300°F.	Standard
Aluminized Coating Inside Enclosure	Standard
Steel Floor Covers Over 4" Insulation	3/16" CRS
Exterior Finish Hi-Temp.	Blue Enamel
Exhaust Stack Insulation Rated	2,700°F. 2" Thick
Top Mount Pressure Relief Hatches (4)	110.4 SQ. FT.
Oven Volume 1,667 CU. FT.	1:15.10 Vent Ratio
Qty Primary Water Nozzles	24 Standard
Qty Secondary Water Nozzles	20 Standard
Qty Primary Burners	3 Standard
Qty Afterburners	2 Standard

NFPA Preferred Vent Ratio: 1:15

**WARRANTY**

The oven is warranted to be free from defects in material and workmanship on the date of sale by ACE or an authorized ACE distributor to the original purchaser who states he will use the oven. As purchaser's sole remedy for breach of this warranty, ACE will, for a period of twelve months from the date of sale, repair or replace any part of the equipment which is proven to be defective. This warranty applies only when the oven is installed, operated and maintained in accordance with ACE's recommendations.

This data is based on our standard ovens. Any deviation from our standards, may result in changes to this data.

Excel:\ACE Bus Doc\S&M\Ovens\Spec Sheets\Specs\Value Added Specifications