



BURNER SPEC & DATA SHEET

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

STANDARD EQUIPMENT

702CRD Burner:

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

1150FFD Burners:

1. Lo-Hi-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.

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. Lo-Hi- Lo burner operation.
3. Air flow switch (702CRD, 801CRD, 1050FFD under 25 GPH).
4. Various combustion controls. Contact your local Peerless® Representative or PB Heat, LLC for availability.

CARLIN MODEL "CRD/FFD" BURNER FOR OIL

BOILER MODEL	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
TCII-04	7.9	0.36	702CRD	CCT-60200	1/2	115/1/60	7/16	5/8
TCII-05	10.2	0.59	702CRD	CCT-60200	1/2	115/1/60	1-1/4	15/16
TCII-06	12.2	0.82	801CRD	CCT-60200	3/4	115/1/60	1/2	11/16
TCII-07	14.4	0.46	801CRD	CCT-60200	3/4	115/1/60	5/8	3/4
TCII-08	16.6	0.61	801CRD	CCT-60200	3/4	115/1/60	1	7/8
TCII-09	17.8	0.45	1050FFD	CCT-60200	1	115/1/60	7/8	1/2
TCII-10	21.0	0.60	1050FFD	RM7840L	1	115/1/60	3/4	1/4
TCII-11	23.0	0.55	1150FFD	RM7840L	1-1/2	115/1/60	1/8	3/4
TCII-12	25.5	0.61	1150FFD	RM7840L	1-1/2	115/1/60	7/16	5/8
TCII-13	27.5	0.62	1150FFD	RM7840L	1-1/2	115/1/60	11/16	7/8
TCII-14	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TCII-15	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TCII-16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TCII-17	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TCII-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.

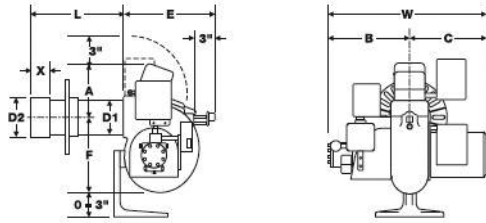
(2) With 0.10 inch W.C. at flue outlet when firing at Rated Input.

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

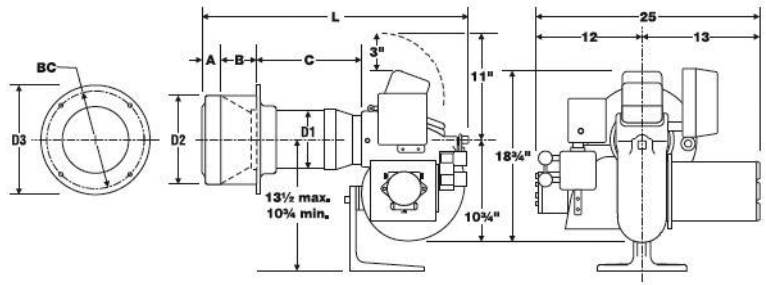
BOILER MODEL	NOZZLES - HAGO			OIL PRESSURE - PSIG		STANDARD FUEL UNIT	
	QTY	(No.) GPH	PATTERN	LOW FIRE	HIGH FIRE	SUNTEC	GEARSET GPH (4)
TCII-04	1	(1) 4.5	45P	100	300	B2TA-8851	33
TCII-05	1	(1) 5.5	45H	100	300	B2TA-8851	33
TCII-06	2	(1) 5.5/(1) 4.5	45H	150	150	B2TA-8260	61
TCII-07	2	(1) 6.0/(1) 5.5	45H	150	150	B2TA-8260	61
TCII-08	2	(2) 6.5	45H	150	150	B2TA-8260	61
TCII-09	3	(1) 9.0/(1) 5.0 (1) 4.5	45SS	100	100	J4PB-B1000G	79
TCII-10	3	(1) 9.0/(2) 6.0	45SS	100	100	J4PB-B1000G	79
TCII-11	3	(1) 11.0/(2) 6.0 (1) 12.0/(2) 6.5	45SS	100	100	J4PB-B1000G	79
TCII-12	3	(1) 13.0/(2) 7.0	45SS	100	100	J4PB-B1000G	79
TCII-13	3	(1) 13.0/(2) 7.0	45SS	100	100	J4PB-B1000G	79
TCII-14	—	—	—	—	—	—	—
TCII-15	—	—	—	—	—	—	—
TCII-16	—	—	—	—	—	—	—
TCII-17	—	—	—	—	—	—	—
TCII-18	—	—	—	—	—	—	—

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

702CRD 801 CRD



1050FFD 1150FFD



BURNER MODEL	DIMENSIONS, INCHES													
	A	B	C	D1	D2	E	F	G1	G2	L	T1	T2	W	X
702CRD	7-1/2	9-1/2	10	4-1/8	5-7/8	13	9	8-1/2	11	10-3/4 to 14-3/4	1-1/2	2-3/8	19-1/2	2-1/2
801CRD	8	12	11	5-1/4	5-7/8	14-1/2	10-1/2	8-1/2	11	10 to 15	1-1/2	2-1/2	23	3

BURNER MODEL	DIMENSIONS, INCHES									
	A	B	BC	C	D1	D2	D3	D4	L	
1050FFD	1-5/8	4 to 5	10	11-1/2 to 7-1/2	5-1/4	8-5/8	9	9	31-1/4	
1150FFD	1-5/8	4 to 5	10	11-1/2 to 7-1/2	5-1/4	8-5/8	9	9	31-1/4	

PB HEAT, LLC

131 S. CHURCH STREET • BALLY, PA 19503