



BURNER SPEC & DATA SHEET

SERIES CC™ **POWER FLAME MODEL “JRA” BURNER** **FOR GAS**

STANDARD EQUIPMENT

1. Spark ignited gas pilot.
2. Air flow safety switch.
3. Flame rod flame detector.

OPTIONAL EQUIPMENT

1. Control panel with on/off control switch, power-on and main fuel lights and terminal strip.
Also available are additional lights, control circuit fuse, alarm bell and step-down control circuit transformer.
2. Proven low fire start for L-H-O and L-H-L control systems.
3. Controls to comply with FM, IRI and other codes. Contact your local Peerless® Representative or PB Heat, LLC for availability.
4. Various combustion controls. Contact your local Peerless® Representative or PB Heat, LLC for availability.
5. Burner motor voltages: 230/60/1, 208/60/3, 230/60/3, 460/60/3.

Standard Control Systems:

O-O - On-off operation with one position air (CC-03 thru CC-06).

L-H-L - Low-high-low operation with low fire start and two position air (CC-07 thru CC-12).

Optional Control Systems:

L-H-O - Low-high-off operation with low fire start and two position air (CC-04 thru CC-06).

L-H-L - Low-high-low operation with low fire start and two position air (CC-04 thru CC-06).

MOD - Full modulation with proven low fire start. Requires potentiometer control (CC-04 thru CC-12).

POWER FLAME MODEL "JRA" BURNER FOR GAS

| BOILER MODEL | I=B=R INPUT MBH (1) | OVERFIRE PRESSURE IN. W.C. (2) | BURNER MODEL | STANDARD COMBUSTION CONTROL | STANDARD CONTROL SYSTEM | 3450 RPM MOTOR HP | STANDARD MOTOR VOLTAGE |
|--------------|---------------------|--------------------------------|--------------|-----------------------------|-------------------------|-------------------|------------------------|
| CC-03 | 364 | +0.28 | JR15A-10 | RM7897A/FR | O-O | 1/4 | 115/60/1 |
| CC-04 | 504 | +0.28 | JR15A-10 | RM7897A/FR | O-O | 1/4 | 115/60/1 |
| CC-05 | 700 | +0.30 | JR30A-10 | RM7897A/FR | O-O | 1/3 | 115/60/1 |
| CC-06 | 910 | +0.33 | JR30A-10 | RM7897A/FR | O-O | 1/3 | 115/60/1 |
| CC-07 | 1106 | +0.36 | JR30A-10 | RM7897A/FR | L-H-L | 1/3 | 115/60/1 |
| CC-08 | 1302 | +0.39 | JR50A-15 | RM7897A/FR | L-H-L | 1/3 | 115/60/1 |
| CC-09 | 1512 | +0.42 | JR50A-15 | RM7897A/FR | L-H-L | 1/3 | 115/60/1 |
| CC-10 | 1708 | +0.45 | JR50A-15 | RM7897A/FR | L-H-L | 1/3 | 115/60/1 |
| CC-11 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| CC-12 | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

(1) Based on Natural Gas with heating value of 1,000 BTU per cu. ft., 0.60 specific gravity at a maximum altitude of 2000 ft. Consult factory for higher altitudes.

(2) With + 0.10" W.C. at flue outlet when firing at I=B=R Input.

| BOILER MODEL | STANDARD CONTROL TRAIN | | |
|--------------|------------------------|------------------------|---------|
| | SIZE NPT | PRESSURE - INCHES W.C. | |
| | | MINIMUM | MAXIMUM |
| CC-03 | 1.00" | 4.3 | 14 |
| CC-04 | 1.00" | 4.4 | 14 |
| CC-05 | 1.00" | 5.3 | 14 |
| CC-06 | 1.00" | 5.6 | 14 |
| CC-07 | 1.25"/1.00" | 5.9 | 14 |
| CC-08 | 1.25"/1.00" | 6.0 | 14 |
| CC-09 | 1.25" | 5.9 | 14 |
| CC-10 | 1.50"/1.25" | 5.3 | 14 |
| CC-11 | N/A | N/A | N/A |
| CC-12 | N/A | N/A | N/A |

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