

BOILER RATINGS	CM300	CM399	CM500	C750	C900	C1050	C1500	C2000	C2500	C3000	C4000
EFFICIENCY	93.0%	93.1%	91.2%	93.9%	93.9%	93.9%	94.3%	95.1%	94.4%	91.1%	94.1%
MAX BTU/HR INPUT	300,000	399,000	500,000	750,000	900,000	1,050,000	1,500,000	2,000,000	2,500,000	3,000,000	4,000,000
MAX KW INPUT	88	116.9	146.5	219.8	263.8	307.7	439.6	586.1	732.7	879.2	1172.3
MAX BTU/HR OUTPUT	279,000	371,469	456,000	704,250	845,100	985,950	1,414,500	1,902,000	2,360,000	2,733,000	3,764,000
MAX KW OUTPUT	82	108.9	133.6	206.4	247.7	289.0	414.5	557.4	691.6	801.0	1103.1
MIN FLOW @ IGNITION (GPM)	16.0	16.5	16.1	39.3	40.9	44.7	69.4	62.4	145.3	128.6	150.9
MIN FLOW @ IGNITION (L/SEC)	1.0	1.0	1.0	2.5	2.6	2.8	4.4	4.0	9.2	8.1	9.6
MIN BTU/HR INPUT	60,000	79,800	100,000	150,000 / 75,000	180,000 / 90,000	210,000 / 105,000	300,000 / 150,000	400,500 / 200,250	500,000	600,000	800,000
MIN KW INPUT	17.6	23.4	29.3	44.0 / 22.0	52.8 / 26.4	61.5 / 30.8	87.9 / 43.9	117.2 / 58.6	146.5	175.8	234.5
MIN BTU/HR OUTPUT	55,800	74,294	91,200	140,850 / 70,425	169,020 / 84,510	197,190 / 98,595	282,900 / 141,450	380,400 / 190,200	472,000	546,600	752,800
MIN KW OUTPUT	16.4	21.8	26.7	41.3 / 20.6	49.5 / 24.8	57.8 / 28.9	82.9 / 41.4	111.5 / 55.7	138.3	160.2	220.6
INDOOR/OUTDOOR	INDOOR	INDOOR	INDOOR	INDOOR / OUTDOOR	INDOOR / OUTDOOR	INDOOR / OUTDOOR	INDOOR / OUTDOOR	INDOOR	INDOOR	INDOOR	INDOOR
TURNDOWN	5:1	5:1	5:1	5:1/10:1*	5:1/10:1*	5:1/10:1*	5:1/10:1*	5:1/10:1*	5:1	5:1	5:1
FUEL- NG = NATURAL GAS, LP = PROPANE, DF = DUAL FUEL	NG LP	NG LP	NG LP	NG LP DF	NG LP DF	NG LP DF	NG LP DF	NG LP DF	NG LP DF	NG LP DF	NG LP DF
DEPTH (IN / MM)	21.75 / 552	21.75/552	21.75/552	42.625 / 1083	42.625 / 1083	42.625 / 1083	66.25 / 1756	72.5 / 1920	58.325 / 1483	58.325 / 1483	62.5 / 1587.5
WIDTH (IN / MM)	36.5 / 927	36.5 / 927	36.5 / 927	28.125 / 713	28.125 / 713	28.125 / 713	30.25 / 769	30.25 / 769	31.75 / 806	31.75 / 806	31.75 / 806
HEIGHT (IN / MM)	34 / 862	34 / 862	34 / 862	54.625 / 1387	54.625 / 1387	54.625 / 1387	56 / 1423	56 / 1423	78.75 / 2000	78.75 / 2000	78.75 / 2000
BOILER HP	8.3	11.0	13.7	21.0	25.0	30.0	43.0	57.0	72.0	85.0	114.0
MAX INLET GAS PRESSURE NG/LP (INCHES / WC)	14 / 14	14 / 14	14 / 14	14 / 14	14 / 14	14 / 14	14 / 14	14 / 14	14 / 14	14 / 14	14 / 14
MIN INLET GAS PRESSURE NG/LP (INCHES / WC)	3.5 / 7	3.5 / 7	6-or-3.5 / 7	3.5 / 7	3.5 / 7	3.5 / 7	3.5 / 7	3.5 / 7	3.5 / 7	4.5 / 7	3.5 / 7
SHIPPING WEIGHT (LBS / KILOS)	420 / 191	445 / 202	445 / 202	735 / 333	790 / 358	820 / 372	1330 / 603	1630 / 740	1550 / 703	1600 / 726	2100 / 953
ELECTRICAL REQUIREMENTS	120V 1ph 60hz <8 amps	120V 1ph 60hz <8 amps	120V 1ph 60hz <8 amps	120V 1ph 60hz <5 amps	120V 1ph 60hz <5 amps	120V 1ph 60hz <5 amps	120V 1ph 60hz <15 amps	120V 1ph 60hz <15 amps	120V 1ph 60hz <17 amps	204/240V 3ph 60hz 480V 3ph 60hz <20 amps	204/240V 3ph 60hz 480V 3ph 60hz <20 amps
OPERATING WEIGHT (LBS / KILOS)	290 / 132	313 / 142	313 / 142	695 / 315	735 / 222	780 / 254	1200*/ 612 *add 100 lbs for DF models	1600 / 726	1550 / 703	1600 / 726	1900 / 862
FLOW RATE 20°F ΔT GPM (L/SEC)	28 / 1.8	37 / 2.3	46 / 2.9	70 / 4.4	85 / 5.4	99 / 6.3	141 / 8.9	190 / 12.0	236 / 14.9	273 / 17.3	376 / 23.8
AL29-4C	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
316L SS	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PVC	-	-	-	-	-	-	-	-	-	-	-
CPVC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
POLYPROPYLENE ^{NEW}	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-
CAT II	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
CAT IV	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

*P-K MACH® Models C750, C900, C1050, C1500, and C2000 with 10:1 mechanical turndown are only available for Indoor Natural Gas (NG) applications.

THE PATTERSON-KELLEY EXPERIENCE

Patterson-Kelley, a division of the SPX Corporation, is the leading provider and producer of commercial hot water heating solutions. With over 135 years of experience and an innovative R&D pipeline, we provide a full line of condensing and non-condensing boilers, semi-instantaneous water heaters, and an array of commercial boiler and water heating products including gas fired, dual fuel and outdoor boilers.

Because we are continuously evolving our products, descriptions and technical data are subject to change without notice. Contact your local Patterson-Kelley representative for the most up-to-date information and product application support.

Patterson-Kelley, LLC

155 Burson Street
East Stroudsburg, PA 18301
www.pattersonkelley.com

Phone: 570.476.7261
Toll Free: 877.728.5351
Fax: 570.476.7247