**STANDARD EQUIPMENT**

**CF500 Burner:**
1. On-off operation with single position air.
2. Cadmium cell flame detector.
3. Optional motor voltages: 208/60/1, 240/60/1.

**CF800 Burner:**
1. On-off operation with single position air.
2. Cadmium cell flame detector.
3. Optional motor voltages: 208/60/1, 240/60/1.

**OPTIONAL EQUIPMENT**

1. Control panel, burner or remote mounted, with on/off control switch, power-on light, control circuit fuse and terminal strip. Also available are additional lights, alarm bell and step-down control circuit transformer.
2. Air proving switch.
3. Various combustion controls. Contact your local Peerless® Representative or PB Heat, LLC for availability.
### Beckett Model “CF” Burner For Light Oil

**Boiler Model** | **I=B=R Input GPH (1)** | **Overfire Pressure In. W.C. (2)** | **Burner Model** | **Standard Combustion Control** | **3450 RPM Motor HP** | **Standard Motor Voltage**
--- | --- | --- | --- | --- | --- | ---
SC/SCT-05 | 3.00 | +0.20 | CF500 | R7184B | 1/3 | 120/60/1
SC/SCT-06 | 3.50 | +0.20 | CF500 | R7184B | 1/3 | 120/60/1
SC/SCT-07 | 4.00 | +0.20 | CF800 | R7184B | 1/3 | 120/60/1
SC/SCT-08 | 4.50 | +0.20 | CF800 | R7184B | 1/3 | 120/60/1
SC/SCT-09 | 5.00 | +0.20 | CF800 | R7184B | 1/3 | 120/60/1
SC/SCT-10 | 5.50 | +0.20 | CF800 | R7184B | 1/3 | 120/60/1

(1) Based on No. 2 fuel oil with a heating value of 140,000 BTU/gal. 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.

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**Boiler Model** | **Initial Settings (3)** | **Nozzles - Delavan** | **Pump Pressure PSIG** | **Standard Fuel Unit**
--- | --- | --- | --- | ---
| Head | Air Shutter | Air Band | Qty | GPH | Pattern | Suntec | Gearset GPH (4)
--- | --- | --- | --- | --- | --- | --- | ---
SC/SCT-05 | 2 | 7 | 1 | 1 | 2.50 | 60 B | 140 | B2YA-8916 | 20
SC/SCT-06 | 3 | 10 | 10 | 1 | 3.00 | 60 B | 140 | B2YA-8916 | 20
SC/SCT-07 | 1 | 6 | 0 | 1 | 3.25 | 45 B | 150 | B2YA-8248 | 25
SC/SCT-08 | 2 | 7 | 1 | 1 | 3.75 | 45 B | 140 | B2YA-8248 | 25
SC/SCT-09 | 3 | 7 | 2 | 1 | 4.00 | 30 B | 150 | B2YA-8248 | 25
SC/SCT-10 | 4 | 10 | 4 | 1 | 4.50 | 30 B | 150 | B2YA-8248 | 25

(3) Start-up settings only. Final settings must be determined using combustion test equipment.

(4) For sizing filters, piping and remote pump sets. Not a U.L. nozzle rating.