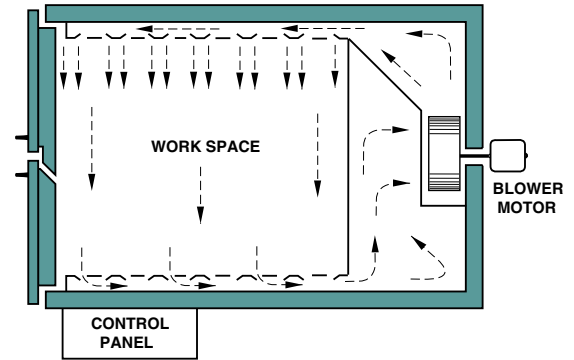


**WALK-IN OVEN  
HORIZONTAL AIR FLOW  
REAR HEAT CHAMBER**



**MODEL WRH566-500 GAS**  
WITH STANDARD PLATE FLOOR AND DOORSILL



**Circulation Diagram  
(Top View)**

**CAUTION: OVENS PROCESSING COMBUSTIBLE MATERIAL ARE REQUIRED BY NATIONAL FIRE PROTECTION ASSOCIATION STANDARD 86 TO HAVE A FIRE SUPPRESSION SYSTEM. IF FLAMMABLE SOLVENTS OR VAPORS ARE PRESENT IN AN OVEN, OSHA REQUIRES CONFORMANCE WITH NFPA 86 WHICH DEFINES OVENS FOR THESE APPLICATIONS AS CLASS A OVENS. A POWERED FORCED EXHAUSTER AND OTHER NON-STANDARD SAFETY EQUIPMENT MUST BE ADDED. SEE BULLETIN TC-940 AND CONSULT FACTORY.**

**SPECIFICATIONS**

Model	Work Space		Outside Dimensions* (WxDxH)	Max Temp	Blower		Insulation	Heat Input		Operating Characteristics†				Approx Shipping Weight
	Dimensions (WxDxH)	Volume Cu Ft			CFM	HP		KW	BTU/HR	Control Accuracy	Oven Uniformity	Rise Time		
												Electric	Gas	
WRH446-500	48" x 48" x 72"	96	67" x 86" x 83"	500°F	3300	2	6"	30	250,000	±0.3%	±6°F	40 min	20 min	2945
WRH446-650	48" x 48" x 72"	96	69" x 88" x 84"	650°F	3300	2	7"	40	300,000	±0.3%	±8°F	45 min	25 min	3355
WRH446-800	48" x 48" x 72"	96	73" x 90" x 86"	800°F	4000	3	8"	45	350,000	±0.3%	±10°F	55 min	35 min	3775
WRH566-500	60" x 72" x 72"	180	81" x 110" x 83"	500°F	4200	3	6"	40	300,000	±0.3%	±6°F	40 min	20 min	3930
WRH566-650	60" x 72" x 72"	180	83" x 112" x 84"	650°F	4200	3	7"	45	350,000	±0.3%	±8°F	50 min	25 min	4645
WRH566-800	60" x 72" x 72"	180	87" x 114" x 86"	800°F	5000	5	8"	60	400,000	±0.3%	±10°F	50 min	35 min	4765
WRH586-500	60" x 96" x 72"	240	83" x 134" x 83"	500°F	6000	5	6"	45	350,000	±0.3%	±6°F	40 min	25 min	4090
WRH586-650	60" x 96" x 72"	240	85" x 136" x 84"	650°F	6000	5	7"	60	400,000	±0.3%	±8°F	45 min	30 min	5005
WRH586-800	60" x 96" x 72"	240	88" x 152" x 86"	800°F	7800	5	8"	80	600,000	±0.3%	±10°F	50 min	35 min	5855
WRH666-500	72" x 72" x 78"	234	95" x 110" x 89"	500°F	6000	5	6"	45	350,000	±0.3%	±6°F	40 min	25 min	4085
WRH666-650	72" x 72" x 78"	234	97" x 112" x 90"	650°F	6000	5	7"	60	400,000	±0.3%	±8°F	45 min	30 min	5000
WRH666-800	72" x 72" x 78"	234	102" x 128" x 92"	800°F	7800	5	8"	80	600,000	±0.3%	±10°F	50 min	35 min	5860
WRH686-500	72" x 96" x 78"	312	97" x 148" x 89"	500°F	7800	5	6"	60	400,000	±0.3%	±6°F	40 min	25 min	6685
WRH686-650	72" x 96" x 78"	312	99" x 150" x 90"	650°F	7800	5	7"	80	600,000	±0.3%	±8°F	45 min	25 min	7000
WRH686-800	72" x 96" x 78"	312	104" x 152" x 92"	800°F	10,000	7½	8"	100	700,000	±0.3%	±10°F	45 min	30 min	8230
WRH6106-500	72" x 120" x 78"	390	100" x 173" x 88"	500°F	10,000	7½	6"	80	600,000	±0.3%	±6°F	30 min	20 min	7555
WRH6106-650	72" x 120" x 78"	390	102" x 174" x 89"	650°F	10,000	7½	7"	100	700,000	±0.3%	±8°F	35 min	25 min	7870
WRH6106-800	72" x 120" x 78"	390	108" x 176" x 91"	800°F	12,500	10	8"	120	800,000	±0.3%	±10°F	45 min	35 min	8605
WRH6126-500	72" x 144" x 78"	468	104" x 197" x 88"	500°F	12,500	10	6"	80	600,000	±0.3%	±6°F	40 min	20 min	8735
WRH6126-650	72" x 144" x 78"	468	106" x 198" x 89"	650°F	12,500	10	7"	100	700,000	±0.3%	±8°F	45 min	25 min	9050
WRH6126-800	72" x 144" x 78"	468	116" x 206" x 91"	800°F	17,500	15	8"	120	800,000	±0.3%	±10°F	55 min	35 min	11,220
WRH688-500	72" x 96" x 96"	384	98" x 149" x 106"	500°F	10,000	7½	6"	80	600,000	±0.3%	±6°F	30 min	20 min	7550
WRH688-650	72" x 96" x 96"	384	100" x 150" x 107"	650°F	10,000	7½	7"	100	700,000	±0.3%	±8°F	35 min	25 min	7860
WRH787-500	84" x 96" x 84"	392	112" x 149" x 94"	500°F	10,000	7½	6"	80	600,000	±0.3%	±6°F	35 min	20 min	8255
WRH787-650	84" x 96" x 84"	392	114" x 150" x 95"	650°F	10,000	7½	7"	100	700,000	±0.3%	±8°F	40 min	25 min	8670
WRH7107-500	84" x 120" x 84"	490	116" x 173" x 94"	500°F	12,500	10	6"	80	600,000	±0.3%	±6°F	40 min	25 min	9435
WRH7107-650	84" x 120" x 84"	490	118" x 174" x 95"	650°F	12,500	10	7"	100	700,000	±0.3%	±8°F	45 min	30 min	9850
WRH7127-500	84" x 144" x 84"	588	122" x 203" x 94"	500°F	17,500	15	6"	100	700,000	±0.3%	±6°F	40 min	25 min	11,145
WRH7127-650	84" x 144" x 84"	588	124" x 204" x 95"	650°F	17,500	15	7"	140	1,200,000	±0.3%	±8°F	40 min	25 min	11,565
WRH8108-500	96" x 120" x 96"	640	132" x 179" x 106"	500°F	17,500	15	6"	120	800,000	±0.3%	±6°F	35 min	25 min	11,365
WRH8108-650	96" x 120" x 96"	640	134" x 180" x 107"	650°F	17,500	15	7"	160	1,200,000	±0.3%	±8°F	35 min	25 min	11,880
WRH8128-500	96" x 144" x 96"	768	140" x 210" x 106"	500°F	24,500	20	6"	140	1,200,000	±0.3%	±6°F	35 min	25 min	13,705
WRH8128-650	96" x 144" x 96"	768	142" x 211" x 107"	650°F	24,500	20	7"	180	1,200,000	±0.3%	±8°F	35 min	25 min	14,215

\*All Models—Control panel overhang 9" right side.  
Blower motor overhang 19" rear through 5 HP, 26" up to 10 HP,  
30" at 15 HP and 36" at 20 HP.

Gas Models—Burner overhang 15" right side.  
325 CFM exhauster except 650 CFM at 1,200,000 BTU/HR.

†Accuracy as percent of controller span. Uniformity at 50°F below maximum temperature. Rise Time in minutes to 50°F below maximum temperature. Tests run with empty oven and minimum exhaust. Performance will vary with load and application. See Bulletin TC-920 for additional details.

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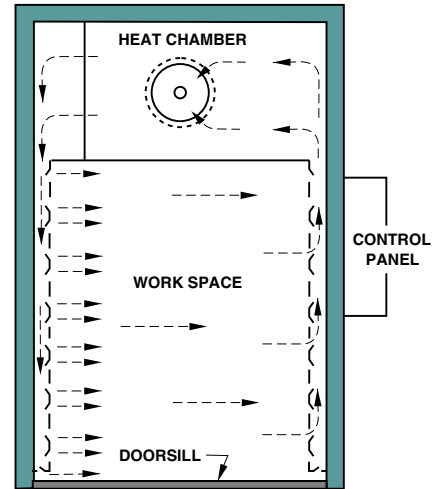


# WALK-IN OVEN HORIZONTAL AIR FLOW TOP HEAT CHAMBER



**MODEL WTH666-500 ELECTRIC**  
WITHOUT DOORSILL, WITH DRAG SEALS ON DOORS

**Circulation Diagram  
(Front View)**



**CAUTION: OVENS PROCESSING COMBUSTIBLE MATERIAL ARE REQUIRED BY NATIONAL FIRE PROTECTION ASSOCIATION STANDARD 86 TO HAVE A FIRE SUPPRESSION SYSTEM. IF FLAMMABLE SOLVENTS OR VAPORS ARE PRESENT IN AN OVEN, OSHA REQUIRES CONFORMANCE WITH NFPA 86 WHICH DEFINES OVENS FOR THESE APPLICATIONS AS CLASS A OVENS. A POWERED FORCED EXHAUSTER AND OTHER NON-STANDARD SAFETY EQUIPMENT MUST BE ADDED. SEE BULLETIN TC-940 AND CONSULT FACTORY.**

## SPECIFICATIONS

Model	Work Space		Outside Dimensions* (WxDxH)	Max Temp	Blower		Insulation	Heat Input		Operating Characteristics†				Approx Shipping Weight
	Dimensions (WxDxH)	Volume Cu Ft			CFM	HP		KW	BTU/HR	Control Accuracy	Oven Uniformity	Rise Time		
												Electric	Gas	
WTH446-500	48" x 48" x 72"	96	70" x 65" x 116"	500°F	3300	2	6"	30	250,000	0.3%	±6°F	40 min	20 min	2970
WTH446-650	48" x 48" x 72"	96	72" x 66" x 117"	650°F	3300	2	7"	40	300,000	0.3%	±8°F	45 min	25 min	3480
WTH446-800	48" x 48" x 72"	96	74" x 68" x 119"	800°F	4000	3	8"	45	350,000	0.3%	±10°F	55 min	35 min	3890
WTH566-500	60" x 72" x 72"	180	84" x 89" x 116"	500°F	4200	3	6"	40	300,000	0.3%	±6°F	40 min	20 min	4070
WTH566-650	60" x 72" x 72"	180	86" x 90" x 117"	650°F	4200	3	7"	45	350,000	0.3%	±8°F	50 min	25 min	4780
WTH566-800	60" x 72" x 72"	180	90" x 92" x 119"	800°F	5000	5	8"	60	400,000	0.3%	±10°F	50 min	35 min	4900
WTH586-500	60" x 96" x 72"	240	84" x 113" x 116"	500°F	6000	5	6"	45	350,000	0.3%	±6°F	40 min	25 min	4335
WTH586-650	60" x 96" x 72"	240	86" x 114" x 117"	650°F	6000	5	7"	60	400,000	0.3%	±8°F	45 min	30 min	5145
WTH586-800	60" x 96" x 72"	240	92" x 116" x 129"	800°F	7800	5	8"	80	600,000	0.3%	±10°F	50 min	35 min	6505
WTH666-500	72" x 72" x 78"	234	100" x 89" x 122"	500°F	6000	5	6"	45	350,000	0.3%	±6°F	40 min	25 min	4330
WTH666-650	72" x 72" x 78"	234	102" x 90" x 123"	650°F	6000	5	7"	60	400,000	0.3%	±8°F	45 min	30 min	5140
WTH666-800	72" x 72" x 78"	234	108" x 92" x 135"	800°F	7800	5	8"	80	600,000	0.3%	±10°F	50 min	35 min	6495
WTH686-500	72" x 96" x 78"	312	100" x 113" x 132"	500°F	7800	5	6"	60	400,000	0.3%	±6°F	40 min	25 min	6830
WTH686-650	72" x 96" x 78"	312	102" x 114" x 133"	650°F	7800	5	7"	80	600,000	0.3%	±8°F	45 min	25 min	7145
WTH686-800	72" x 96" x 78"	312	108" x 116" x 135"	800°F	10,000	7½	8"	100	700,000	0.3%	±10°F	50 min	30 min	8475
WTH6106-500	72" x 120" x 78"	390	100" x 137" x 132"	500°F	10,000	7½	6"	80	600,000	0.3%	±6°F	35 min	20 min	7605
WTH6106-650	72" x 120" x 78"	390	102" x 138" x 133"	650°F	10,000	7½	7"	100	700,000	0.3%	±8°F	35 min	25 min	7820
WTH6106-800	72" x 120" x 78"	390	108" x 140" x 135"	800°F	12,500	10	8"	120	800,000	0.3%	±10°F	45 min	35 min	9355
WTH6126-500	72" x 144" x 78"	468	104" x 161" x 132"	500°F	12,500	10	6"	80	600,000	0.3%	±6°F	40 min	25 min	8700
WTH6126-650	72" x 144" x 78"	468	106" x 162" x 133"	650°F	12,500	10	7"	100	700,000	0.3%	±8°F	45 min	30 min	9015
WTH6126-800	72" x 144" x 78"	468	112" x 164" x 145"	800°F	17,500	15	8"	120	800,000	0.3%	±10°F	55 min	40 min	11,090
WTH688-500	72" x 96" x 96"	384	104" x 113" x 150" <sup>1c</sup>	500°F	10,000	7½	6"	80	600,000	0.3%	±6°F	30 min	20 min	6995
WTH688-650	72" x 96" x 96"	384	106" x 114" x 151" <sup>1c</sup>	650°F	10,000	7½	7"	100	700,000	0.3%	±8°F	35 min	25 min	7310
WTH787-500	84" x 96" x 84"	392	116" x 113" x 138"	500°F	10,000	7½	6"	80	600,000	0.3%	±6°F	35 min	20 min	8205
WTH787-650	84" x 96" x 84"	392	118" x 114" x 139"	650°F	10,000	7½	7"	100	700,000	0.3%	±8°F	40 min	25 min	8615
WTH7107-500	84" x 120" x 84"	490	116" x 137" x 138"	500°F	12,500	10	6"	80	600,000	0.3%	±6°F	40 min	25 min	9285
WTH7107-650	84" x 120" x 84"	490	118" x 138" x 139"	650°F	12,500	10	7"	100	700,000	0.3%	±8°F	45 min	30 min	9600
WTH7127-500	84" x 144" x 84"	588	120" x 157" x 148" <sup>1c</sup>	500°F	17,500	15	6"	100	700,000	0.3%	±6°F	40 min	25 min	11,110
WTH7127-650	84" x 144" x 84"	588	122" x 162" x 149" <sup>1c</sup>	650°F	17,500	15	7"	140	1,200,000	0.3%	±8°F	40 min	25 min	11,540
WTH8108-500	96" x 120" x 96"	640	136" x 137" x 160" <sup>1c</sup>	500°F	17,500	15	6"	120	800,000	0.3%	±6°F	35 min	25 min	11,245
WTH8108-650	96" x 120" x 96"	640	138" x 138" x 161" <sup>1c</sup>	650°F	17,500	15	7"	160	1,200,000	0.3%	±8°F	35 min	25 min	11,860
WTH8128-500	96" x 144" x 96"	768	140" x 161" x 170" <sup>1c</sup>	500°F	24,500	20	6"	140	1,200,000	0.3%	±6°F	35 min	25 min	13,500
WTH8128-650	96" x 144" x 96"	768	142" x 162" x 171" <sup>1c</sup>	650°F	24,500	20	7"	180	1,200,000	0.3%	±8°F	35 min	25 min	14,215

\*All Models—Control panel overhang 9" right side.  
Model WTH-446—Motor mount 19" right side; Gas burner 15" left side.  
Models WTH-566 & WTH666—Gas burner overhang 15" front.  
Gas Models—325 CFM exhauster except 650 CFM at 1,200,000 BTU/HR  
Removable heat chamber recommended. See below.

†Accuracy as percent of controller span. Uniformity at 50°F below maximum temperature. Rise Time in minutes to 50°F below maximum temperature. Tests run with empty oven and minimum exhaust. Performance will vary with load and application. See Bulletin TC-920 for additional details.

● **Removable Top Mounted Heat Chamber**, fully assembled to oven and tested. Heat chamber match marked and removed for shipping or installation clearance. Overall height increases by one insulated wall thickness and overall width increases by 2" . . .RHC

● **Double Doors Both Ends**, additional set of doors on rear of oven to allow access to work space from both ends. Overall depth increases by 4" . . .DD