



BURNER SPEC & DATA SHEET

SERIES TC™ **CARLIN MODEL “CRD/FFD” BURNERS** **FOR LIGHT OIL**

STANDARD EQUIPMENT

702CRD Burner:

1. Low-high-off operation with two-position air control.
2. Low fire hold switch.
3. Cadmium cell flame detector.
4. 30 second pre-purge/30 second post-purge.
5. 115 Volt/1 Phase/60 Hertz Voltage.

801CRD Burner:

1. Low-high-off operation with two-position air control.
2. Low fire hold switch.
3. Cadmium cell flame detector.
4. 30 second pre-purge/30 second post-purge.
5. 230 Volt/1 Phase/60 Hertz Voltage.

1050FFD Burners:

1. Low-high-off operation with two-position air control.
2. Low fire hold switch.
3. Cadmium cell flame detector on Model TC-09.
4. 30 second pre-purge/30 second post-purge on Model TC-09.
5. Ultraviolet flame detector on Model TC-10.
6. 30 second pre-purge/15 second post-purge on Model TC-10.
7. Air flow switch on Model TC-10.

1150FFD Burners:

1. Low-high-off operation with two-position air control.
2. Low fire hold switch.
3. Ultraviolet flame detector.
4. 30 second pre-purge/15 second post-purge.
5. Air flow switch.
6. 208-230/460 Volt/3 Phase/60 Hertz Voltage.

OPTIONAL EQUIPMENT

1. Control panel, burner or remote mounted, with on/off switch, control circuit breaker (for control circuit) and terminal strip. Also available are indicator lights, alarm bell, and step-down control circuit transformer.
2. Low-high-low burner operation.
3. Air flow switch (702CRD, 801CRD, 1050FFD under 25 GPH).
4. Various combustion controls. Contact your local Peerless® Representative or Peerless® Boilers for availability.

CARLIN MODEL "CRD/FFD" 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 SHUTTER
TC-04	8.0	0.34	702CRD	CCT-60200	1/2	115/1/60	3/16	3/8
TC-05	10.4	0.35	702CRD	CCT-60200	1/2	115/1/60	7/16	7/16
TC-06	12.6	0.36	801CRD	CCT-60200	3/4	115/1/60	3/16	1/4
TC-07	15.0	0.37	801CRD	CCT-60200	3/4	115/1/60	7/16	3/8
TC-08	17.4	0.38	801CRD	CCT-60200	3/4	115/1/60	3/4	1/2
TC-09	19.6	0.39	1050FFD	CCT-60200	1	115/1/60	9/16	5/8
TC-10	22.0	0.40	1050FFD	RM7840L	1	115/1/60	1	7/16
TC-11	24.5	0.41	1150FFD	RM7840L	1-1/2	115/1/60	0	5/8
TC-12	26.5	0.43	1150FFD	RM7840L	1-1/2	115/1/60	1/8	5/8
TC-13	29.0	0.44	1150FFD	RM7840L	1-1/2	115/1/60	9/16	1/2
TC-14	31.5	0.45	1150FFD	RM7840L	1-1/2	115/1/60	11/16	7/16
TC-15	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TC-16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TC-17	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TC-18	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

(1) Based on Commercial Standard Number 2 fuel oil with a heating value of 140,000 BTU/gal. at a maximum altitude of 2000 feet. Consult factory for higher altitudes.

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

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

BOILER MODEL	NOZZLES - HAGO			OIL PRESSURE - PSIG		STANDARD FUEL UNIT	
	QTY	(No.) GPH	PATTERN	LOW FIRE	HIGH FIRE	SUNTEC	GEARSET GPH (4)
TC-04	1	(1) 4.5	45P	100	300	B2TA-8851	33
TC-05	1	(1) 6.0	45P	100	300	B2TA-8851	33
TC-06	2	(1) 5.5/(1) 4.5	45H	150	150	B2TA-8260	61
TC-07	2	(1) 6.0/(1) 6.0	45H	150	150	B2TA-8260	61
TC-08	2	(1) 6.5/(1) 7.5	45H	150	150	B2TA-8260	61
TC-09	3	(1) 9.0/(2) 5.0	45SS	100	100	H5PB-100	79
TC-10	3	(1) 9.0/(2) 6.5	45SS	100	100	H5PB-100	79
TC-11	3	(1) 12.0/(2) 6.0	45SS	100	100	H5PB-100	79
TC-12	3	(1) 12.0/(2) 7.0	45SS	100	100	H5PB-100	79
TC-13	3	(1) 12.0/(2) 8.5	45SS	100	100	H5PB-100	79
TC-14	3	(1) 14.0/(2) 8.5	45SS	100	100	H5PB-100	79
TC-15	—	—	—	—	—	—	—
TC-16	—	—	—	—	—	—	—
TC-17	—	—	—	—	—	—	—
TC-18	—	—	—	—	—	—	—

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

PB HEAT, LLC

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BSDS-TC-CAR R1 (10/11-2C)

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