



# BURNER SPEC & DATA SHEET

## **SERIES CC™** **CARLIN MODEL “CRD” BURNER** **FOR LIGHT OIL**

### STANDARD EQUIPMENT

#### **201CRD and 301CRD Burners:**

1. On-off operation with single position air
2. Oil Solenoid valve.
3. Cadmium cell flame detector.
4. 30 second pre-purge/30 second post-purge.

#### **702CRD Burner:**

1. Low-Hi-Off operation with two-position air control. Low-Hi-Low operation is optional with addition of SPST controller.
2. Low fire hold switch.
3. Cadmium cell flame detector.
4. 30 second pre-purge/30 second post-purge.
5. Optional motor voltage: 230/60/1.

#### **801CRD Burner:**

1. Low-Hi-Off operation with two-position air control. Low-Hi-Low operation is optional with addition of SPST controller.
2. Low fire hold switch.
3. Cadmium cell flame detector.
4. 30 second pre-purge/30 second post-purge.
5. Optional motor voltage: 120/60/1, 208/60/3, 230/60/3, 460/60/3.

### OPTIONAL EQUIPMENT

1. Control panel, burner or remote mounted, with on/off control switch, circuit breaker (for control circuit), and terminal strip. Also available are indicator lights, alarm bell and step-down control circuit transformer.
2. Diaphragm air flow switch (301CRD, 702CRD, 801CRD).
3. Various combustion controls. Contact your local Peerless® Representative or PB Heat, LLC for availability.

**CARLIN MODEL "CRD" 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 VOLTS/PHASE/HERTZ	INITIAL SETTINGS (3)	
							HEAD	AIR SETTING
CC-03	2.45	+0.28	201CRD-PA	CCT-60200	1/4	120/60/1	7/16	25%
CC-04	3.37	+0.28	301CRD-PA	CCT-60200	1/4	120/60/1	5/16	50%
CC-05	4.90	+0.30	301CRD-PA	CCT-60200	1/4	120/60/1	13/16	100%
CC-06	6.50	+0.33	702CRD	CCT-60200	1/2	120/60/1	1/16	5/16*
CC-07	7.80	+0.36	702CRD	CCT-60200	1/2	120/60/1	3/16	1/2*
CC-08	8.66	+0.39	702CRD	CCT-60200	1/2	120/60/1	3/8	7/16*
CC-09	10.39	+0.42	702CRD	CCT-60200	1/2	120/60/1	1	5/8*
CC-10	11.63	+0.45	801CRD	CCT-60200	3/4	230/60/1	5/8	1/4*
CC-11	13.47	+0.48	801CRD	CCT-60200	3/4	230/60/1	5/8	3/8*
CC-12	14.70	+0.51	801CRD	CCT-60200	3/4	230/60/1	7/8	7/16*

(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.

(3) Start-up settings only. Final settings are to be determined using combustion analysis equipment.

\* Air setting for low fire only.

BOILER MODEL	NOZZLES			OIL PRESSURE - PSIG		STANDARD FUEL UNIT	
	QTY	GPH	PATTERN	LOW FIRE	HIGH FIRE	SUNTEC	GEARSET GPH (5)
CC-03	1	2.00	70 B Del	N/A	150	A2YA-7916	20
CC-04	1	2.75	80 SS Hago	N/A	150	A2YA-7916	20
CC-05	1	4.00	60 PLP Mon	N/A	150	B2YA-8916	20
CC-06	1	3.75	60 B Hago	100	300	B2TA-8851	33
CC-07	1	4.50	60 B Hago	100	300	B2TA-8851	33
CC-08	1	5.00	60 B Hago	100	300	B2TA-8851	33
CC-09	1	6.00	60 B Hago	100	300	B2TA-8851	39
CC-10	2	5.50/4.00	45 H Hago	150	150	B2TA-8260	39
CC-11	2	5.50/5.50	45 H Hago	150	150	B2TA-8260	39
CC-12	2	6.00/6.00	45 H Hago	150	150	B2TA-8260	39

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

**PB HEAT, LLC**  
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