

## P-K MACH® HIGH EFFICIENCY, COMMERCIAL BOILERS









# Harsco Industrial Patterson-Kelley delivers premium quality boilers that consistently produce the ROI customers demand.

#### The Harsco Industrial Patterson-Kelley difference.

Access to best-in-class technology, the strength of our people, and the reliability of our products are reasons alone to partner with Harsco Industrial Patterson-Kelley. But ultimately, customers rely on us for our commitment to provide the **right** solution with the lowest total cost of ownership in the industry.

#### **Our Approach**

- > Customized solutions through in-depth discovery; focused on customer needs
- > Deployed through experienced Harsco Industrial Patterson-Kelley employees and our authorized resellers

We use a consultative approach. First, we understand your needs, then apply and integrate the boiler solution to best address the heating demand. We ensure that our customers consistently receive the highest level of technical and application support by utilizing over 135 years of experience. Our dedicated employees and factory trained service technicians are always available to deploy these solutions.

#### **ROI from the start.**

Saving you money in more ways than one.

The **P-K MACH** is an ideal choice for a wide variety of commercial and industrial building applications, including new construction as well as retrofit projects. It offers unmatched fuel savings with up to a 95% efficiency rating. It's *"fit through the door"* design eliminates any up-front construction costs. While, the NURO<sup>™</sup> touch-screen control system allows for a quicker money-saving installation process, and no future hardware purchases for upgrades. That's what we call the P-K PAYBACK.

P-K MACH<sup>®</sup> condensing boilers feature fully independent cast aluminum heat exchangers. Aluminum is easier to cast than other metals. The result is increased heat transfer surface for higher efficiency. The aluminum heat engine easily sheds condensate thanks to an aluminum oxide barrier that forms during use for extreme corrosion resistance.

### A world of savings.

AHRI Certified up to

**95%** 

efficiency

Save money by choosing a high efficiency condensing boiler over an 85% efficient non-condensing boiler. Save even more when you replace outdated equipment operating at only 75% efficiency with P-K MACH<sup>®</sup> condensing boilers.

	UPGRADE FROM A 85% EFFICIENT SYSTEM TO A 95% EFFICIENT PK MACH	UPGRADE FROM A 75% EFFICIENT SYSTEM TO A 95% EFFICIENT PK MACH
CITY	FUEL SAVINGS	FUEL SAVINGS
Atlanta, GA	\$2,870	\$6,510
Boston, MA	\$5,225	\$11,915
Chicago, IL	\$4,250	\$9,635
Dallas, TX	\$2,410	\$5,460
Boulder, CO	\$4,180	\$9,475
Detroit, MI	\$4,650	\$10,540
Los Angeles, CA	\$2,155	\$4,885
Miami, FL	\$1,120	\$2,535
Minneapolis, MN	\$4,485	\$10,165
New York, NY	\$3,985	\$9,030
Philadelphia, PA	\$4,680	\$10,610
Phoenix, AZ	\$1,130	\$2,570
San Francisco, CA	\$4,805	\$10,890
Seattle, WA	\$5,860	\$13,280
Washington, DC	\$3,985	\$9,035

Source: BIN Data from InterEnergy Software / Gas Technology Institute

Note: Fuel savings calculated based on natural gas at \$1/therm



- LOW MAINTENANCE ALUMINUM
- MULTIPLE VENTING SOLUTIONS
- EVEN HEAT DISTRIBUTION
- CONSISTENT TEMPERATURE
- INDEPENDENT SECTIONS
- INDEPENDENT SECTIONS
- TURBULENT FLOW heat transfer surface increases the farther the water moves away from the burner.



### Sized to get in and fit in.

Installation time and construction costs are reduced.

There's no rigging required to put your P-K MACH<sup>®</sup> condensing boiler in any room of your building, whether it's the basement or the penthouse. All P-K MACH<sup>®</sup> condensing boilers fit through a standard 36 inch doorway or a standard elevator.

Our largest models (1,500,000 BTU/hr and larger) are equipped with wheels which means they can be moved by two people without a forklift. The narrow design of all P-K MACH<sup>®</sup> condensing boilers allows them to navigate corners and hallways with ease.

P-K MACH<sup>®</sup> condensing boilers are perfect for new installation and retrofit projects, requiring only 4 hook ups – gas, water, electric and venting.



## Maximize efficiency with NURO<sup>™</sup> touch-screen control system.

Get long-term ROI with this simple to set-up, and easy-to-maintain boiler control system.

The NURO<sup>™</sup> touch-screen control system provides the most intuitive interface in the industry. Designed to maximize efficiency, NURO<sup>™</sup> monitors and modulates the combustion and ignition of the boiler to maintain the desired outlet temperature. The lead/lag setup and boiler start rotation ensures run times are equally distributed across each unit in the system, extending the life of the boilers.

**EASY TO USE:** Touch-screen interface provides simple step-by-step navigation for set-up, maintenance, custom configurations, efficiency, help and more.

**EASY TO SET-UP:** Whether installing a single boiler or cascading, with a simple touch, select from a variety of pre-configured settings for optimal system efficiency.

**EASY TO MAINTAIN:** Software upgrades provide long-term upgradability, which eliminates hardware replacement and costly service calls.

The NURO control easily interfaces with building management systems (BMS) via the integrated MODBUS<sup>®</sup> RS-485 protocol or a 0-10 vdc analog control signal. BACnet, LONWORKS<sup>®</sup>, and METASYS<sup>®</sup> N2 are also available by adding a protocol converter for even greater application flexibility.

MODBUS® is a registered trademark of Schneider Automation Inc. LONWORKS® is a registered trademark of Echelon Corporation. METASYS® is a registered trademark of Johnson Controls, Inc.

#### Set yourself up for even more savings.

Reduce needed components with a primary only pump capability.

**Primary only pump system** – Streamline installation by eliminating multiple boiler circulation pumps. This reduces peripheral equipment costs, pipe fittings, motor starter disconnects, etc. Secondary pumps are replaced by control valves. If all boilers in the system are not required for the current load, the control valves will close off the idle boilers ensuring equal flow through the remaining boilers.

Arranging P-K MACH<sup>®</sup> condensing boilers in a primary only configuration allows a single pump to be used with VFD (variable frequency drive) to reduce the flow rate. This reduces the operating cost of the primary pump significantly by reducing the electrical consumption, increasing your energy savings.







BOILER RATINGS	CM300	CM399	CM500	C750	C900	C1050	C1500	C2000	C2500	C3000	C4000
EFFICIENCY	93.5%	93%	92%	94%	94%	94%	94%	95%	94%	92%	94%
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	117	147	220	264	308	440	586	733	879	1,172
MAX BTU/HR OUTPUT	279,000	367,000	460,000	712,500	846,000	987,000	1,440,000	1,920,000	2,375,000	2,850,000	3,800,000
MAX KW OUTPUT	82	108	135	209	248	289	422	563	696	835	1,114
MIN FLOW @ IGNITION(GPM)	7	9	11.5	27	32	37	50	66	84	100	123
MIN FLOW @ IGNITION(LITRES/SEC)	.4	.6	.7	2	2	2	3	4	5	6	8
MINBTU/HR INPUT	60,000	79,800	100,000	150,000	180,000	210,000	300,000	400,000	500,000	600,000	800,000
MIN KW INPUT	18	23	29	44	53	62	88	117	147	176	234
MIN BTU/HR OUTPUT	55,800	73,400	52,000	142,500	169,200	197,400	288,000	384,000	475,000	570,000	760,000
MIN KWOUTPUT	16	22	27	42	50	58	84	113	139	167	223
OUTDOOR	-	-	-	│ <del>⇔</del> *	🔶 *	👄 *	📔 🌞 *	-	-	-	-
NURO TOUCH-SCREEN CONTROL SYSTEM	JULY 2015	JULY 2015	JULY 2015	JUNE 2015	JUNE 2015	JUNE 2015	1	1	1	1	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+
NOX	-	-	-	<10 ppm	<10 ppm	<10 ppm	<15 ppm	<15 ppm	<10 ppm	<10 ppm	<10 ppm
DIMENSIONS	CM300	CM399	CM500	C750	C900	C1050	C1500	C2000	C2500	C3000	C4000
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
DEPTH (IN / MM) WIDTH (IN / MM)	21.75 / 552 36.5 / 927	21.75 / 552 36.5 / 927	21.75 / 552 36.5 / 927	42.625 / 1083 28.125 / 713	42.625 / 1083 28.125 / 713	42.625 / 1083 28.125 / 713	66.25 / 1756 30.25 / 769	72.5 / 1920 30.25 / 769	58.325 / 1483 31.75 / 806	58.325 / 1483 31.75 / 806	62.5 / 1587.5 31.75 / 806
DEPTH (IN / MM)   WIDTH (IN / MM)   HEIGHT (IN / MM)	21.75 / 552 36.5 / 927 34 / 862	21.75 / 552 36.5 / 927 34 / 862	21.75 / 552 36.5 / 927 34 / 862	42.625 / 1083 28.125 / 713 54.625 / 1387	42.625 / 1083 28.125 / 713 54.625 / 1387	42.625 / 1083 28.125 / 713 54.625 / 1387	66.25 / 1756 30.25 / 769 56 / 1423	72.5 / 1920 30.25 / 769 56 / 1423	58.325 / 1483 31.75 / 806 78.75 / 2000	58.325 / 1483 31.75 / 806 78.75 / 2000	62.5 / 1587.5 31.75 / 806 78.75 / 2000
DEPTH (IN / MM) WIDTH (IN / MM) HEIGHT (IN / MM) OPERATING PARAMETERS	21.75 / 552 36.5 / 927 34 / 862	21.75 / 552 36.5 / 927 34 / 862 CM399	21.75 / 552 36.5 / 927 34 / 862 CM500	42.625 / 1083 28.125 / 713 54.625 / 1387 <b>C750</b>	42.625 / 1083 28.125 / 713 54.625 / 1387	42.625 / 1083 28.125 / 713 54.625 / 1387	66.25 / 1756 30.25 / 769 56 / 1423 C1500	72.5 / 1920 30.25 / 769 56 / 1423 C2000	58.325 / 1483 31.75 / 806 78.75 / 2000	58.325 / 1483 31.75 / 806 78.75 / 2000	62.5 / 15875 31.75 / 806 78.75 / 2000
DEPTH (IN / MM) WIDTH (IN / MM) HEIGHT (IN / MM) OPERATING PARAMETERS BOILER HP	21.75 / 552 36.5 / 927 34 / 862 CM300 8.3	21.75 / 552 36.5 / 927 34 / 862 <b>CM399</b> 11	21.75 / 552 36.5 / 927 34 / 862 CM500 13.7	42.625 / 1083 28.125 / 713 54.625 / 1387 <b>C750</b> 21	42.625 / 1083 28.125 / 713 54.625 / 1387 <b>C900</b> 25	42.625 / 1083 28.125 / 713 54.625 / 1387 <b>C1050</b> 30	66.25 / 1756 30.25 / 769 56 / 1423 <b>C1500</b> 43	72.5 / 1920 30.25 / 769 56 / 1423 <b>C2000</b> 57	58.325 / 1483 31.75 / 806 78.75 / 2000 <b>C2500</b> 72	58.325 / 1483 31.75 / 806 78.75 / 2000 <b>C3000</b> 85	62.5 / 1587.5 31.75 / 806 78.75 / 2000 <b>C4000</b> 114
DEPTH (IN / MM) WIDTH (IN / MM) HEIGHT (IN / MM) OPERATING PARAMETERS BOILER HP MAX INLET GAS PRESSURE (INCHES WC)	21.75 / 552 36.5 / 927 34 / 862 <b>CM300</b> 8.3 14	21.75 / 552 36.5 / 927 34 / 862 <b>CM399</b> 11 14	21.75 / 552 36.5 / 927 34 / 862 CM500 13.7 14	42.625 / 1083 28.125 / 713 54.625 / 1387 <b>C750</b> 21 14	42.625 / 1083 28.125 / 713 54.625 / 1387 <b>C900</b> 25 14	42.625 / 1083 28.125 / 713 54.625 / 1387 <b>C1050</b> 30 14	66.25 / 1756 30.25 / 769 56 / 1423 <b>C1500</b> 43 14	72.5 / 1920 30.25 / 769 56 / 1423 <b>C2000</b> 57 14	58.325 / 1483 31.75 / 806 78.75 / 2000 <b>C2500</b> 72 14	58.325 / 1483 31.75 / 806 78.75 / 2000 <b>C3000</b> 85 14	62.5 / 15875 31.75 / 806 78.75 / 2000 <b>C4000</b> 114 14
DEPTH (IN / MM) WIDTH (IN / MM) HEIGHT (IN / MM) OPERATING PARAMETERS BOILER HP MAX INLET GAS PRESSURE (INCHES WC)	21.75 / 552 36.5 / 927 34 / 862 CM300 8.3 14 3.5	21.75 / 552 36.5 / 927 34 / 862 <b>CM399</b> 11 14 3.5	21.75 / 552 36.5 / 927 34 / 862 <b>CM500</b> 13.7 14 6 (3.5 option)	42.625 / 1083 28.125 / 713 54.625 / 1387 <b>C750</b> 21 14 3.5	42.625 / 1083 28.125 / 713 54.625 / 1387 <b>C900</b> 25 14 3.5	42.625 / 1083 28.125 / 713 54.625 / 1387 <b>C1050</b> 30 14 3.5	66.25 / 1756 30.25 / 769 56 / 1423 <b>C1500</b> 43 14 3	72.5 / 1920 30.25 / 769 56 / 1423 <b>C2000</b> 57 14 3	58.325 / 1483 31.75 / 806 78.75 / 2000 72 14 4	58.325 / 1483 31.75 / 806 78.75 / 2000 <b>C3000</b> 85 14 4.5	62.5/158/5 31.75/806 78.75/2000 <b>C4000</b> 114 14 4.5
DEPTH (IN / MM) WIDTH (IN / MM) HEIGHT (IN / MM) OPERATING PARAMETERS BOILER HP MAX INLET GAS PRESSURE (INCHES WC) ELECTRIAL REQUIREMENTS	21.75 / 552 36.5 / 927 34 / 862 CM300 8.3 14 3.5 120V 1ph, 60hz, <8amps	21.75 / 552 36.5 / 927 34 / 862 <b>CM399</b> 11 14 3.5 120V 1ph, 60hz, <8amps	21.75 / 552 36.5 / 927 34 / 862 <b>CM500</b> 13.7 14 6 (3.5 option) 120V 1ph, 60hz, <8amps	42.625 / 1083 28.125 / 713 54.625 / 1387 <b>C750</b> 21 14 3.5 120V 1ph,60hz, <5 amps	42.625 / 1083 28.125 / 713 54.625 / 1387 <b>C900</b> 25 14 3.5 120V 1ph,60hz, <5 amps	42.625 / 1083 28.125 / 713 54.625 / 1387 <b>C1050</b> 30 14 3.5 120V 1ph,60hz, <5 amps	66.25 / 1756 30.25 / 769 56 / 1423 <b>C1500</b> 43 14 3 3 120V 1ph,60hz, <15 amps	72.5 / 1920 30.25 / 769 56 / 1423 <b>C2000</b> 57 14 3 3 120V 1ph,60hz, <15 amps	58.325 / 1483 31.75 / 806 78.75 / 2000 72 14 4 120V 1ph,60hz, <17 amps	58.325 / 1483 31.75 / 806 78.75 / 2000 85 14 4.5 204/240V 3ph 60hz 480 3ph 60hz <20 amps	62.5715875 31.757806 78.7572000 <b>C4000</b> 114 14 4.5 204/240V 3ph 60hz 480 3 ph 60hz <20 amps
DEPTH (IN / MM) WIDTH (IN / MM) HEIGHT (IN / MM) OPERATING PARAMETERS BOILER HP MAX INLET GAS PRESSURE (INCHES WC) MIN INLET GAS PRESSURE (INCHES WC) ELECTRIAL REQUIREMENTS OPERATING WEIGHT (LBS / KILOS)	21.75 / 552 36.5 / 927 34 / 862 <b>CM300</b> 8.3 14 3.5 120V 1ph, 60hz, <8amps 290 / 132	21.75 / 552 36.5 / 927 34 / 862 <b>CM399</b> 11 14 3.5 120V 1ph, 60hz, <8amps 313 / 142	21.75 / 552 36.5 / 927 34 / 862 <b>CM500</b> 13.7 14 6 (3.5 option) 120V 1ph, 60hz, <8amps 313 / 142	42.625 / 1083 28.125 / 713 54.625 / 1387 <b>C750</b> 21 14 3.5 120V 1ph,60hz, <5 amps 695/315	42.625 / 1083 28.125 / 713 54.625 / 1387 25 14 3.5 120V 1ph,60hz, <5 amps 735/222	42.625 / 1083 28.125 / 713 54.625 / 1387 <b>C1050</b> 30 14 3.5 120V 1ph,60hz, <5 amps 780/254	66.25 / 1756 30.25 / 769 56 / 1423 <b>C1500</b> 43 14 3 120V 1ph,60hz, <15 amps 1350/612	72.5 / 1920 30.25 / 769 56 / 1423 <b>C2000</b> 57 14 3 3 120V 1ph,60hz, <15 amps 1600/726	58.325 / 1483 31.75 / 806 78.75 / 2000 72 14 4 120V 1ph,60hz, <17 amps 1550/703	58.325 / 1483 31.75 / 806 78.75 / 2000 85 14 4.5 204/240V 3ph 60hz 480 3ph 60hz <20 amps 1600/726	62.5718875 31.757806 78.7572000 <b>C4000</b> 114 4.5 204/240V 3ph 60hz 480 3 ph 60hz 420 amps 1900/862
DEPTH (IN / MM) WIDTH (IN / MM) HEIGHT (IN / MM) OPERATING PARAMETERS BOILER HP MAX INLET GAS PRESSURE (INCHES WC) MIN INLET GAS PRESSURE (INCHES WC) ELECTRIAL REQUIREMENTS OPERATING WEIGHT (LBS / KILOS) MAXIMUM PRESSURE (PSIG / PA)	21.75 / 552 36.5 / 927 34 / 862 <b>CM300</b> 8.3 14 3.5 120V 1ph, 60hz, <8amps 290 / 132 80 / 5.62	21.75 / 552 36.5 / 927 34 / 862 CM399 11 14 3.5 120V 1ph, 60hz, <8amps 313 / 142 80 / 5.62	21.75 / 552 36.5 / 927 34 / 862 <b>CM500</b> 13.7 14 6 (3.5 option) 120V 1ph, 60hz, <8amps 313 / 142 80 / 5.62	42.625 / 1083 28.125 / 713 54.625 / 1387 <b>C750</b> 21 14 3.5 120V 1ph,60hz, <5 amps 695/315 80 / 5.62	42.625 / 1083 28.125 / 713 54.625 / 1387 25 14 3.5 120V 1ph,60hz, <5 amps 735/222 80 / 5.62	42.625 / 1083 28.125 / 713 54.625 / 1387 <b>C1050</b> 30 14 3.5 120V 1ph,60hz, <5 amps 780/254 80 / 5.62	66.25 / 1756 30.25 / 769 56 / 1423 <b>C1500</b> 43 14 3 120V 1ph,60hz, <15 amps 1350/612 125 / 8.79	72.5 / 1920 30.25 / 769 56 / 1423 <b>C2000</b> 57 14 3 120V 1ph.60hz, <15 amps 1600/726 125 / 8.79	58.325 / 1483 31.75 / 806 78.75 / 2000 72 14 4 120V 1ph.60hz, <17 amps 1550/703 125 / 8.79	58.325 / 1483 31.75 / 806 78.75 / 2000 85 14 4.5 204/240V 3ph 60hz 480 3ph 60hz <20 amps 1600/726 125 / 8.79	62.5 / 1587.5 31.75 / 806 78.75 / 2000 114 14 4.5 204/240V 3ph 60hz 480 3 ph 60hz 420 amps 1900/862 125 / 8.79
DEPTH (IN / MM) WIDTH (IN / MM) HEIGHT (IN / MM) OPERATING PARAMETERS BOILER HP MAX INLET GAS PRESSURE (INCHES WC) MIN INLET GAS PRESSURE (INCHES WC) ELECTRIAL REQUIREMENTS OPERATING WEIGHT (LBS / KILOS) MAXIMUM PRESSURE (PSIG / PA) FLOW RATE 20°F ΔT GPM (LT / SEC)	21.75 / 552 36.5 / 927 34 / 862 <b>CM300</b> 8.3 14 3.5 120V 1ph, 60hz, <8amps 290 / 132 80 / 5.62 28 / 1.8	21.75 / 552 36.5 / 927 34 / 862 CM399 11 14 3.5 120V 1ph, 60hz, <8amps 313 / 142 80 / 5.62 37 / 2.3	21.75 / 552 36.5 / 927 34 / 862 CM500 13.7 14 6 (3.5 option) 120V 1ph, 60hz, <8amps 313 / 142 80 / 5.62 46 / 2.9	42.625 / 1083 28.125 / 713 54.625 / 1387 <b>C750</b> 21 14 3.5 120V 1ph,60hz, <5 amps 695/315 80 / 5.62 72 / 4.5	42.625 / 1083 28.125 / 713 54.625 / 1387 25 14 3.5 120V 1ph,60hz, <5 amps 735/222 80 / 5.62 86 / 5.4	42.625 / 1083 28.125 / 713 54.625 / 1387 <b>C1050</b> 30 14 3.5 120V 1ph,60hz, <5 amps 780/254 80 / 5.62 100 / 6.3	66.25 / 1756 30.25 / 769 56 / 1423 <b>C1500</b> 43 14 3 120V 1ph,60hz, <15 amps 1350/612 125 / 8.79 144 / 9.1	72.5 / 1920 30.25 / 769 56 / 1423 <b>C2000</b> 57 14 3 120V 1ph,60hz, <15 amps 1600/726 125 / 8.79 192 / 12.2	58.325 / 1483 31.75 / 806 78.75 / 2000 72 14 4 120V 1ph,60hz, <17 amps 1550/703 125 / 8.79 238 / 15.0	58.325 / 1483 31.75 / 806 78.75 / 2000 85 14 4.5 204/240V 3ph 60hz 480 3ph 60hz <20 amps 1600/726 125 / 8.79 259 / 16.3	62.5 / 1587.5 31.75 / 806 78.75 / 2000 114 14 4.5 204/240V 3ph 60hz 480 3 ph 60hz 480 3 ph 60hz 220 amps 1900/862 125 / 8.79 345 / 21.7
DEPTH (IN / MM) WIDTH (IN / MM) HEIGHT (IN / MM) OPERATING PARAMETERS BOILER HP MAX INLET GAS PRESSURE (INCHES WC) MIN INLET GAS PRESSURE (INCHES WC) ELECTRIAL REQUIREMENTS OPERATING WEIGHT (LBS / KILOS) MAXIMUM PRESSURE (PSIG / PA) FLOW RATE 20°F AT GPM (LT / SEC) FLOW RATE 40°F AT GPM (LT / SEC)	21.75 / 552 36.5 / 927 34 / 862 <b>CM300</b> 8.3 14 3.5 120V 1ph, 60hz, <8amps 290 / 132 80 / 5.62 28 / 1.8 14 / .9	21.75 / 552 36.5 / 927 34 / 862 CM399 11 14 3.5 120V 1ph, 60hz, <8amps 313 / 142 80 / 5.62 37 / 2.3 18 /1.1	21.75 / 552 36.5 / 927 34 / 862 CM500 13.7 14 6 (3.5 option) 120V 1ph, 60hz, <8amps 313 / 142 80 / 5.62 46 / 2.9 23 / 1.5	42.625 / 1083 28.125 / 713 54.625 / 1387 <b>C750</b> 21 14 3.5 120V 1ph,60hz, <5 amps 695/315 80 / 5.62 72 / 4.5 36 / 2.3	42.625 / 1083 28.125 / 713 54.625 / 1387 25 14 3.5 120V 1ph,60hz, <5 amps 735/222 80 / 5.62 86 / 5.4 43 / 2.7	42.625 / 1083 28.125 / 713 54.625 / 1387 <b>C1050</b> 30 14 3.5 120V 1ph,60hz, <5 amps 780/254 80 / 5.62 100 / 6.3 50 / 3.2	66.25 / 1756 30.25 / 769 56 / 1423 <b>C1500</b> 43 14 3 120V 1ph,60hz, <15 amps 1350/612 125 / 8.79 144 / 9.1 72 / 4.5	72.5 / 1920 30.25 / 769 56 / 1423 <b>C2000</b> 57 14 3 120V 1ph,60hz, <15 amps 1600/726 125 / 8.79 192 / 12.2 91 / 5.7	58.325 / 1483 31.75 / 806 78.75 / 2000 72 14 4 120V 1ph,60hz, <17 amps 1550/703 125 / 8.79 238 / 15.0 119 / 7.5	58.325 / 1483 31.75 / 806 78.75 / 2000 85 14 4.5 204/240V 3ph 60hz 480 3ph 60hz <20 amps 1600/726 125 / 8.79 259 / 16.3 143 / 9.0	62.5 / 1587.5 31.75 / 806 78.75 / 2000 114 14 4.5 204/240V 3ph 60hz 480 3 ph 60hz 420 amps 1900/862 125 / 8.79 345 / 21.7 190 / 12.0
DEPTH (IN / MM) WIDTH (IN / MM) HEIGHT (IN / MM) OPERATING PARAMETERS BOILER HP MAX INLET GAS PRESSURE (INCHES WC) MIN INLET GAS PRESSURE (INCHES WC) ELECTRIAL REQUIREMENTS OPERATING WEIGHT (LBS / KILOS) MAXIMUM PRESSURE (PSIG / PA) FLOW RATE 20°F AT GPM (LT / SEC) FLOW RATE 40°F AT GPM (LT / SEC) FLOW RATE 40°F AT GPM (LT / SEC)	21.75 / 552 36.5 / 927 34 / 862 CM300 8.3 14 3.5 120V 1ph, 60hz, <8amps 290 / 132 80 / 5.62 28 / 1.8 14 / .9 CM300 CM30	21.75 / 552 36.5 / 927 34 / 862 CM399 11 14 3.5 120V 1ph, 60hz, <8amps 313 / 142 80 / 5.62 37 / 2.3 18 /1.1 CM399	21.75 / 552 36.5 / 927 34 / 862 CM500 13.7 14 6 (3.5 option) 120V 1ph, 60hz, <8amps 313 / 142 80 / 5.62 46 / 2.9 23 / 1.5 CM500	42.625 / 1083 28.125 / 713 54.625 / 1387 <b>C750</b> 21 14 3.5 120V 1ph,60hz, <5 amps 695/315 80 / 5.62 72 / 4.5 36 / 2.3 <b>C750</b>	42.625 / 1083 28.125 / 713 54.625 / 1387 25 14 3.5 120V 1ph,60hz, <5 amps 735/222 80 / 5.62 86 / 5.4 43 / 2.7 <b>C900</b>	42.625 / 1083 28.125 / 713 54.625 / 1387 <b>C1050</b> 30 14 3.5 120V 1ph,60hz, <5 amps 780/254 80 / 5.62 100 / 6.3 50 / 3.2 <b>C1050</b>	66.25 / 1756 30.25 / 769 56 / 1423 <b>C1500</b> 43 14 3 3 120V 1ph,60hz, <15 amps 1350/612 125 / 8.79 144 / 9.1 72 / 4.5 <b>C1500</b>	72.5 / 1920 30.25 / 769 56 / 1423 <b>C2000</b> 57 14 3 3 120V 1ph,60hz, <15 amps 1600/726 125 / 8.79 192 / 12.2 91 / 5.7 <b>C2000</b>	58.325 / 1483 31.75 / 806 78.75 / 2000 72 14 4 120V 1ph,60hz, <17 amps 1550/703 125 / 8.79 238 / 15.0 119 / 75 <b>C2500</b>	58.325 / 1483 31.75 / 806 78.75 / 2000 85 14 4.5 204/240V 39h 60hz 480 3ph 60hz 480 3ph 60hz <20 amps 1600/726 125 / 8.79 259 / 16.3 143 / 9.0 <b>C3000</b>	62.5 / 1587.5 31.75 / 806 78.75 / 2000 114 14 4.5 204/240V 3ph 60hz 480 3 ph 60hz 420 amps 1900/862 125 / 8.79 345 / 21.7 190 / 12.0 <b>C4000</b>
DEPTH (IN / MM) WIDTH (IN / MM) HEIGHT (IN / MM) OPERATING PARAMETERS BOILER HP MAX INLET GAS PRESSURE (INCHES WC) MIN INLET GAS PRESSURE (INCHES WC) ELECTRIAL REQUIREMENTS OPERATING WEIGHT (LBS / KILOS) MAXIMUM PRESSURE (PSIG / PA) FLOW RATE 20°F AT GPM (LT / SEC) FLOW RATE 40°F AT GPM (LT / SEC) FLOW RATE 40°F AT GPM (LT / SEC) ACCEPTABLE VENT MATERIALS AL29-4C	21.75 / 552 36.5 / 927 34 / 862 CM300 8.3 14 3.5 120V 1ph, 60hz, <8amps 290 / 132 80 / 5.62 28 / 1.8 14 / .9 CM300 ✓	21.75 / 552 36.5 / 927 34 / 862 CM399 11 14 3.5 120V 1ph, 60hz, <8amps 313 / 142 80 / 5.62 37 / 2.3 18 /1.1 CM399 ✓	21.75 / 552 36.5 / 927 34 / 862 CM500 13.7 14 6 (3.5 option) 120V 1ph, 60hz, <8amps 313 / 142 80 / 5.62 46 / 2.9 23 / 1.5 CM500 ✓	42.625 / 1083 28.125 / 713 54.625 / 1387 C750 21 14 3.5 120V 1ph,60hz, <5 amps 695/315 80 / 5.62 72 / 4.5 36 / 2.3 C750 ✓	42.625 / 1083 28.125 / 713 54.625 / 1387 <b>C900</b> 25 14 3.5 120V 1ph,60hz, <5 amps 735/222 80 / 5.62 86 / 5.4 43 / 2.7 <b>C900</b> ✓	42.625 / 1083 28.125 / 713 54.625 / 1387 C1050 30 14 3.5 120V 1ph,60hz, <5 amps 780/254 80 / 5.62 100 / 6.3 50 / 3.2 C1050 ✓	66.25 / 1756 30.25 / 769 56 / 1423 <b>C1500</b> 43 14 3 120V 1ph,60hz, <15 amps 1350/612 125 / 8.79 144 / 9.1 72 / 4.5 <b>C1500</b> ✓	72.5 / 1920 30.25 / 769 56 / 1423 <b>C2000</b> 57 14 3 120V 1ph.60hz, <15 amps 1600/726 125 / 8.79 192 / 12.2 91 / 5.7 <b>C2000</b> ✓	58.325 / 1483 31.75 / 806 78.75 / 2000 C2500 72 14 4 120V 1ph,60hz, <17 amps 1550/703 125 / 8.79 238 / 15.0 119 / 75 C2500 ✓	58.325 / 1483 31.75 / 806 78.75 / 2000 85 14 4.5 204/240V 3ph 60hz 480 3ph 60hz <20 amps 1600/726 125 / 8.79 259 / 16.3 143 / 9.0 <b>C3000</b> ✓	62.5 / 1587.5 31.75 / 806 78.75 / 2000 114 14 4.5 204/240V 3ph 60hz 480 3 ph 60hz 480 3 ph 60hz 420 amps 1900/862 125 / 8.79 345 / 21.7 190 / 12.0 <b>C4000</b> √
DEPTH (IN / MM) WIDTH (IN / MM) HEIGHT (IN / MM) <b>OPERATING PARAMETERS</b> BOILER HP MAX INLET GAS PRESSURE (INCHES WC) MIN INLET GAS PRESSURE (INCHES WC) MIN INLET GAS PRESSURE (INCHES WC) ELECTRIAL REQUIREMENTS OPERATING WEIGHT (LBS / KILOS) MAXIMUM PRESSURE (PSIG / PA) FLOW RATE 20°F AT GPM (LT / SEC) FLOW RATE 40°F AT GPM (LT / SEC) FLOW RATE 40°F AT GPM (LT / SEC) ACCEPTABLE VENT MATERIALS AL29-4C 316L SS	21.75 / 552 36.5 / 927 34 / 862 CM300 8.3 14 3.5 120V 1ph, 60hz, <8amps 290 / 132 80 / 5.62 28 / 1.8 14 / .9 CM300 ✓	21.75 / 552 36.5 / 927 34 / 862 CM399 11 14 3.5 120V 1ph, 60hz, <8amps 313 / 142 80 / 5.62 37 / 2.3 18 /1.1 CM399 	21.75 / 552 36.5 / 927 34 / 862 CM500 13.7 14 6 (3.5 option) 120V 1ph, 60hz, <8amps 313 / 142 80 / 5.62 46 / 2.9 23 / 1.5 CM500 ✓	42.625 / 1083 28.125 / 713 54.625 / 1387 <b>C750</b> 21 14 3.5 120V 1ph,60hz, <5 amps 695/315 80 / 5.62 72 / 4.5 36 / 2.3 <b>C750</b> ✓	42.625 / 1083 28.125 / 713 54.625 / 1387 C900 25 14 3.5 120V 1ph,60hz, <5 amps 735/222 80 / 5.62 86 / 5.4 43 / 2.7 C900 ✓	42.625 / 1083 28.125 / 713 54.625 / 1387 <b>C1050</b> 30 14 3.5 120V 1ph,60hz, <5 amps 780/254 80 / 5.62 100 / 6.3 50 / 3.2 <b>C1050</b>	66.25 / 1756 30.25 / 769 56 / 1423 <b>C1500</b> 43 14 3 120V 1ph,60hz, <15 amps 1350/612 125 / 8.79 144 / 9.1 72 / 4.5 <b>C1500</b> ✓	72.5 / 1920 30.25 / 769 56 / 1423 <b>C2000</b> 57 14 3 120V 1ph,60hz, <15 amps 1600/726 125 / 8.79 192 / 12.2 91 / 5.7 <b>C2000</b> ✓	58.325 / 1483 31.75 / 806 78.75 / 2000 72 14 4 120V 1ph,60hz, <17 amps 1550/703 125 / 8.79 238 / 15.0 119 / 7.5 <b>C2500</b> ✓	58.325 / 1483 31.75 / 806 78.75 / 2000 85 14 4.5 204/240V 3ph 60hz 480 3ph 60hz 420 amps 1600/726 125 / 8.79 259 / 16.3 143 / 9.0 <b>C3000</b> ✓	62.5 / 1587.5 31.75 / 806 78.75 / 2000 C4000 114 14 4.5 204/240V 3ph 60hz 480 3 ph 60hz 480 3 ph 60hz 20 amps 1900/862 125 / 8.79 345 / 21.7 190 / 12.0 C4000 ✓
DEPTH (IN / MM) WIDTH (IN / MM) HEIGHT (IN / MM) <b>OPERATING PARAMETERS</b> BOILER HP MAX INLET GAS PRESSURE (INCHES WC) MIN INLET GAS PRESSURE (INCHES WC) ELECTRIAL REQUIREMENTS OPERATING WEIGHT (LBS / KILOS) MAXIMUM PRESSURE (PSIG / PA) FLOW RATE 20°F AT GPM (LT / SEC) FLOW RATE 40°F AT GPM (LT / SEC) FLOW RATE 40°F AT GPM (LT / SEC) ACCEPTABLE VENT MATERIALS AL29-4C 316L SS PVC	21.75 / 552 36.5 / 927 34 / 862 CM300 8.3 14 3.5 120V 1ph, 60hz, <8amps 290 / 132 80 / 5.62 28 / 1.8 14 / .9 CM300 ✓ CM300 ✓	21.75 / 552 36.5 / 927 34 / 862 CM399 11 14 3.5 120V 1ph, 60hz, <8amps 313 / 142 80 / 5.62 37 / 2.3 18 /1.1 CM399 ✓ ✓	21.75 / 552 36.5 / 927 34 / 862 CM500 13.7 14 6 (3.5 option) 120V 1ph, 60hz, <8amps 313 / 142 80 / 5.62 46 / 2.9 23 / 1.5 CM500 ✓	42.625 / 1083 28.125 / 713 54.625 / 1387 <b>C750</b> 21 14 3.5 120V 1ph,60hz, <5 amps 695/315 80 / 5.62 72 / 4.5 36 / 2.3 <b>C750</b> ✓ ✓	42.625 / 1083 28.125 / 713 54.625 / 1387 <b>C900</b> 25 14 3.5 120V 1ph,60hz, <5 amps 735/222 80 / 5.62 86 / 5.4 43 / 2.7 <b>C900</b> ✓ ✓	42.625 / 1083 28.125 / 713 54.625 / 1387 <b>C1050</b> 30 14 3.5 120V 1ph,60hz, <5 amps 780/254 80 / 5.62 100 / 6.3 50 / 3.2 <b>C1050</b> ✓	66.25 / 1756 30.25 / 769 56 / 1423 <b>C1500</b> 43 14 3 120V 1ph,60hz, <15 amps 1350/612 125 / 8.79 144 / 9.1 72 / 4.5 <b>C1500</b> ✓ —	72.5 / 1920 30.25 / 769 56 / 1423 <b>C2000</b> 57 14 3 120V 1ph,60hz, <15 amps 1600/726 125 / 8.79 192 / 12.2 91 / 5.7 <b>C2000</b> ✓	58.325 / 1483 31.75 / 806 78.75 / 2000 72 14 4 120V 1ph,60hz, <17 amps 1550/703 125 / 8.79 238 / 15.0 119 / 7.5 <b>C2500</b> ✓	58.325 / 1483 31.75 / 806 78.75 / 2000 85 14 4.5 204/240V 3ph 60hz 480 3ph 60hz 420 amps 1600/726 125 / 8.79 259 / 16.3 143 / 9.0 C3000 ✓ ✓	62.5 / 1587.5 31.75 / 806 78.75 / 2000 C4000 114 14 4.5 204/240V 3ph 60hz 480 3 ph 60hz 480 3 ph 60hz 20 arps 1900/862 125 / 8.79 345 / 21.7 190 / 12.0 C4000 ✓
DEPTH (IN / MM) WIDTH (IN / MM) HEIGHT (IN / MM) <b>OPERATING PARAMETERS</b> BOILER HP MAX INLET GAS PRESSURE (INCHES WC) MINI INLET GAS PRESSURE (INCHES WC) ELECTRIAL REQUIREMENTS OPERATING WEIGHT (LBS / KILOS) MAXIMUM PRESSURE (PSIG / PA) FLOW RATE 20°F AT GPM (LT / SEC) FLOW RATE 20°F AT GPM (LT / SEC) FLOW RATE 40°F AT GPM (LT / SEC) ACCEPTABLE VENT MATERIALS AL29-4C 316L SS PVC CPVC	21.75 / 552 36.5 / 927 34 / 862 CM300 8.3 14 3.5 120V 1ph, 60hz, <8amps 290 / 132 80 / 5.62 28 / 1.8 14 / .9 CM300 ✓ CM300 ✓	21.75 / 552 36.5 / 927 34 / 862 CM399 11 14 3.5 120V 1ph, 60hz, <8amps 313 / 142 80 / 5.62 37 / 2.3 18 /1.1 CM399 ✓ ✓	21.75 / 552 36.5 / 927 34 / 862 CM500 13.7 14 6 (3.5 option) 120V 1ph, 60hz, <8amps 313 / 142 80 / 5.62 46 / 2.9 23 / 1.5 CM500 ✓ CM500 ✓	42.625 / 1083 28.125 / 713 54.625 / 1387 C750 21 14 3.5 120V 1ph,60hz, <5 amps 695/315 80 / 5.62 72 / 4.5 36 / 2.3 C750 ✓ ✓ ✓	42.625 / 1083 28.125 / 713 54.625 / 1387 C900 25 14 3.5 120V 1ph,60hz, <5 amps 735/222 80 / 5.62 86 / 5.4 43 / 2.7 C900 ✓ ✓	42.625 / 1083 28.125 / 713 54.625 / 1387 C1050 30 14 3.5 120V 1ph,60hz, <5 amps 780/254 80 / 5.62 100 / 6.3 50 / 3.2 C1050 ✓ ✓ ✓	66.25 / 1756 30.25 / 769 56 / 1423 <b>C1500</b> 43 14 3 120V 1ph,60hz, <15 amps 1350/612 125 / 8.79 144 / 9.1 72 / 4.5 <b>C1500</b> ✓ ✓ ✓	72.5 / 1920 30.25 / 769 56 / 1423 <b>C2000</b> 57 14 3 120V 1ph,60hz, <15 amps 1600/726 125 / 8.79 192 / 12.2 91 / 5.7 <b>C2000</b> ✓ ✓	58.325 / 1483 31.75 / 806 78.75 / 2000 72 14 4 120V 1ph,60hz, <17 amps 1550/703 125 / 8.79 238 / 15.0 119 / 7.5 <b>C2500</b> ✓ ( /	58.325 / 1483 31.75 / 806 78.75 / 2000 85 14 4.5 204/240V 3ph 60hz 480 3ph 60hz 480 3ph 60hz 420 amps 1600/726 125 / 8.79 259 / 16.3 143 / 9.0 <b>C3000</b> ✓ ✓	62.5 / 1587.5 31.75 / 806 78.75 / 806 78.75 / 2000 C4000 114 14 4.5 204/240V 3ph 60hz 480 3ph 60hz 480 3ph 60hz 420 amps 1900/862 125 / 8.79 345 / 21.7 190 / 12.0 C4000 ✓ ✓ ✓
DEPTH (IN / MM) WIDTH (IN / MM) HEIGHT (IN / MM) OPERATING PARAMETERS BOILER HP MAX INLET GAS PRESSURE (INCHES WC) MIN INLET GAS PRESSURE (INCHES WC) ELECTRIAL REQUIREMENTS OPERATING WEIGHT (LBS / KILOS) MAXIMUM PRESSURE (PSIG / PA) FLOW RATE 20°F AT GPM (LT / SEC) FLOW RATE 20°F AT GPM (LT / SEC) FLOW RATE 40°F AT GPM (LT / SEC) ACCEPTABLE VENT MATERIALS AL29-4C 316L SS PVC CPVC POLYPROPYLENF* NEW	21.75 / 552 36.5 / 927 34 / 862 CM300 8.3 14 3.5 120V 1ph, 60hz, <8amps 290 / 132 80 / 5.62 28 / 1.8 14 / .9 CM300 ✓ CM300 ✓ CM300 ✓ CM300 ✓ CM300 CM30	21.75 / 552 36.5 / 927 34 / 862 CM399 11 14 3.5 120V 1ph, 60hz, <8amps 313 / 142 80 / 5.62 37 / 2.3 18 /1.1 CM399 ✓ ✓ ✓	21.75 / 552 36.5 / 927 34 / 862 CM500 13.7 14 6 (3.5 option) 120V 1ph, 60hz, <8amps 313 / 142 80 / 5.62 46 / 2.9 23 / 1.5 CM500 ✓ CM500 ✓ ✓	42.625 / 1083 28.125 / 713 54.625 / 1387 <b>C750</b> 21 14 3.5 120V 1ph,60hz, <5 amps 695/315 80 / 5.62 72 / 4.5 36 / 2.3 <b>C750</b> ✓ ✓ ✓ ✓	42.625 / 1083 28.125 / 713 54.625 / 1387 <b>C900</b> 25 14 3.5 120V 1ph,60hz, <5 amps 735/222 80 / 5.62 86 / 5.4 43 / 2.7 <b>C900</b> ✓ ✓ ✓ ✓	42.625 / 1083 28.125 / 713 54.625 / 1387 C1050 30 14 3.5 120V 1ph,60hz, <5 amps 780/254 80 / 5.62 100 / 6.3 50 / 3.2 C1050 ✓ ✓ ✓ – –	66.25 / 1756 30.25 / 769 56 / 1423 <b>C1500</b> 43 14 3 120V 1ph,60hz, <15 amps 1350/612 125 / 8.79 144 / 9.1 72 / 4.5 <b>C1500</b> ✓ ✓ ✓ ✓ ✓	72.5 / 1920 30.25 / 769 56 / 1423 <b>C2000</b> 57 14 3 120V 1ph,60hz, <15 amps 1600/726 125 / 8.79 192 / 12.2 91 / 5.7 <b>C2000</b> ✓ ✓ ✓ ✓	58.325 / 1483 31.75 / 806 78.75 / 2000 72 14 4 120V 1ph,60hz, <17 amps 1550/703 125 / 8.79 238 / 15.0 119 / 75 C2500 ✓ ✓ ✓ ✓	58.325 / 1483 31.75 / 806 78.75 / 2000 85 14 4.5 204/240V 3ph 60hz 480 3ph 60hz 420 amps 1600/726 125 / 8.79 259 / 16.3 143 / 9.0 € С3000 € С3000 € С3000 € С3000 С300 С3000	62.5 / 1587.5 31.75 / 806 78.75 / 2000 C4000 114 14 4.5 204/240V 3ph 60hz 480 3 ph 60hz 480 3 ph 60hz 420 amps 1900/862 125 / 8.79 345 / 21.7 190 / 12.0 C4000 ✓ ✓ ✓ ✓
DEPTH (IN / MM) WIDTH (IN / MM) HEIGHT (IN / MM) OPERATING PARAMETERS BOILER HP MAX INLET GAS PRESSURE (INCHES WC) MIN INLET GAS PRESSURE (INCHES WC) ELECTRIAL REQUIREMENTS OPERATING WEIGHT (LBS / KILOS) MAXIMUM PRESSURE (PSIG / PA) FLOW RATE 20°F AT GPM (LT / SEC) FLOW RATE 20°F AT GPM (LT / SEC) FLOW RATE 40°F AT GPM (LT / SEC) ACCEPTABLE VENT MATERIALS AL29-4C 316L SS PVC CPVC POLYPROPYLENE* NEW CAT II	21.75 / 552 36.5 / 927 34 / 862 CM300 8.3 14 3.5 120V 1ph, 60hz, <8amps 290 / 132 80 / 5.62 28 / 1.8 14 / .9 CM300 ✓ CM300 ✓ CM300 ✓ CM300 ✓ CM300 ✓ CM300 CM300 CM30 CM300 CM30	21.75 / 552 36.5 / 927 34 / 862 CM399 11 14 3.5 120V 1ph, 60hz, <8amps 313 / 142 80 / 5.62 37 / 2.3 18 /1.1 CM399 ✓	21.75 / 552 36.5 / 927 34 / 862 CM500 13.7 14 6 (3.5 option) 120V 1ph, 60hz, <8amps 313 / 142 80 / 5.62 46 / 2.9 23 / 1.5 CM500 ✓ CM500 ✓ ✓ ✓	42.625 / 1083 28.125 / 713 54.625 / 1387 <b>C750</b> 21 14 3.5 120V 1ph,60hz, <5 amps 695/315 80 / 5.62 72 / 4.5 36 / 2.3 <b>C750</b> <b>✓</b> <b>✓</b> <b>✓</b> <b>✓</b>	42.625 / 1083 28.125 / 713 54.625 / 1387 C900 25 14 3.5 120V 1ph,60hz, <5 amps 735/222 80 / 5.62 86 / 5.4 43 / 2.7 C900 ✓ ✓ ✓ ✓ ✓ ✓	42.625 / 1083 28.125 / 713 54.625 / 1387 C1050 30 14 3.5 120V 1ph,60hz, <5 amps 780/254 80 / 5.62 100 / 6.3 50 / 3.2 C1050 ✓ ✓ ✓ ✓ ✓ ✓	66.25 / 1756 30.25 / 769 56 / 1423 <b>C1500</b> 43 14 3 120V 1ph,60hz, <15 amps 1350/612 125 / 8.79 144 / 9.1 72 / 4.5 <b>C1500</b> ✓ ✓ ✓ ✓ ✓ ✓	72.5 / 1920 30.25 / 769 56 / 1423 <b>C2000</b> 57 14 3 120V 1ph,60hz, <15 amps 1600/726 125 / 8.79 192 / 12.2 91 / 5.7 <b>C2000</b> ✓ ✓ ✓ ✓ ✓	58.325 / 1483 31.75 / 806 78.75 / 2000 72 14 4 120V 1ph,60hz, <17 amps 1550/703 125 / 8.79 238 / 15.0 119 / 75 <b>C2500</b> ✓ Interference Interference C2500 ✓ Interference Interference C2500	58.325 / 1483 31.75 / 806 78.75 / 2000 85 14 4.5 204/240V 3ph 60hz 480 3ph 60hz <20 amps 1600/726 125 / 8.79 255 / 16.3 143 / 9.0 € 3000 € 143 / 9.0 € 143 / 9.0 € 143 / 9.0 € 145 143 / 9.0 € 145 145 145 145 145 145 145 145	62.5 / 1587.5 31.75 / 806 78.75 / 2000 C4000 114 14 4.5 204/240V 3ph 60hz 480 3ph 60hz 480 3ph 60hz 420 amps 1900/862 125 / 8.79 345 / 21.7 190 / 12.0 C4000 ✓
DEPTH (IN / MM) WIDTH (IN / MM) HEIGHT (IN / MM) OPERATING PARAMETERS BOILER HP MAX INLET GAS PRESSURE (INCHES WC) MIN INLET GAS PRESSURE (INCHES WC) ELECTRIAL REQUIREMENTS OPERATING WEIGHT (LBS / KILOS) MAXIMUM PRESSURE (PSIG / PA) FLOW RATE 20°F AT GPM (LT / SEC) FLOW RATE 20°F AT GPM (LT / SEC) FLOW RATE 40°F AT GPM (LT / SEC) FLOW RATE 40°F AT GPM (LT / SEC) ACCEPTABLE VENT MATERIALS AL29-4C 316L SS PVC CPVC POLYPROPYLENE* NEW CAT II CAT IV	21.75 / 552 36.5 / 927 34 / 862 CM300 8.3 14 3.5 120V 1ph, 60hz, <8amps 290 / 132 80 / 5.62 28 / 1.8 14 / .9 CM300 ✓ CM300 ✓ CM300 ✓ CM300 ✓ CM300 ✓ CM300 CM30	21.75 / 552 36.5 / 927 34 / 862 CM399 11 14 3.5 120V 1ph, 60hz, <8amps 313 / 142 80 / 5.62 37 / 2.3 18 /1.1 CM399 ✓ ✓ ✓ ✓	21.75 / 552 36.5 / 927 34 / 862 CM500 13.7 14 6 (3.5 option) 120V 1ph, 60hz, <8amps 313 / 142 80 / 5.62 46 / 2.9 23 / 1.5 CM500 ✓ CM500 ✓ ✓ ✓ ✓	42.625 / 1083 28.125 / 713 54.625 / 1387 <b>C750</b> 21 14 3.5 120V 1ph,60hz, <5 amps 695/315 80 / 5.62 72 / 4.5 36 / 2.3 <b>C750</b> ✓ ✓ ✓ ✓ ✓ ✓ ✓	42.625 / 1083 28.125 / 713 54.625 / 1387 <b>C900</b> 25 14 3.5 120V 1ph,60hz, <5 amps 735/222 80 / 5.62 86 / 5.4 43 / 2.7 <b>C900</b> ✓ ✓ ✓ ✓ ✓ ✓ ✓	42.625 / 1083 28.125 / 713 54.625 / 1387 C1050 30 14 3.5 120V 1ph,60hz, <5 amps 780/254 80 / 5.62 100 / 6.3 50 / 3.2 C1050 ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	66.25 / 1756 30.25 / 769 56 / 1423 <b>C1500</b> 43 14 3 120V 1ph,60hz, <15 amps 1350/612 125 / 8.79 144 / 9.1 72 / 4.5 <b>C1500</b> ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	72.5 / 1920 30.25 / 769 56 / 1423 <b>C2000</b> 57 14 3 120V 1ph,60hz, <15 amps 1600/726 125 / 8.79 192 / 12.2 91 / 5.7 <b>C2000</b> ✓ ✓ ✓ ✓ ✓ ✓ ✓	58.325 / 1483 31.75 / 806 78.75 / 2000 72 14 4 120V 1ph,60hz, <17 amps 1550/703 125 / 8.79 238 / 15.0 119 / 75 <b>C2500</b> ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	58.325 / 1483 31.75 / 806 78.75 / 2000 85 14 4.5 204/240V 3ph 60hz 480 3ph 60hz 420 amps 1600/726 125 / 8.79 259 / 16.3 143 / 9.0 <b>C3000</b> ✓ ✓ ✓ ✓ ✓ ✓ ✓	62.5 / 1587.5 31.75 / 806 78.75 / 806 78.75 / 2000 C4000 114 14 4.5 204/240V 3ph 60hz 480 3 ph 60hz 480 3 ph 60hz 420 amps 1900/862 125 / 8.79 345 / 21.7 190 / 12.0 C4000 ✓ — — — —

Common venting arrangments include sealed combustion.

+ (CANADA) When this material is used for venting, it must be listed to ULC-S636 (US) When this material is used for venting, it must be listed to UL-1738

\* Available with Envi control only

#### Certifications

GE GAP (IRI) GAP.4.1.0 AND GAP.4.1.3

FM Global 6-4/12-69



Canada (Gas Appliances) U.S. (Gas Appliance)

U.S. Green Building Council Member

ASME Code Section IV Applies to Heating Boilers  $\{H\}$ 





**Harsco Industrial** Patterson-Kelley

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

Phone: 570.476.7261 Toll Free: 877.728.5351 Fax: 570.476.7247





PROUDLY **DESIGNED & ASSEMBLED** IN THE U.S.A.