



# 500 SERIES RESTAURANT RANGE

6 Open Burners, Single Oven

### Standard Features

- Cast iron wavy grate with cast-in-bowl and 15" rear section
- Electronic ignition
- Manual gas shut-off to entire range
- 6" Casters - 2 locking, 2 non-locking
- 22-1/2" riser with removable stainless steel shelf
- 27,000 BTU NAT (24,000 BTU LP) non-clogging burners with lifetime warranty
- 6 patented, non-clogging, cast iron burners
- 5-1/2" Bright annealed front rail and valve panel
- Commercial gas range 36-1/2" wide with a 37" cooking top (including 6" high casters)
- Removable stainless steel one-piece drip tray under burners
- Stainless steel front, trim, kick and sides
- 2" ergonomically designed, "Cool Touch" chrome door handle
- Two year Parts and Labor Warranty

Standard Oven  
536D

Convection Oven  
536A

Standard Oven w/  
Infrared Broiler  
536R



Job  
Item#

### Common Oven Features

- Blue porcelain interior and door lining
- Five rack positions
- Full size sheet pans fit side-to-side or front-to-back (std oven only)
- Lift-out oven bottom and coved interior
- Fully front serviceable
- Equipped with a flame failure safety device
- Thermostat range from 250° - 500°F (121° - 260°C) with low setting

#### Standard Oven (D suffix)

- 45,000 BTU NAT (40,000 BTU LP)

#### Convection Oven (A suffix)

- 32,000 BTU NAT (30,000 BTU LP)
- On/Off switch to allow CO base to operate as Standard oven

#### Standard Oven w/ Infrared Broiler (R suffix)

- Standard Oven with 9,500 BTU broiler in oven

### STANDARD CONSTRUCTION SPECIFICATIONS

**Exterior Finish:** Bright annealed front rail and valve panel. Stainless steel front, trim, kick panel and sides.

**Range Top:-** 6 each, 27,000 BTU NAT (24,000 BTU LP) cast iron burners round, non-clogging design. Center-to-center measurements between burners not less than 12", side-to-side or front-to-back. A removable one piece stainless steel drip tray is provided under burners to catch grease drippings

**Door:** Constructed with heavy duty hinges and quadrants and 2" ergonomically designed, "Cool Touch" chrome handle

**Casters:** 6", all swivel, (2) front locking

#### Standard Models (536D)

**Interior:** 45,000 BTU NAT (40,000 BTU LP) Blue porcelain enamel interior and door lining. Fully insulated oven cavity.

**Rack and Rack Guides:** Five rack positions with two racks.

**Controls:** Oven thermostat temperature type adjustable for 250° - 500° F with a low setting.

#### Standard Models w/ Infrared Broiler (536R)

Standard oven with 9,500 BTU broiler in oven.

#### Convection Models (536A):

**Interior:** 32,000 BTU NAT (30,000 BTU LP) Blue porcelain enamel interior and door lining. Fully insulated oven cavity.

**Rack and Rack Guides:** Heavy duty, 5 position rack guides on 2-3/8" centers with 2 removable plated racks. (For best results, no more than 3 racks should be used)

**Blower Fan and Motor:** 1/2 hp, 1725 rpm, 60 cycle, 115V AC, high efficiency, permanent split phase motor with permanent lubricated ball bearings, overload protection and Class "B" insulation. Motor mounted to rear of oven. Motor serviceable from front of oven through oven cavity.

**Electrical System:** Wired for single phase, 115V AC with 6' cord and 3-prong plug supplied with each deck.

**Gas Control System:** Includes pressure regulator, flame switch safety, pilot filter, pilot adjustment

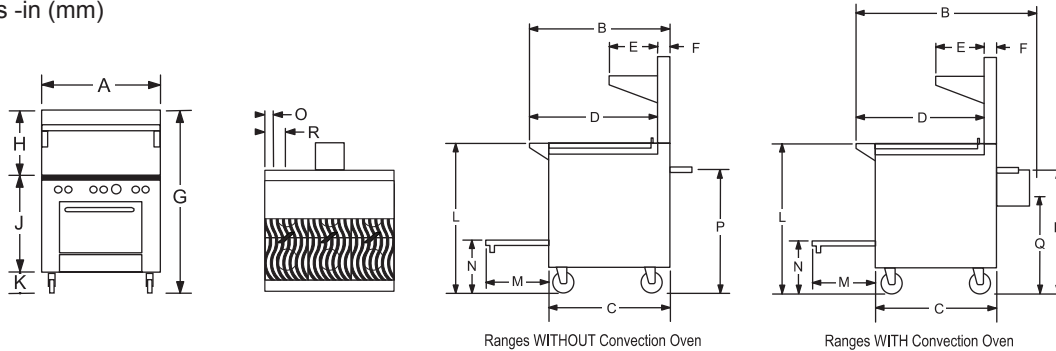
**Oven Heating:** Aluminized steel bar burner. Dual flow fan recirculates heat directly from combustion area and within oven cavity.

**Controls:** Oven thermostat temperature type adjustable for 250° - 500° F with a low setting.



Models:  536D  536A  536R

Dimensions -in (mm)



MODELS	EXTERIOR										COOK TOP	DOOR OPENING	OVEN BOTTOM	3/4" GAS CONN.		ELECTRIC	
	WIDTH A	DEPTH B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	R
536D, 536R	36.50" (927)	36.50" (927)	29.75" (756)	32.50" (826)	11.75" (298)	2.75" (70)	59.50" (1511)	22.50" (572)	31.00" (787)	6.00" (152)	37.00" (940)	15.50" (394)	13.00" (330)	3.25" (83)	30.25" (768)	-	-
536A	36.50" (927)	46.50" (1181)	29.75" (756)	32.50" (826)	11.75" (298)	2.75" (70)	59.50" (1511)	22.50" (572)	31.00" (787)	6.00" (152)	37.00" (940)	15.50" (394)	13.00" (330)	3.25" (83)	30.25" (768)	24.00" (610)	6.00" (152)

MODELS	BURNERS (BTU EACH NAT/LP)			OVEN INTERIOR			CRATE SIZE			CUBIC VOLUME	CRATED WEIGHT
	GRIDDLE	OPEN	OVEN	WIDTH	DEPTH	HEIGHT	WIDTH	DEPTH	HEIGHT		
536D	-	6@(27K/24K)	1@(45K/40K)	26.00" (660)	26.50" (673)	14.00" (356)					
536A	-	6@(27K/24K)	1@(32K/30K)	26.00" (660)	24.00" (610)	14.00" (356)	44.00" (1118)	45.50" (1158)	48.00" (1219)	55.6 cu. ft. 1.57 cu.m.	535 lbs. 242.7 kg.
536R	-	6@(27K/24K)	1@(45K/40K) w/ 9,500 BTU Broiler	26.00" (660)	26.50" (673)	14.00" (356)					

### UTILITY INFORMATION

#### GAS:

- 536D Total BTU-NAT: 207,000; LP: 184,000
- 536A Total BTU-NAT: 194,000; LP: 174,000
- 536R Total BTU-NAT: 216,500; LP: 183,500
- Pressure regulator is supplied with unit
- Required supply line size to the regulator is 3/4" NPT.
- Required minimum inlet pressure
  - Natural gas 5" W.C.
  - Propane gas 10" W.C.

#### ELECTRICAL:

- AAA battery required for electronic ignition system

#### (536 Only)

- Standard -115/60/1 furnished with 6' cord with 3-prong plug. Total max amps 3.8.
- Optional -208/60/1, 50/60/1 or 3 phase. Supply must be wired to junction box with terminal block located at rear. Total max amps 2.6.

#### NOTICE:

Southbend has a policy of continuous product research and improvement. We reserve the right to change specifications and product design without notice. Such revisions do not entitle the buyer to corresponding changes, improvements, additions or replacements for previously purchased equipment.

### MISCELLANEOUS

- If using Flex-Hose, the I.D. should not be smaller than 3/4" and must comply with ANSI Z 21.69
- If casters are used with flex hose, a restraining device should be used to eliminate undue strain on the flex hose
- For installation on combustible floors (with 6" high legs) and adjacent to combustible walls, allow 6" clearance.
- Recommended - Install under vented hood
- Check local codes for fire, installation and sanitary regulations.
- If the unit is connected directly to the outside flue, an A.G.A approved down draft diverter must be installed at the flue outlet of the oven.

### OPTIONS AND ACCESSORIES

- 6" legs in lieu of casters at no charge
- 10" flue riser (back shelf not compatible with 10" flue riser)
- 3/4" quick disconnect with flexible hose complies with ANSI Z 21.69 (specify 3', 4', 5')
- Tray or Tubular style lift-off shelving
- Flame failure on open tops (not available on griddle combinations)
- CM-36 Cheesemelter
- NFR-36 Infrared Salamander Broiler
- Standing pilot available in lieu of electronic ignition at no charge
- Extra Oven Racks

**INTENDED FOR COMMERCIAL USE ONLY.  
NOT FOR HOUSEHOLD USE.**



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