

4000 AM SERIES - ATMOSPHERE OVEN



SAFE, SIMPLE, & DEPENDABLE

Recirculating ovens for tempering, drawing, annealing and preheating steel, aluminum, glass and ceramics under inert atmosphere. Available at operating temperatures of 1200°F(42), 1400°F(44), 1600°F(46) and 1800°F(49). The GT models are designed with a continuously welded furnace shell, gasketed door assembly and atmosphere inlet and outlet ports for operation with a positive flow of higher atmosphere rates. These models are best suited for constant operation to maintain a dry refractory environment in the work area to minimize oxidation on workloads. The GT system is a less expensive alternative compared to our atmosphere furnaces equipped with alloy muffles (AM 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 separate side mounted control panel.

All models are completely wired to N.E.C., assembled, test fired and shipped ready for connection to main power and regulated atmosphere pressure of 5 PSI. Compact design, fast installation, and simple, safe, dependable operation. Available in over thirty standard models sizes.



Model 46GT-P24

STANDARD FEATURES

- Continuously 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.
- Elements mounted in easy-to-replace holders located on side walls for uniform temperature.
- Stainless steel fan with atmosphere seal, motor and belt drive.
- Stainless steel liner which forms work area and directs air flow.
- Hearth plate for load support and floor brick protection on Series 4055 models.
- Double-pivot horizontal swing door with high temperature ceramic fiber gasket, swing bolts and handles for tight seal.

42 MODEL SPECIFICATIONS

Model	Chamber Dimensions	Overall Dimensions	KW	Voltage	Weight (lbs)
42AM-B12	9"H X 9"W X 12"D	56"H X 33"W X 48"D	3.5	230/460/1	375
42AM-B18	9"H X 9"W X 18"D	56"H X 33"W X 54"D	4.5	230/460/1	485
42AM-H12	9"H X 12"W X 12"D	56"H X 36"W X 48"D	4	230/460/1	520
42AM-H18	9"H X 12"W X 18"D	56"H X 36"W X 54"D	5.5	230/460/1	590
42AM-H24	9"H X 12"W X 24"D	56"H X 36"W X 65"D	6.5	230/460/3	665
42AM-K12	12"H X 12"W X 12"D	56"H X 36"W X 48"D	5	230/460/3	620
42AM-K18	12"H X 12"W X 18"D	56"H X 36"W X 54"D	6.5	230/460/3	650
42AM-K24	12"H X 12"W X 24"D	56"H X 36"W X 65"D	8.5	230/460/3	740
42AM-K36	12"H X 12"W X 36"D	56"H X 36"W X 77"D	12	230/460/3	890
42AM-M18	12"H X 18"W X 18"D	56"H X 42"W X 54"D	10	230/460/3	700
42AM-M24	12"H X 18"W X 24"D	56"H X 42"W X 65"D	12	230/460/3	790
42AM-M36	12"H X 18"W X 36"D	56"H X 42"W X 77"D	14	230/460/3	955
42AM-O18	18"H X 18"W X 18"D	68"H X 43"W X 59"D	13	230/460/3	930
42AM-O24	18"H X 18"W X 24"D	68"H X 43"W X 65"D	15	230/460/3	1035
42AM-O36	18"H X 18"W X 36"D	68"H X 43"W X 77"D	18	230/460/3	1230
42AM-P24	18"H X 24"W X 24"D	68"H X 49"W X 65"D	16	230/460/3	1495
42AM-P36	18"H X 24"W X 36"D	68"H X 49"W X 77"D	21	230/460/3	1690
42AM-P48	18"H X 24"W X 48"D	68"H X 49"W X 89"D	24	230/460/3	1885
42AM-R24	24"H X 24"W X 24"D	68"H X 49"W X 65"D	20	230/460/3	1925
42AM-R36	24"H X 24"W X 36"D	68"H X 49"W X 77"D	24	230/460/3	2175
42AM-R48	24"H X 24"W X 48"D	68"H X 49"W X 89"D	32	230/460/3	2450
42AM-S36	24"H X 36"W X 36"D	68"H X 61"W X 77"D	34	230/460/3	2475
42AM-S48	24"H X 36"W X 48"D	68"H X 61"W X 89"D	40	230/460/3	2750

44 MODEL SPECIFICATIONS

Model	Chamber Dimensions	Overall Dimensions	KW	Voltage	Weight (lbs)
44AM-B12	9"H X 9"W X 12"D	56"H X 33"W X 48"D	3.5	230/460/1	375
44AM-B18	9"H X 9"W X 18"D	56"H X 33"W X 54"D	4.5	230/460/1	485
44AM-H12	9"H X 12"W X 12"D	56"H X 36"W X 48"D	4	230/460/1	520
44AM-H18	9"H X 12"W X 18"D	56"H X 36"W X 54"D	6	230/460/1	590
44AM-H24	9"H X 12"W X 24"D	56"H X 36"W X 65"D	7.5	230/460/3	665
44AM-K12	12"H X 12"W X 12"D	56"H X 36"W X 48"D	6	230/460/3	620
44AM-K18	12"H X 12"W X 18"D	56"H X 36"W X 54"D	7.5	230/460/3	650
44AM-K24	12"H X 12"W X 24"D	56"H X 36"W X 65"D	9.5	230/460/3	740
44AM-K36	12"H X 12"W X 36"D	56"H X 36"W X 77"D	13	230/460/3	890
44AM-M18	12"H X 18"W X 18"D	56"H X 42"W X 54"D	10.5	230/460/3	700
44AM-M24	12"H X 18"W X 24"D	56"H X 42"W X 65"D	13	230/460/3	790
44AM-M36	12"H X 18"W X 36"D	56"H X 42"W X 77"D	15	230/460/3	955
44AM-O18	18"H X 18"W X 18"D	68"H X 43"W X 59"D	14	230/460/3	930
44AM-O24	18"H X 18"W X 24"D	68"H X 43"W X 65"D	16	230/460/3	1035
44AM-O36	18"H X 18"W X 36"D	68"H X 43"W X 77"D	20	230/460/3	1230
44AM-P24	18"H X 24"W X 24"D	68"H X 49"W X 65"D	17	230/460/3	1495
44AM-P36	18"H X 24"W X 36"D	68"H X 49"W X 77"D	23	230/460/3	1690
44AM-P48	18"H X 24"W X 48"D	68"H X 49"W X 89"D	26	230/460/3	1885
44AM-R24	24"H X 24"W X 24"D	68"H X 49"W X 65"D	22	230/460/3	1925
44AM-R36	24"H X 24"W X 36"D	68"H X 49"W X 77"D	26	230/460/3	2175
44AM-R48	24"H X 24"W X 48"D	68"H X 49"W X 89"D	34	230/460/3	2450
44AM-S36	24"H X 36"W X 36"D	68"H X 61"W X 77"D		230/460/3	2475
44AM-S48	24"H X 36"W X 48"D	68"H X 61"W X 89"D	44	230/460/3	2750

46 MODEL SPECIFICATIONS

Model	Chamber Dimensions	Overall Dimensions	KW	Voltage	Weight (lbs)
46AM-B12	9"H X 9"W X 12"D	56"H X 33"W X 48"D	5	230/460/1	375
46AM-B18	9"H X 9"W X 18"D	56"H X 33"W X 54"D	6	230/460/1	485
46AM-H12	9"H X 12"W X 12"D	56"H X 36"W X 48"D	5	230/460/1	520
46AM-H18	9"H X 12"W X 18"D	56"H X 36"W X 54"D	8	230/460/1	590
46AM-H24	9"H X 12"W X 24"D	56"H X 36"W X 65"D	9	230/460/3	665
46AM-K12	12"H X 12"W X 12"D	56"H X 36"W X 48"D	6.5	230/460/3	620
46AM-K18	12"H X 12"W X 18"D	56"H X 36"W X 54"D	9	230/460/3	650
46AM-K24	12"H X 12"W X 24"D	56"H X 36"W X 65"D	11	230/460/3	740
46AM-K36	12"H X 12"W X 36"D	56"H X 36"W X 77"D	14	230/460/3	890
46AM-M18	12"H X 18"W X 18"D	56"H X 42"W X 54"D	12	230/460/3	700
46AM-M24	12"H X 18"W X 24"D	56"H X 42"W X 65"D	14	230/460/3	790
46AM-M36	12"H X 18"W X 36"D	56"H X 42"W X 77"D	16	230/460/3	955
46AM-O18	18"H X 18"W X 18"D	68"H X 43"W X 59"D	15	230/460/3	930
46AM-O24	18"H X 18"W X 24"D	68"H X 43"W X 65"D	17	230/460/3	1035
46AM-O36	18"H X 18"W X 36"D	68"H X 43"W X 77"D	22	230/460/3	1230
46AM-P24	18"H X 24"W X 24"D	68"H X 49"W X 65"D	20	230/460/3	1495
46AM-P36	18"H X 24"W X 36"D	68"H X 49"W X 77"D	26	230/460/3	1690
46AM-P48	18"H X 24"W X 48"D	68"H X 49"W X 89"D	30	230/460/3	1885
46AM-R24	24"H X 24"W X 24"D	68"H X 49"W X 65"D	24	230/460/3	1925
46AM-R36	24"H X 24"W X 36"D	68"H X 49"W X 77"D	30	230/460/3	2175
46AM-R48	24"H X 24"W X 48"D	68"H X 49"W X 89"D	40	230/460/3	2450
46AM-S36	24"H X 36"W X 36"D	68"H X 61"W X 77"D		230/460/3	2475
46AM-S48	24"H X 36"W X 48"D	68"H X 61"W X 89"D	46	230/460/3	2750

49 MODEL SPECIFICATIONS

Model	Chamber Dimensions	Overall Dimensions	KW	Voltage	Weight (lbs)
49AM-018	18"H X 18"W X 18"D	68"H X 43"W X 59"D	18	230/460/3	930
49AM-024	18"H X 18"W X 24"D	68"H X 43"W X 65"D	21	230/460/3	1035
49AM-036	18"H X 18"W X 36"D	68"H X 43"W X 77"D	26	230/460/3	1230
49AM-P24	18"H X 24"W X 24"D	68"H X 49"W X 65"D	23	230/460/3	1495
49AM-P36	18"H X 24"W X 36"D	68"H X 49"W X 77"D	32	230/460/3	1690
49AM-P48	18"H X 24"W X 48"D	68"H X 49"W X 89"D	36	230/460/3	1885
49AM-R24	24"H X 24"W X 24"D	68"H X 49"W X 65"D	30	230/460/3	1925
49AM-R36	24"H X 24"W X 36"D	68"H X 49"W X 77"D	36	230/460/3	2175
49AM-R48	24"H X 24"W X 48"D	68"H X 49"W X 89"D	42	230/460/3	2450
49AM-S36	24"H X 36"W X 36"D	68"H X 61"W X 77"D		230/460/3	2475
49AM-S48	24"H X 36"W X 48"D	68"H X 61"W X 89"D	50	230/460/3	2750