

4000 SERIES RECIRCULATING OVEN



SAFE, SIMPLE, & DEPENDABLE

General purpose recirculating ovens for tempering, drawing, annealing and preheating steel, aluminum, glass and ceramics in air atmosphere. Available at operating temperatures of 1200°F (42 models), 1400°F (44 models), 1600°F (46 models) and 1800°F (49 models).

All models are equipped with an alloy fan assembly and stainless steel liner providing a horizontal air flow pattern and uniform temperature throughout the chamber. The liner directs the air flow and baffles the heating elements from the work area. The 4055 Models are heavier duty units featuring 50 lbs./sq. ft. loading capacity, 6.5" of insulation on the walls, hard brick work surface, belt driven fan, and controls located in a side mounted control panel.

All models are completely wired to N.E.C., assembled, test fired and shipped ready for connection to main power supply. Compact design, fast installation, and simple, safe, dependable operation. Available in over thirty standard sizes.

STANDARD FEATURES

- Welded sheet metal shell construction with structural reinforcement.
- Heavy gauge coil wound low-watt density heating elements for longer life.
- Multi-layered energy efficient lightweight firebrick and mineral block insulation for maximum heat storage and minimum heat loss.



Model 42-V60

- Elements mounted in easy-to-replace holders located on side walls for uniform temperature.
- Stainless steel fan with motor and belt drive.
- Stainless steel liner forms work area and directs air flow.
- Hearth plate for load support and floor brick protection on Series 4055 models.
- Horizontal swing door with adjustable latch for positive seal.
- Safety micro-switch shuts off power to elements and fan when door opens.
- Eurotherm digital temperature controller with type K thermocouple and magnetic contactor.
- Controls operate on 115 volts mounted in front base on Series 42 models, and side mounted in a separate NEMA 1 panel on Series 4055 models.

42 MODEL SPECIFICATIONS

Model	Chamber Dimensions	Overall Dimensions	KW	Voltage	Weight (lbs)
42-A9	6"H X 6"W X 9"D	53"H X 19"W X 37"D	1.5	230/460/1	325
42-A12	6"H X 6"W X 12"D	53"H X 19"W X 40"D	2	230/460/1	350
42-B9	9"H X 9"W X 9"D	56"H X 22"W X 37"D	2.5	230/460/1	400
42-B12	9"H X 9"W X 12"D	56"H X 22"W X 36"D	3	230/460/1	425
42-B18	9"H X 9"W X 18"D	56"H X 22"W X 42"D	4	230/460/1	465
42-H12	9"H X 12"W X 12"D	56"H X 25"W X 42"D	3.5	230/460/1	495
42-H18	9"H X 12"W X 18"D	56"H X 25"W X 48"D	5	230/460/1	570
42-H24	9"H X 12"W X 24"D	56"H X 25"W X 48"D	6	230/460/1	645
42-K12	12"H X 12"W X 12"D	56"H X 25"W X 36"D	4.5	230/460/1	490
42-K18	12"H X 12"W X 18"D	56"H X 25"W X 48"D	6	230/460/1	620
42-K24	12"H X 12"W X 24"D	56"H X 25"W X 48"D	8.5	230/460/3	710
42-K36	12"H X 12"W X 36"D	56"H X 25"W X 60"D	11	230/460/3	860
42-M18	12"H X 18"W X 18"D	56"H X 32"W X 48"D	9	230/460/3	730
42-M24	12"H X 18"W X 24"D	56"H X 32"W X 48"D	11	230/460/3	750
42-M36	12"H X 18"W X 36"D	56"H X 32"W X 60"D	13	230/460/3	915
42-O18	18"H X 18"W X 18"D	62"H X 32"W X 48"D	12	230/460/3	735
42-O24	18"H X 18"W X 24"D	62"H X 32"W X 53"D	13	230/460/3	840
42-O36	18"H X 18"W X 36"D	62"H X 32"W X 65"D	16	230/460/3	1050
42-O48	18"H X 18"W X 48"D	62"H X 32"W X 72"D	18	230/460/3	1115
42-P24	18"H X 24"W X 24"D	62"H X 39"W X 53"D	14	230/460/3	1300
42-P36	18"H X 24"W X 36"D	62"H X 39"W X 65"D	17	230/460/3	1450
42-P48	18"H X 24"W X 48"D	62"H X 39"W X 77"D	20	230/460/3	1800
42-R24	24"H X 24"W X 24"D	62"H X 39"W X 53"D	15	230/460/3	1600
42-R36	24"H X 24"W X 36"D	62"H X 39"W X 65"D	20	230/460/3	1900
42-R48	24"H X 24"W X 48"D	62"H X 39"W X 77"D	28	230/460/3	2300
42-P24	18"H X 24"W X 24"D	62"H X 39"W X 53"D	14	230/460/3	1300
42-S36	24"H X 36"W X 36"D	62"H X 51"W X 53"D	35	230/460/3	2200
42-V36	36"H X 36"W X 36"D	68"H X 51"W X 65"D	42	230/460/3	3200
42-V48	36"H X 36"W X 48"D	68"H X 51"W X 77"D	46	230/460/3	3600
42-S48	24"H X 36"W X 48"D	62"H X 51"W X 65"D	42	230/460/3	2700

44 MODEL SPECIFICATIONS

Model	Chamber Dimensions	Overall Dimensions	KW	Voltage	Weight (lbs)
44-A9	6"H X 6"W X 9"D	53"H X 19"W X 37"D	1.5	230/460/1	325
44-A12	6"H X 6"W X 12"D	53"H X 19"W X 40"D	2	230/460/1	350
44-B9	9"H X 9"W X 9"D	56"H X 22"W X 37"D	2.5	230/460/1	400
44-B12	9"H X 9"W X 12"D	56"H X 22"W X 36"D	3	230/460/1	425
44-B18	9"H X 9"W X 18"D	56"H X 22"W X 42"D	4	230/460/1	465
44-H12	9"H X 12"W X 12"D	56"H X 25"W X 42"D	3.5	230/460/1	495
44-H18	9"H X 12"W X 18"D	56"H X 25"W X 48"D	5.5	230/460/1	570
44-H24	9"H X 12"W X 24"D	56"H X 25"W X 48"D	6.5	230/460/1	645
44-K12	12"H X 12"W X 12"D	56"H X 25"W X 36"D	5	230/460/1	490
44-K18	12"H X 12"W X 18"D	56"H X 25"W X 48"D	6.5	230/460/1	620
44-K24	12"H X 12"W X 24"D	56"H X 25"W X 48"D	8.5	230/460/3	710
44-K36	12"H X 12"W X 36"D	56"H X 25"W X 60"D	11	230/460/3	860
44-M18	12"H X 18"W X 18"D	56"H X 32"W X 48"D	9	230/460/3	730
44-M24	12"H X 18"W X 24"D	56"H X 32"W X 48"D	11	230/460/3	750
44-M36	12"H X 18"W X 36"D	56"H X 32"W X 60"D	14	230/460/3	915
44-O18	18"H X 18"W X 18"D	62"H X 32"W X 48"D	12	230/460/3	735
44-O24	18"H X 18"W X 24"D	62"H X 32"W X 53"D	14	230/460/3	840
44-O36	18"H X 18"W X 36"D	62"H X 32"W X 65"D	16	230/460/3	1050
44-O48	18"H X 18"W X 48"D	62"H X 32"W X 72"D	20	230/460/3	1115
44-P24	18"H X 24"W X 24"D	62"H X 39"W X 53"D	15	230/460/3	1300
44-P36	18"H X 24"W X 36"D	62"H X 39"W X 65"D	20	230/460/3	1450
44-P48	18"H X 24"W X 48"D	62"H X 39"W X 77"D	22	230/460/3	1800
44-R24	24"H X 24"W X 24"D	62"H X 39"W X 53"D	18	230/460/3	1600
44-R36	24"H X 24"W X 36"D	62"H X 39"W X 65"D	22	230/460/3	1900
44-R48	24"H X 24"W X 48"D	62"H X 39"W X 77"D	30	230/460/3	2300
44-S36	24"H X 36"W X 36"D	62"H X 51"W X 53"D	42	230/460/3	2200
44-S48	24"H X 36"W X 48"D	62"H X 51"W X 65"D	40	230/460/3	2700
44-V36	36"H X 36"W X 36"D	68"H X 51"W X 65"D	44	230/460/3	3200
44-V48	36"H X 36"W X 48"D	68"H X 51"W X 77"D	50	230/460/3	3600

46 MODEL SPECIFICATIONS

Model	Chamber Dimensions	Overall Dimensions	KW	Voltage	Weight (lbs)
46-A9	6"H X 6"W X 9"D	53"H X 19"W X 37"D	1.8	230/460/1	325
46-A12	6"H X 6"W X 12"D	53"H X 19"W X 40"D	2.5	230/460/1	350
46-B9	9"H X 9"W X 9"D	56"H X 22"W X 37"D	3	230/460/1	400
46-B12	9"H X 9"W X 12"D	56"H X 22"W X 36"D	3.5	230/460/1	425
46-B18	9"H X 9"W X 18"D	56"H X 22"W X 42"D	4.5	230/460/1	465
46-H12	9"H X 12"W X 12"D	56"H X 25"W X 42"D	4.5	230/460/1	495
46-H18	9"H X 12"W X 18"D	56"H X 25"W X 48"D	6	230/460/1	570
46-H24	9"H X 12"W X 24"D	56"H X 25"W X 48"D	7.5	230/460/1	645
46-K12	12"H X 12"W X 12"D	56"H X 25"W X 36"D	5.5	230/460/1	490
46-K18	12"H X 12"W X 18"D	56"H X 25"W X 48"D	7.5	230/460/1	620
46-K24	12"H X 12"W X 24"D	56"H X 25"W X 48"D	9.5	230/460/3	710
46-K36	12"H X 12"W X 36"D	56"H X 25"W X 60"D	13	230/460/3	860
46-M18	12"H X 18"W X 18"D	56"H X 32"W X 48"D	10	230/460/3	730
46-M24	12"H X 18"W X 24"D	56"H X 32"W X 48"D	13	230/460/3	750
46-M36	12"H X 18"W X 36"D	56"H X 32"W X 60"D	15	230/460/3	915
46-O18	18"H X 18"W X 18"D	62"H X 32"W X 48"D	14	230/460/3	735
46-O24	18"H X 18"W X 24"D	62"H X 32"W X 53"D	15	230/460/3	840
46-O36	18"H X 18"W X 36"D	62"H X 32"W X 65"D	18	230/460/3	1050
46-O48	18"H X 18"W X 48"D	62"H X 32"W X 72"D	22	230/460/3	1115
46-P24	18"H X 24"W X 24"D	62"H X 39"W X 53"D	16	230/460/3	1300
46-P36	18"H X 24"W X 36"D	62"H X 39"W X 65"D	22	230/460/3	1450
46-P48	18"H X 24"W X 48"D	62"H X 39"W X 77"D	28	230/460/3	1800
46-R24	24"H X 24"W X 24"D	62"H X 39"W X 53"D	20	230/460/3	1600
46-R36	24"H X 24"W X 36"D	62"H X 39"W X 65"D	26	230/460/3	1900
46-R48	24"H X 24"W X 48"D	62"H X 39"W X 77"D	34	230/460/3	2300
46-S36	24"H X 36"W X 36"D	62"H X 51"W X 53"D	45	230/460/3	2200
46-V36	36"H X 36"W X 36"D	68"H X 51"W X 65"D	47	230/460/3	3200
46-V48	36"H X 36"W X 48"D	68"H X 51"W X 77"D	54	230/460/3	3600
46-S48	24"H X 36"W X 48"D	62"H X 51"W X 65"D	42	230/460/3	2700

48 MODEL SPECIFICATIONS

Model	Chamber Dimensions	Overall Dimensions	KW	Voltage	Weight (lbs)
48-A12	6"H X 6"W X 12"D	53"H X 19"W X 40"D	1.5	230/460/1	350
48-A9	6"H X 6"W X 9"D	53"H X 19"W X 37"D	1	230/460/1	325
48-B12	9"H X 9"W X 12"D	56"H X 22"W X 36"D	2	230/460/1	425
48-B18	9"H X 9"W X 18"D	56"H X 22"W X 42"D	2.5	230/460/1	465
48-B9	9"H X 9"W X 9"D	56"H X 22"W X 37"D	2	230/460/1	400
48-H12	9"H X 12"W X 12"D	56"H X 25"W X 42"D	2.5	230/460/1	495
48-H18	9"H X 12"W X 18"D	56"H X 25"W X 48"D	4	230/460/1	570
48-H24	9"H X 12"W X 24"D	56"H X 25"W X 48"D	4.5	230/460/1	645
48-K12	12"H X 12"W X 12"D	56"H X 25"W X 36"D	3.5	230/460/1	490
48-K18	12"H X 12"W X 18"D	56"H X 25"W X 48"D	4.5	230/460/1	620
48-K24	12"H X 12"W X 24"D	56"H X 25"W X 48"D	6.5	230/460/3	710
48-K36	12"H X 12"W X 36"D	56"H X 25"W X 60"D	8	230/460/3	860
48-M18	12"H X 18"W X 18"D	56"H X 32"W X 48"D	7	230/460/3	730
48-M24	12"H X 18"W X 24"D	56"H X 32"W X 48"D	8	230/460/3	750
48-M36	12"H X 18"W X 36"D	56"H X 32"W X 60"D	10	230/460/3	915
48-O18	18"H X 18"W X 18"D	62"H X 32"W X 48"D	9	230/460/3	735
48-O24	18"H X 18"W X 24"D	62"H X 32"W X 53"D	10	230/460/3	840
48-O36	18"H X 18"W X 36"D	62"H X 32"W X 65"D	13	230/460/3	1050
48-O48	18"H X 18"W X 48"D	62"H X 32"W X 72"D	16	230/460/3	1115
48-P24	18"H X 24"W X 24"D	62"H X 39"W X 53"D	12	230/460/3	1300
48-P36	18"H X 24"W X 36"D	62"H X 39"W X 65"D	16	230/460/3	1450
48-P48	18"H X 24"W X 48"D	62"H X 39"W X 77"D	18	230/460/3	1800
48-R24	24"H X 24"W X 24"D	62"H X 39"W X 53"D	14	230/460/3	1600
48-R36	24"H X 24"W X 36"D	62"H X 39"W X 65"D	18	230/460/3	1900
48-R48	24"H X 24"W X 48"D	62"H X 39"W X 77"D	25	230/460/3	2300
48-S36	24"H X 36"W X 36"D	62"H X 51"W X 53"D	32	230/460/3	2200
48-S48	24"H X 36"W X 48"D	62"H X 51"W X 65"D	30	230/460/3	2700
48-V36	36"H X 36"W X 36"D	68"H X 51"W X 65"D	34	230/460/3	3200
48-V48	36"H X 36"W X 48"D	68"H X 51"W X 77"D	40	230/460/3	3600

49 MODEL SPECIFICATIONS

Model	Chamber Dimensions	Overall Dimensions	KW	Voltage	Weight (lbs)
49-A12	6"H X 6"W X 12"D	53"H X 19"W X 40"D	3	230/460/1	350
49-A9	6"H X 6"W X 9"D	53"H X 19"W X 37"D	2	230/460/1	325
49-B12	9"H X 9"W X 12"D	56"H X 22"W X 36"D	4.5	230/460/1	425
49-B18	9"H X 9"W X 18"D	56"H X 22"W X 42"D	6	230/460/1	465
49-B9	9"H X 9"W X 9"D	56"H X 22"W X 37"D	3.5	230/460/1	400
49-H12	9"H X 12"W X 12"D	56"H X 25"W X 42"D	5	230/460/1	495
49-H18	9"H X 12"W X 18"D	56"H X 25"W X 48"D	8	230/460/1	570
49-H24	9"H X 12"W X 24"D	56"H X 25"W X 48"D	9	230/460/1	645
49-K12	12"H X 12"W X 12"D	56"H X 25"W X 36"D	6	230/460/1	490
49-K18	12"H X 12"W X 18"D	56"H X 25"W X 48"D	9	230/460/1	620
49-K24	12"H X 12"W X 24"D	56"H X 25"W X 48"D	11	230/460/3	710
49-K36	12"H X 12"W X 36"D	56"H X 25"W X 60"D	14	230/460/3	860
49-M18	12"H X 18"W X 18"D	56"H X 32"W X 48"D	12	230/460/3	730
49-M24	12"H X 18"W X 24"D	56"H X 32"W X 48"D	14	230/460/3	750
49-M36	12"H X 18"W X 36"D	56"H X 32"W X 60"D	16	230/460/3	915
49-O18	18"H X 18"W X 18"D	62"H X 32"W X 48"D	15	230/460/3	735
49-O24	18"H X 18"W X 24"D	62"H X 32"W X 53"D	16	230/460/3	840
49-O36	18"H X 18"W X 36"D	62"H X 32"W X 65"D	22	230/460/3	1050
49-O48	18"H X 18"W X 48"D	62"H X 32"W X 72"D	24	230/460/3	1115
49-P24	18"H X 24"W X 24"D	62"H X 39"W X 53"D	18	230/460/3	1300
49-P36	18"H X 24"W X 36"D	62"H X 39"W X 65"D	26	230/460/3	1450
49-P48	18"H X 24"W X 48"D	62"H X 39"W X 77"D	30	230/460/3	1800
49-R24	24"H X 24"W X 24"D	62"H X 39"W X 53"D	24	230/460/3	1600
49-R36	24"H X 24"W X 36"D	62"H X 39"W X 65"D	30	230/460/3	1900
49-R48	24"H X 24"W X 48"D	62"H X 39"W X 77"D	37	230/460/3	2300
49-S36	24"H X 36"W X 36"D	62"H X 51"W X 53"D	48	230/460/3	2200
49-S48	24"H X 36"W X 48"D	62"H X 51"W X 65"D	46	230/460/3	2700
49-V36	36"H X 36"W X 36"D	68"H X 51"W X 65"D	50	230/460/3	3200
49-V48	36"H X 36"W X 48"D	68"H X 51"W X 77"D	56	230/460/3	3600